

GUI Graphical User Interface

Use this manual in combination with the operating guide displayed on the GUI screen.

GUI Menu Operation (☞ page 23) GUI Menu Map (☞ page 24)

AV SURROUND RECEIVER

AVR-3808CI

Owner's Manual

□ SAFETY PRECAUTIONS



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. **REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



T

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

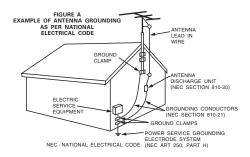
WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- before the product is operated
- 2. Retain Instructions The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
- 4 Follow Instructions - All operating and use instructions should be followed.
- 5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
- 6. Attachments Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7. Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement: or near a swimming pool; and the like.
- 8. Accessories – Do not place this product on an unstable cart, stand, tripod. bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should

follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

- 9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- 10. Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in or the manufacturer's instructions have been adhered to.
- 11. Power Sources This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12. Grounding or Polarization This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



- 1. Read Instructions All the safety and operating instructions should be read 13. Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
 - 15. Outdoor Antenna Grounding If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
 - 16. Lightning For added protection for this product during a lightning storm. or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
 - Power Lines An outside antenna system should not be located in the 17. vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
 - 18. Overloading Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
 - 19 Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
 - 20. Servicing Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
 - installation such as a bookcase or rack unless proper ventilation is provided 21. Damage Requiring Service Unplug this product from the wall outlet and refer servicing to gualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,
 - b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water.
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance this indicates a need for service.
 - 22. Replacement Parts When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
 - 23. Safety Check Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
 - 24. Wall or Ceiling Mounting The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
 - Heat The product should be situated away from heat sources such as 25. radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.





FCC INFORMATION (For US customers)

1. COMPLIANCE INFORMATION

Product Name: AV Surround Receiver Model Number: AVR-3808CI

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

Denon Electronics (USA), LLC (a D & M Holdings Company)

100 Corporate Drive Mahwah, NJ 07430-2041 Tel. (800) 497-8921

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

3. NOTE

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

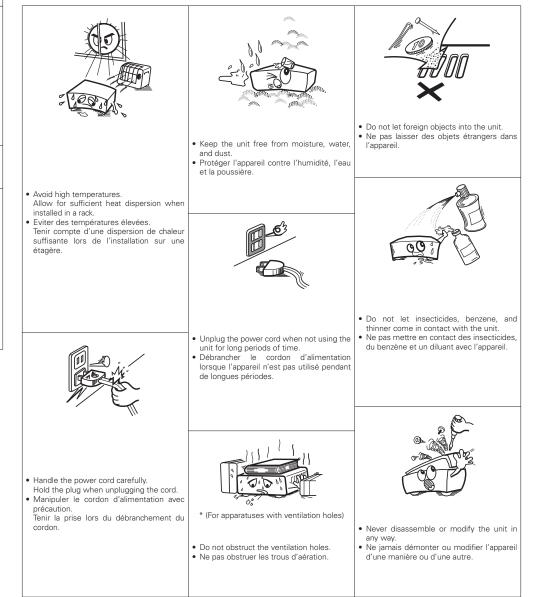
This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

DIAMPOSET ON USE / OBSERVATIONS RELATIVES A L'UTILISATION



Contents

n
Getting Started
Accessories 2
Cautions on Handling 3
Cautions on Installation 3
About the Remote Control Unit
Inserting the Batteries3
Operating Range of the Remote Control Unit3
Part Names and Functions4
Front Panel······4
Display4
Rear Panel5
Remote Control Unit

Connections
Preparations 7
Cables Used for Connections7
Video Conversion Function8
Speaker Connections 9
Speaker Installation9
Speaker Connections9
Connecting Equipment with HDMI connectors
Connecting the Monitor 12
Connecting the Playback Components 12
DVD Player
Record Player 13
CD Player
iPod®13
TV/CABLE Tuner
Satellite Receiver 14
Connecting the Recording Components
Digital Video Recorder
Video Cassette Recorder
CD Recorder / MD Recorder / Tape Deck 16 Connections to Other Devices 16
Connections to Other Devices 16 Components Equipped with a DENON LINK connector 16
Video Camera / Game Console
Component with Multi-channel Output connectors
External Power Amplifier
USB Port
XM Connector 18
Antenna terminals
Network Audio 20
Multi Zone
External Controller
Connecting the Power Cord 22
Once Connections are Completed
•

GUI Menu OperationsExample of the Display of the GUI Mark at a Title23Example of Display of Default Values23Examples of GUI Screen Displays23Example: Browse Menu (Top Menu)23Example: Menus with Illustrations (Auto Setup)23Cursor Position Display23Operations23GUI Menu Map24

Auto Setup	
Preparations 2	5
Auto Setup	6
1 Auto Setup20	6
Error Messages······2	7
2 Option2	7
3 Parameter Check2	7

Manual Setup

manual octup	
Speaker Setup	8
1 Speaker Configuration 2	8
2 Subwoofer Mode	8
3 Distance2	8
4 Channel Level2	9
5 Crossover Frequency 2	9
6 Surround Speaker	9
HDMI Setup	
1 i/p Scaler3	
2 Resolution	
3 Progressive Mode······3	0
4 Aspect	
5 Color Space	0
6 RGB Range ······3	0
7 Auto Lip Sync	0
8 Audio3	0
Audio Setup3	0
1 EXT. IN Setup3	0
2 2ch Direct/Stereo	
3 Downmix Option3	1
4 Auto Surround Mode3	1
5 Manual EQ3	
Network Setup	
1 Network Setup	
2 Other3	~
3 Network Information	
Zone Setup 3	
1 ZONE23	
2 ZONE33	
Option Setup 3	
1 Amp Assign3	
2 Volume Control3	5

3	Source Delete	5
4	GUI3!	5
5	Quick Select Name	5
	Trigger Out 1	
7	Trigger Out 2	6
8	Remote ID	6
9	2Way Remote	6
10	Dimmer36	6
11	Setup Lock	6
12	Maintenance Mode	6
13	Firmware Update	6
14	Add New Feature	7
ang	guage	7

Source Select
Input Source Selection 37
Settings Related to Playing Input Sources
1 Play
2 Auto Preset
3 Preset Skip······38
4 Preset Name
5 Input Mode38
6 Rename
7 Other
8 Playback Mode (iPod)
9 Assign40
10 Playback Mode40
11 Antenna Aiming41

Surround Modes Standard Playback 41 Surround Playback of 2-channel Sources 41 Playing Multi-channel Sources (Dolby Digital, DTS, etc.) 41 DSP Simulation Playback 42 Stereo Playback 42 Direct Playback 42 Playback in the Pure Direct Mode 42

Parameter
Audio42
1 Surround Parameters42
2 Tone44
3 Room EQ44
4 RESTORER
5 Night Mode45
6 Audio Delay45
Picture Adjust 45
1 Contrast45
2 Brightness 45
3 Chroma Level45
4 Hue45

Information
Status
1 MAIN ZONE45
2 ZONE2/3
Audio Input Signal 46
HDMI Information 46
1 Signal Information46
2 Monitor46
Auto Surround 46
Quick Select
Preset Station 46

Playback

Preparations	
Turning the Power On	
Operations During Playback	.47
Playing Video and Audio Equipment	.47
Basic Operation	·47
Listening to FM/AM Broadcasts	.48
Basic Operation	
Presetting Radio Stations (Preset Memory)	.48
Listening to Preset Stations	.48
Listening to XM Satellite Radio Programs	.49
Basic Operation	.49
Checking the XM Signal Strength and Radio ID	· 50
Searching Categories	
Accessing XM Radio Channels Directly	
iPod [®] Playback	
Basic Operation	
Listening to Music	
Viewing Still Pictures or Videos on the iPod	·52
Playing Network Audio or USB Memory Devices	
Basic Operation	
Listening to Internet Radio	
Presetting Internet Radio Stations	
Registering Internet Radio Stations as Your Favorites	.54
Playing Files Stored on a Computer	
Playing Files Stored on USB Memory Devices	· 55
Operating the AVR-3808CI Using a Browser (Web control)	.56

Other Operations and Functions
Other Operations 57
Playing Super Audio CDs57
Recording on an External Device (REC OUT mode)57
Convenient Functions58
Channel Level58
Fader Function58
Quick Select Function58
Personal Memory Plus Function58
Last Function Memory58
Backup Memory58
Resetting the Microprocessor58

Remote Control Unit Operations	
Main Remote Control Unit	
Operating DENON Audio Components	
Presetting	
Operating Preset Components	
Setting the Remote ID	
Learning Function	
System Call Function	
Punch Through Function	63
Setting the Time the Backlight Stays Lit	63
Adjusting the Backlight's Brightness	64
Resetting the Main Remote Control Unit	64
Sub Remote Control Unit Operations	65
Switching Zones	67
Setting the Zone for Which the Sub Remote Control Unit is	Used
(ZONE SELECT LOCK Mode)	67
Setting the Remote ID	67
Resetting the Settings	

Amp Assign / Multi Zone Connections and Operations
Multi-Zone Settings with the Amp Assign Function
Multi-Zone Settings and Operations with Zone Pre-out Output $\cdots 70$
Multi-Zone Operations 71
Turning the Power On and Off71
Selecting the Input Source71
Adjusting the Volume71
Turning off the Sound Temporarily71

Other Information 72
Troubleshooting 82
Specifications 86

List of preset codes End of this manual

Getting Started

Thank you for purchasing this DENON product. To ensure proper operation, please read this owner's manual carefully before using the product.

After reading them, be sure to keep them for future reference.

Accessories

Check that the following parts are supplied with the product.

(1) Owner's manual 1 (2) Warranty (for North America model only) 1 (3) Service station list 1 (4) Power cord (Cord length: Approx. 5 ft /1.5 m) 1 (5) Main remote control (RC-1068) 1 (6) LR6/AA batteries (for RC-1068) 2 (7) Sub remote control (RC-1070) 1 (8) R03/AAA batteries (for RC-1070) 2 (9) FM indoor antenna 1 (10) AM loop antenna 1 (11) Setup microphone (Cord length: Approx. 25 ft / 7.6 m) 1

Cautions on Handling

• Before turning the power switch on

Check once again that all connections are correct and that there are no problems with the connection cables.

 Power is supplied to some of the circuitry even when the unit is set to the standby mode. When traveling or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.

• About condensation

If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly.

If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.

• Cautions on using mobile phones

Using a mobile phone near this unit may result in noise. If so, move the mobile phone away from this unit when it is in use.

Moving the unit

Turn off the power and unplug the power cord from the power outlet.

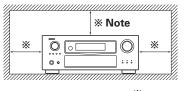
Next, disconnect the connection cables to other system units before moving the unit.

 Note that the illustrations in these instructions may differ from the actual unit for explanation purposes.

Cautions on Installation

Note:

For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.



Wall

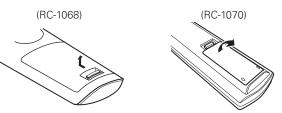
About the Remote Control Unit

In addition to the AVR-3808CI, the included main remote control unit (RC-1068) can also be used to operate the equipment listed below. ① DENON system components

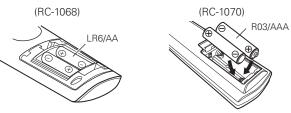
- Non-DENON system components
 - By setting the preset memory (12 page 59 ~ 61)
 - By using the learn function (2 page 62)

Inserting the Batteries

① Lift the clasp and remove the rear lid.



② Load the two batteries properly as indicated by the marks in the battery compartment.



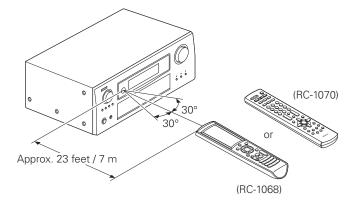
3 Put the rear cover back on.

NOTE

- Replace the batteries with new ones if the set does not operate even when the remote control unit is operated close to the unit.
- The supplied batteries are only for verifying operation.
- When inserting the batteries, be sure to do so in the proper direction, following the " Θ " and " Θ " marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
- Do not use a new battery together with an old one.
- Do not use two different types of batteries.
- Do not attempt to charge dry batteries.
- Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- Remove the batteries from the remote control unit if it will not be in use for long periods.
- When replacing the batteries, have the new batteries ready and insert them as quickly as possible.

Operating Range of the Remote Control Unit

Point the remote control unit at the remote sensor when operating it.



NOTE

The set may function improperly or the remote control unit may not operate if the remote control sensor is exposed to direct sunlight, strong artificial light from an inverter type fluorescent lamp or infrared light.

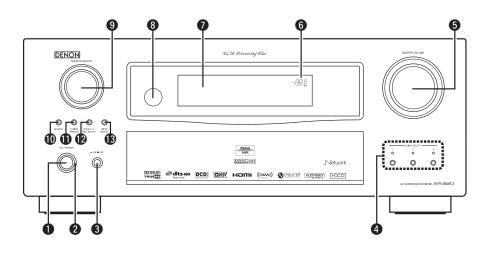
Getting Started

Connections

Part Names and Functions

For buttons not explained here, see the page indicated in parentheses ().

Front Panel



[With the door open]

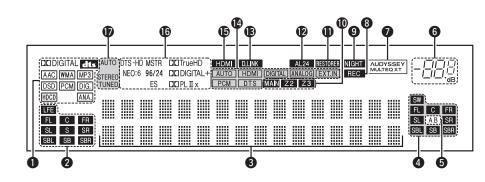
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Power operation button (ON/STANDBY) (47)
2 Power indicator (47
3 Power switch (ONOFF)
4 QUICK SELECT buttons / indicators (58
MASTER VOLUME control knob (47
6 Master volume indicator
🕖 Display

8 Remote control sensor (3)
SOURCE SELECT knob (37)
(37)
1 TUNING PRESET button
1 ZONE2/3 / REC SELECT button
B VIDEO SELECT button
Headphones jack (PHONES)
ZONE2 ON/OFF button
CONE3 ON/OFF button (71)
INPUT MODE button (39)
(23) BENU button
(b) Cursor buttons ($\triangle \nabla \triangleleft \triangleright$)(23)
OCH SEL / ENTER button
RETURN button (23)
W.AUX INPUT connectors (17)
SETUP MIC jack
2 ROOM EQ button (44)
Ø DIMMER button (36)

20 USB port (18)	DIRECT/STEREO button (42)
② STATUS button (46)	PURE DIRECT button (42)
3 AUDIO DELAY button	DSP SIMULATION button
BESTORER button (44)	STANDARD button

Display



1 Input signal indicators

2 Input signal channel indicators

These light when digital signals are input.

Information display

The input source name, surround mode, setting values and other information are displayed here.

4 Output signal channel indicators

5 Surround speaker indicators

These light according to the settings of the surround A and B speakers.

6 Master volume indicator

AUDYSSEY MULTEQ XT indicator This lights when the room equalizer is selected.

8 Recording output source indicator This lights when the REC OUT mode is selected.

9 NIGHT indicator This lights when the night mode is selected.

(b) Multi zone indicators These light when the power for the respective zone is turned on.

RESTORER indicator This lights when the RESTORER mode is selected.

AL24 indicator

This lights when AL24 Processing Plus is activated (27 page 74).

B D.LINK indicator

This lights when playing using DENON LINK connections.

Input mode indicators

HDMI indicator

This lights when playing using HDMI connections.

Decoder indicators

These light when the respective decoders are operating.

Tuner reception mode indicators

These light according to the reception conditions when the input source is set to "TUNER".

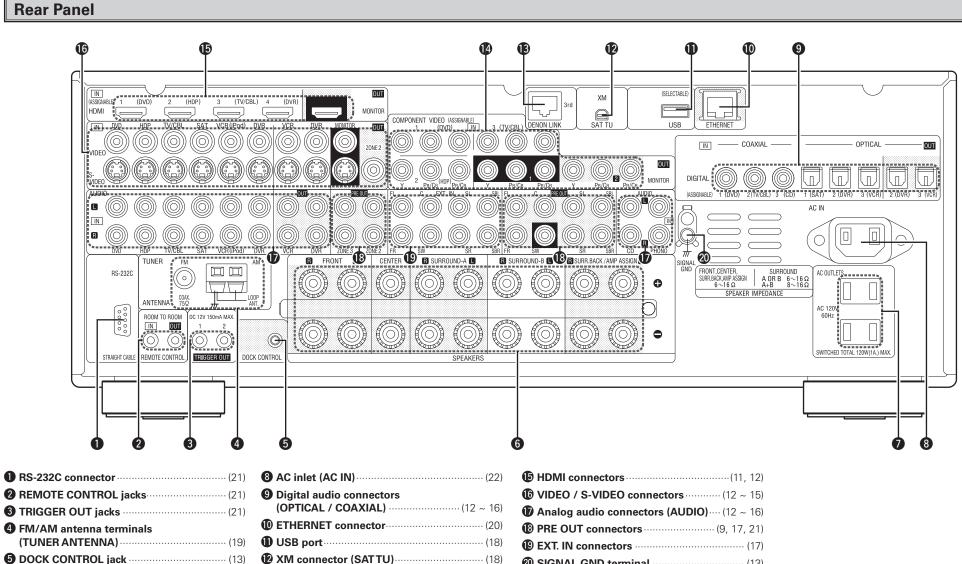
- AUTO
- These light when in the auto tuning mode.
- STEREO In the FM mode, these light when receiving

analog stereo broadcasts. • TUNED

Lights when the broadcast is properly tuned in.

Getting Started

Connections



1) 1)	Digital audio connectors (OPTICAL / COAXIAL)(12 ~ 16)
.,	(2 0) ETHERNET connector
9)	(18) USB port
3)	W XM connector (SATTU)(18)
9)	B DENON LINK connector
2)	COMPONENT VIDEO connectors (12, 14)

	VIDLO	

	12/
UIDEO / S-VIDEO connectors	15)
Analog audio connectors (AUDIO) ···· (12 ~	16)
(9, 17, (9, 17, 	21)
EXT. IN connectors	(17)
SIGNAL GND terminal	(13)

Getting Started

Connections

Setup

Playback

Remote Control

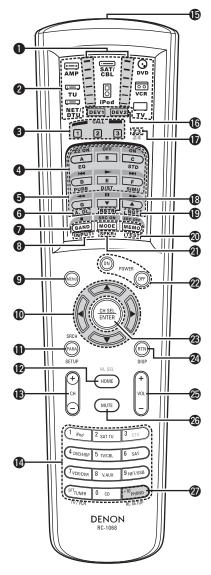
Multi-Zone

Information

Troubleshooting

Remote Control Unit

□ Main remote control unit (RC-1068)

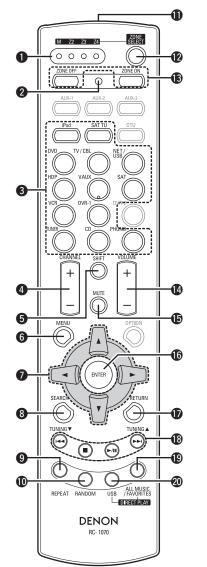


Signal transmission indicator(59)
2 Mode select buttons(59)
3 Quick select / System call buttons ····· (58, 63)
4 Surround mode buttons
5 System buttons
6 Audio delay button (A. DL)(45)
7 Tuner system buttons
(39) Input mode button (INPUT)
9 MENU button (23)
① Cursor buttons (△▽< ▷)(23)
Parameter / Search button
(PARA / SRCH) (42, 50, 52)
(59) (59)
B Channel buttons (CH) (48)
Input source select / Number buttons ·· (37, 48)
Bremote control signal transmitter (3)
Device select indicators (DEV1 / DEV2) ··· (59)
ZONE3 select indicators (Z3) (71)
BRESTORER button (RSTR)
Wight button (NGT)
Test tone button (TEST)
Surround speaker select button (SPKR) ··· (29)
2 POWER buttons
Channel select (CH SEL) / ENTER button
Return button (RTN)
B Master volume control buttons (VOL) (47)
Muting button (MUTE) (47, 71)
 Main remote control unit setup button (RC SETUP)

The time for which the backlight stays on can be changed (12) page 63 "Setting the Time the Backlight Stays Lit").

- The M. SEL, DTU buttons cannot be used.
- The ZONE2 mode QUICK SELECT (1 ~ 3), A.DL, RSTR, NGT, INPUT, SPKR, TEST and surround mode buttons cannot be used.
- The ZONE4 mode cannot be used.

□ Sub remote control unit (RC-1070)



20NE indicators (67)
2 Advanced setup button (67)
3 Input source select buttons
4 CHANNEL buttons (65, 66)
5 SHIFT button
6 MENU button (23)
⑦ Cursor buttons (△▽< ▷)
3 SEARCH button
REPEAT button (52)
(52) BANDOM button
Remote control signal transmitter (3)
20NE SELECT button (67)
E Zone power on/off buttons (ZONE ON / ZONE OFF)
Master volume control buttons
(VOLUME)
(b) Muting button (MUTE)(65, 66)
() ENTER button (23)
(23) RETURN button
Bystem buttons
ALL MUSIC/FAVORITES (DIRECT PLAY) button
20 USB (DIRECT PLAY) button
NOTE
The AUX-1, AUX-2, AUX-3, DTU, DVR-2 and OPTION

Ine AUX-I, AUX-JIU. DVK-Z and UR buttons cannot be used.

Multi-Zone

Information

Troubleshooting

Connections

Connections for all compatible audio and video signal formats are described in these operating instructions. Please select the types of connections suited for the equipment you are connecting. With some types of connections, certain settings must be made on the AVR-3808CI. For details, refer to the instructions for the respective connection items below.

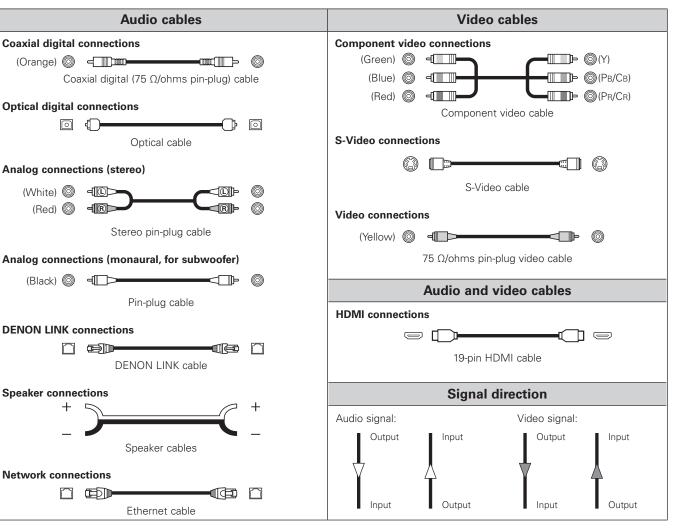
NOTE

- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the operating instructions of the other components.
- Be sure to connect the left and right channels properly (left with left, right with right).
- Do not bundle power cords together with connection cables. Doing so can result in humming or noise.

Preparations

Cables Used for Connections

Select the cables according to the equipment being connected.



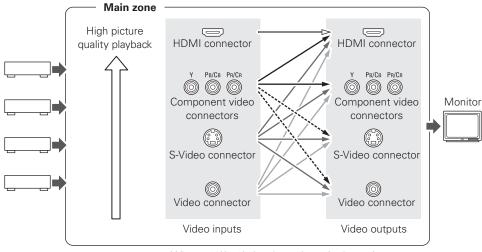
Video Conversion Function

- This function automatically converts various formats of video signals input to the AVR-3808Cl into the format used to output the video signals from the AVR-3808Cl to a monitor.
- The AVR-3808CI's video input/output circuitry is compatible with the following four types of video signals:

Digital video signals: HDMI

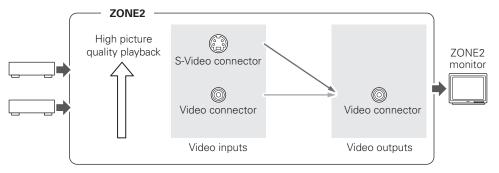
Analog video signals: Component video, S-Video and Video

[Flow of video signals inside the AVR-3808CI]



----: When 480i/576i signals are input in the main zone

[Flow of video signals for ZONE2]



- When not using this function, connect a monitor output with the same type of connector as the video input connector.
- The resolution of the HDMI input-compatible monitor connected to the AVR-3808CI can be checked at GUI menu "Information" "HDMI Information" "Monitor" (@ page 46).

NOTE

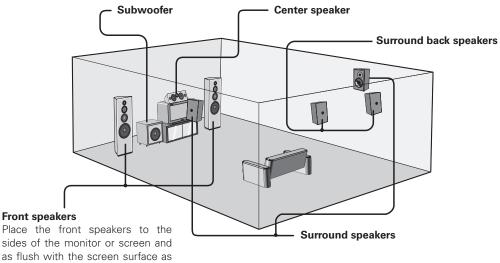
- HDMI signals cannot be converted into analog signals.
- 1080p component input video signals cannot be output to anything other than component video connectors.
- 480p/576p, 1080i and 720p component video input signals cannot be converted into S-Video or Video format.
- When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate.

Getting Started

Speaker Connections

Speaker Installation

The illustration below shows a basic example of installation of the amplifier combined with 8 speakers and a monitor.



Front speakers

sides of the monitor or screen and as flush with the screen surface as possible.

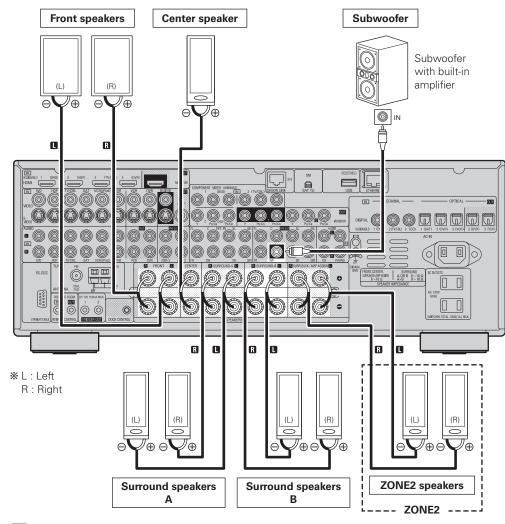
Troubleshooting

The table below shows a typical speaker configuration for the AVR-3808CI.

	Fro	ont		Surround A		Surround B		Surround back			
	L F		Center	L	R	L	R	L	R	1 only	Subwoofer
7.1-channels (Surround A+B)	0	0	0	0	0	0	0	\bigcirc	0	_	0
7.1-channels	0	0	0	0	0	_	-	\bigcirc	0	-	0
6.1-channels	0	0	0	0	0	_	-	_	-	0	0
5.1-channels	0	0	0	0	0	_	-	_	-	-	0
3.1-channels	0	0	0	-	-	_	-	-	-	-	0
2.1-channels	0	0	-	-	-	-	-	-	-	-	0
2-channels	0	0	-	-	-	_	-	_	-	_	-

Speaker Connections

Example: 5.1-channels (Surround A+B) and ZONE2 use



When using just one surround back speaker, connect it to the left channel (SBL).

NOTE

By default, the AVR-3808Cl's "Amp Assign" setting is set to "ZONE2". To use as the surround back speaker for the main zone, change the "Amp Assign" setting (P page 34, 68 ~ 70).

Connecting the Speaker Cables

Carefully check the left (L) and right (R) channels and + (red) and -(black) polarities on the speakers being connected to the AVR-3808Cl, and be sure to interconnect the channels and polarities correctly.

Peel off about 0.03 ft/10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or terminate it.

Turn the speaker Counterclockwise to loosen it.



3 Insert the speaker cable's core wire to the hilt into the speaker terminal

Turn the speaker terminal clockwise to **t**ighten it.



رے

When using a banana plug

Tighten the speaker terminal firmly before inserting the banana plug.

- Use speakers with an impedance of 6 to 16 Ω /ohms. When using surround A and B speakers simultaneously, use speakers with an impedance of 8 to 16 Ω /ohms.
- Connect the speaker cables in such a way that they do not stick out of the speaker terminals. The protection circuit may be activated if the core wires touch the rear panel or if the + and - sides touch each other (@ "Protection circuit").
- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock.

Protection circuit

If speakers with an impedance lower than specified (for example 4 Ω/ohms speakers) are used for an extended period of time with the volume turned up high, the temperature may rise, activating the protection circuit.

When the protection circuit is activated, the speaker output is shut off and the power indicator flashes red. If this happens, unplug the power cord, then check the speaker cable and input cable connections. If the set is extremely hot, wait for it to cool off and improve ventilation around it. Once this is done, plug the power cord back in and turn the set's power back on.

If the protection circuit is activated again even though there are no problems in the ventilation around the set nor in the connections, the set may be damaged. Turn the power off, then contact a DENON service center.

Connecting Equipment with HDMI connectors

With HDMI connections, the video and audio signals can be transferred with a single cable.

- * The AVR-3808CI is equipped for HDMI version 1.3a. This version is compatible with other versions, allowing connection to all components equipped with an HDMI connector.
- * The AVR-3808CI is compatible with 30- and 36-bit Deep Color.

Compatible audio format	Details	Discs (examples)
2-channel linear PCM	2ch 32-192 kHz 16/20/24 bits	CD, DVD-Video, DVD-Audio
Multi-channel linear PCM	8ch 32-192 kHz 16/20/24 bits	DVD-Audio
Dolby Digital, DTS	Bitstream	DVD-Video
DSD	2/5.1ch 2.8224 MHz 1 bit	SACD
Dolby Digital Plus, Dolby TrueHD, DTS-HD	Bitstream	HD DVD, Blu-ray Disc

Copyright protection system (HDCP)

In order to play the digital video and audio signals of a DVD-Video or DVD-Audio disc using HDMI/DVI connections, both the connected DVD player and monitor must be equipped for a copyright protection system called "HDCP" (Highbandwidth Digital Content Protection).

HDCP is a copy protection technology consisting of data encoding and mutual identification of the devices. The AVR-3808Cl is HDCP-compatible. For details on the

DVD player or monitor you are using, refer to its operating instructions.

- By default, the HDMI audio signals are output from the speakers connected to the AVR-3808CI.
- To output the sound from the TV, make the settings at GUI menu "Manual Setup" "HDMI Setup"
- "Audio" "TV" (😰 page 30).

NOTE

• Use a CPPM-compatible DVD player to play DVD-Audio discs that are copyright-protected by CPPM.

- The AVR-3808CI cannot be controlled from another device via the HDMI cable.
- The audio signals output from the HDMI connector (sampling frequency, bit rate, etc.) may be restricted by the connected device.
- Video signals are not output properly when using devices that are not HDCP-compatible.
- Video signals are not output if the input video signals do not match the monitor's resolution. In this case, switch the DVD player's resolution to a resolution with which the monitor is compatible.
- If the GUI menu "Manual Setup" "HDMI Setup" "Audio" setting (12) page 30) is set to "Amp", the sound may be interrupted when the monitor's power is turned off.
- Use a cable on which the HDMI logo is indicated (a certified HDMI product) for connection to the HDMI connector. Normal playback may not be possible when using a cable other than one on which the HDMI logo is indicated (a non-HDMI-certified product).
- If the monitor or DVD player does not support deep color, deep color signal transfer is not possible.
- If the monitor or DVD player does not support xvYCC, xvYCC signal transfer is not possible.
- If the monitor does not support "Auto Lipsync Correction" function, this function will not work.
- When the AVR-3808CI and DVD player are connected using an HDMI cable, also connect the AVR-3808CI and monitor using an HDMI cable.
- If the connected monitor or DVD player only has a DVI-D connector, use an HDMI/DVI converter cable. When using a DVI cable, no audio signals are transmitted.
- Use a Deep Color compatible cable for connection to Deep Color compatible devices.

When connecting with an HDMI/DVI converter cable (adapter)

• HDMI video signals are theoretically compatible with the DVI format.

When connecting to a monitor, etc., equipped with a DVI-D connector, connection is possible using an HDMI/DVI converter cable, but depending on the combination of components in some cases the video signals will not be output.

• When connecting using an HDMI/DVI converter adapter, the video signals may not be output properly due to poor connections with the connected cable, etc.

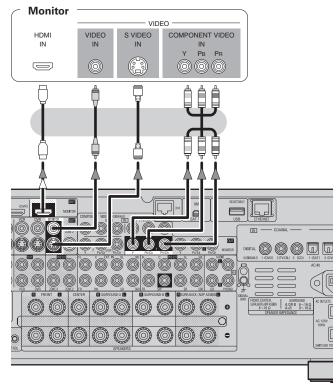
Getting Started

Connections

Setup

Connecting the Monitor

- Connect the cables to be used (1) page 8 "Video Conversion Function").
- With HDMI connections, the video and audio signals can be transferred with a single cable.
- To output the audio signals to the monitor with HDMI connections, set GUI menu "Manual Setup" "HDMI Setup" "Audio" to "TV" (127) page 30).



NOTE

- The component video connectors may be indicated differently on your monitor. For details, see the monitor's operating instructions.
- The audio signals output from the HDMI connectors are only the HDMI input signals.

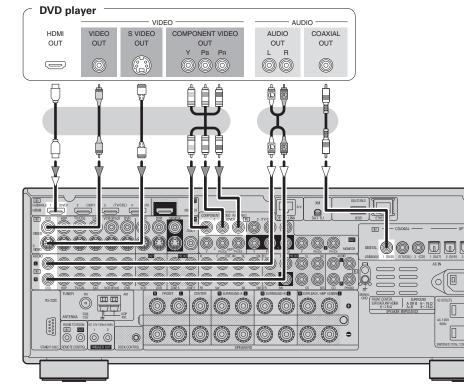
Connecting the Playback Components

Carefully check the left (L) and right (R) channels and the inputs and outputs, and be sure to interconnect correctly.

DVD Player

<u>_</u>

- Connect the cables to be used.
- With HDMI connections, the video and audio signals can be transferred with a single cable.



• Connect an HDP (High-Definition Player) in the same way.

• When using an optical cable for the digital audio connection, make the settings at GUI menu "Source Select" – "DVD" – "Assign" – "Digital" (1277 page 40).

Record Player

Getting Started

Connections

Setup

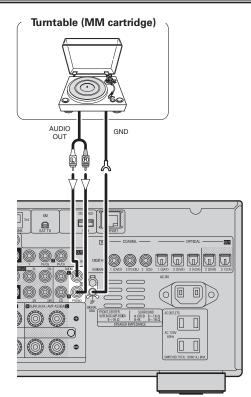
Playback

Remote Control

Multi-Zone

Information

Troubleshooting



6

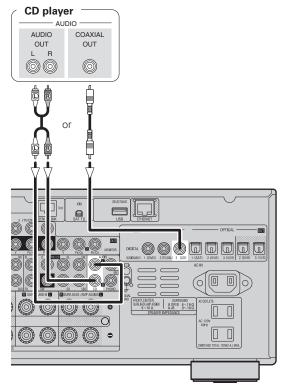
- When connecting a record player with an MC cartridge, use a commercially available MC head amplifier or a step-up transformer.
- Induction humming (a booming sound) may be produced from the speakers if the volume is raised with no record player connected.
- With some record players, noise may be generated when the ground wire is connected. If so, disconnect the ground wire.

NOTE

The AVR-3808CI's SIGNAL GND terminal is meant to reduce noise when a record player is connected. This is not a safety ground terminal.

CD Player

Connect the cables to be used.

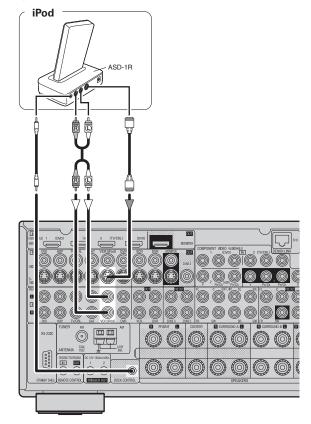


When using an optical cable for the digital audio connection, make the settings at GUI menu "Source Select" - "CD" - "Assign" - "Digital" (CP page 40).

iPod®

Use a DENON Control Dock for iPod (ASD-1R, sold separately) to connect the iPod to the AVR-3808CI. For instructions on the Control Dock for iPod settings, refer to the Control Dock for iPod's operating instructions.

Example :



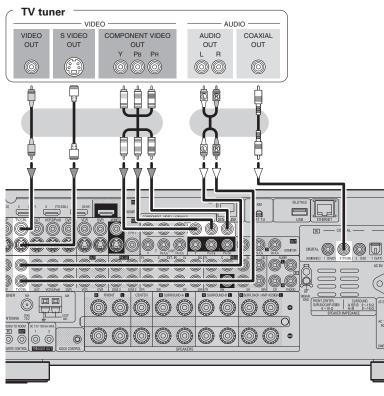
• With the default settings, the iPod can be used connected to the VCR (iPod) connector.

• To assign the iPod to a connector other than VCR (iPod), make the settings at GUI menu "Source Select" - "(input source to which iPod dock assigned)" - "Assign" - "iPod dock" (P page 40).

13

TV/CABLE Tuner

Connect the cables to be used.

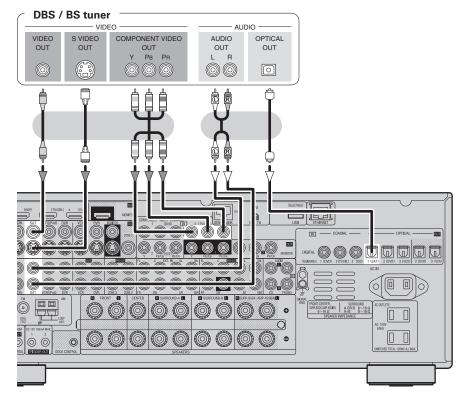


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When using an optical cable for the digital audio connection, make the settings at GUI menu "Source Select" - "TV/CBL" - "Assign" - "Digital" (127) page 40).

Satellite Receiver

Connect the cables to be used.



- When using a coaxial digital cable for the digital audio connection, make the settings at GUI menu "Source Select" "SAT" "Assign" "Digital" (127) page 40).
- When using a component video cable for the video connection, make the settings at GUI menu "Source Select" "SAT" "Assign" "Component" (127) page 40).

Getting Started

Connections

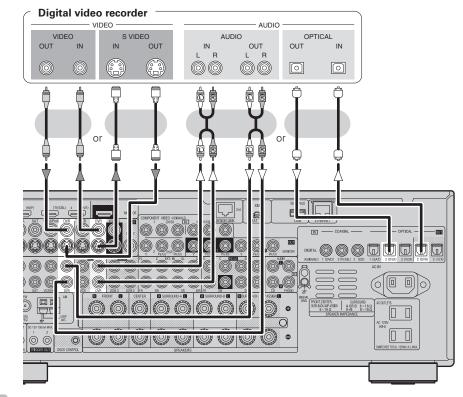
Setup Playback

Connecting the Recording Components

Carefully check the left (L) and right (R) channels and the inputs and outputs, and be sure to interconnect correctly.

Digital Video Recorder

Connect the cables to be used.



- Make analog connections if you wish to record analog audio signals.
- When recording to a digital video recorder, it is necessary that the type of cable used with the playback source equipment be the same type that is connected to the AVR-3808CI DVR OUT connector.

Example: TV IN \rightarrow S-Video cable : DVR OUT \rightarrow S-Video cable

TV IN \rightarrow Video cable : DVR OUT \rightarrow Video cable

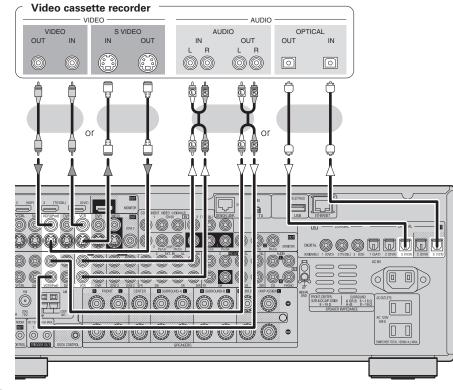
• When using a component video cable for the video connection, make the settings at GUI menu "Source Select" – "DVR" – "Assign" – "Component" (P page 40).

NOTE

Do not connect the output of the component connected to the AVR-3808CI's OPTICAL2 output connector to any input connector other than OPTICAL2.

Video Cassette Recorder

Connect the cables to be used.



• When recording to a VCR, it is necessary that the type of cable used with the playback source equipment be the same type that is connected to the AVR-3808CI VCR OUT connector.

Example: TV IN \rightarrow S-Video cable : VCR OUT \rightarrow S-Video cable TV IN \rightarrow Video cable : VCR OUT \rightarrow Video cable

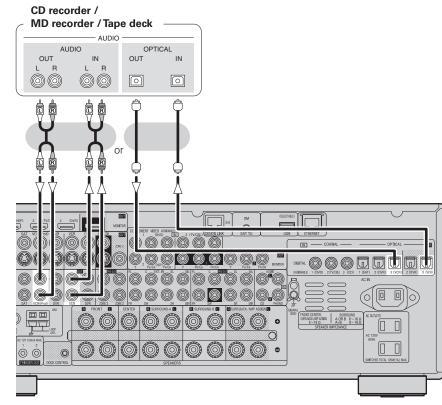
• When using a component video cable for the video connection, make the settings at GUI menu "Source Select" – "VCR" – "Assign" – "Component" (12) page 40).

NOTE

Do not connect the output of the component connected to the AVR-3808CI's OPTICAL3 output connector to any input connector other than OPTICAL3.

CD Recorder / MD Recorder / Tape Deck

Make analog connections if you wish to record analog audio signals, or digital connections if you wish to record digital audio signals, depending on the types of connectors on the components being used.



NOTE

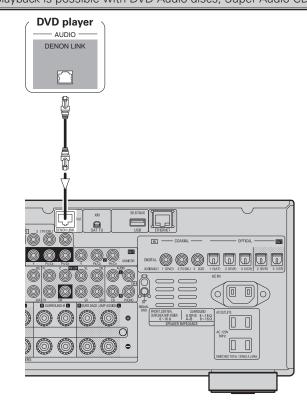
Do not connect the output of the component connected to the AVR-3808CI's OPTICAL3 output connector to any input connector other than OPTICAL3.

Connections to Other Devices

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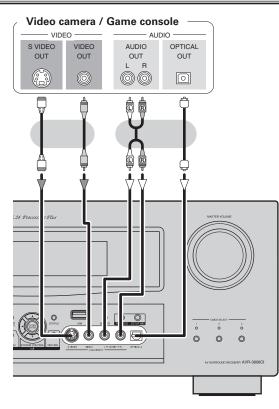
Carefully check the left (L) and right (R) channels and the inputs and outputs, and be sure to interconnect correctly.

Components Equipped with a DENON LINK connector Multi-channel playback is possible with DVD-Audio discs, Super Audio CD, etc.

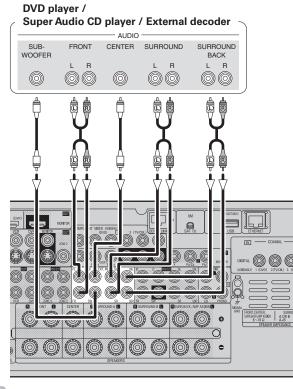


To use with DENON LINK connections, make the settings at GUI menu "Source Select" – "Assign" – "Digital" – "DENON LINK" (27 page 40).

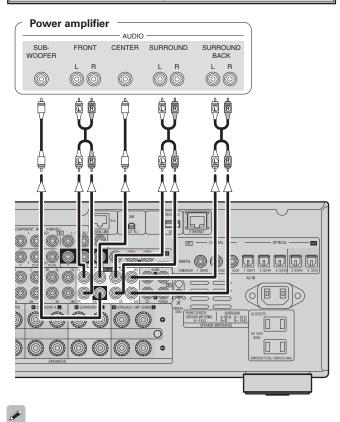
Video Camera / Game Console



Component with Multi-channel Output connectors



External Power Amplifier



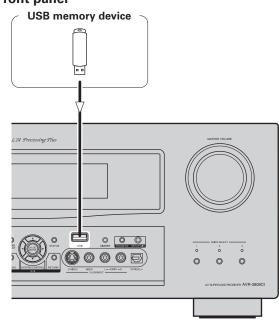
- To play the analog input signals input to the EXT. IN connectors, press the **INPUT MODE** button on the main unit or **INPUT** button on the main remote control unit and select "EXT. IN" or make the settings at GUI menu "Source Select" "(input source)" "Input Mode" "Input Mode" "EXT. IN" (12) page 38).
- The video signal can be connected in the same way as a DVD player (127 page 12).
- To play copyright-protected discs, connect the AVR-3808CI's EXT. IN connector with the DVD player's analog multi-channel output connector.

When using just one surround back speaker, connect it to the left channel (SBL).

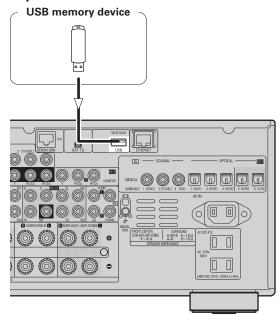
Getting Started

USB Port

Front panel



Rear panel



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- In the initial status, USB memory devices can be used by connecting them to the USB port on the front panel.
- To change the port to be used, see "USB Select" on page 40.
- For instructions on playing the files on a USB memory device, see page 55.

NOTE

- Set to the USB port you want to use.
- The AVR-3808CI is equipped with two USB ports, one each on the front and rear panels. It is not possible to use the set with USB memory devices connected to both the ports at the same time. Select the USB port you want to use at the "Source Select" "NET/USB" "Playback Mode" "USB Select" menu.
- Do not use the extension cable for connecting the USB memory deveice to the AVR-3808CI's USB port. Use of the extension cable may cause harmful interference.

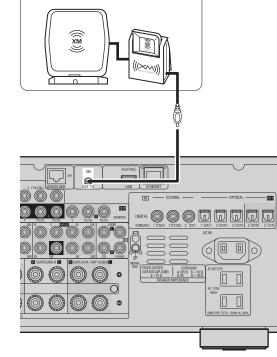
XM Connector

- The AVR-3808CI is an XM Ready[®] receiver. You can receive XM[®] Satellite Radio by connecting to the XM Mini-Tuner and Home Dock (includes home antenna, each sold separately) and subscribing to the XM service.
- Plug the XM Mini-Tuner and Home Dock into the XM connector on the rear panel.
- Position the Home Dock antenna near a south-facing window to receive the best signal.

For details, see "Listening to XM Satellite Radio Programs" (© page 49, 50).

When making connections, also refer to the operating instructions of the XM Mini-Tuner and Home Dock.

XM Mini-Tuner and Home Dock



NOTE

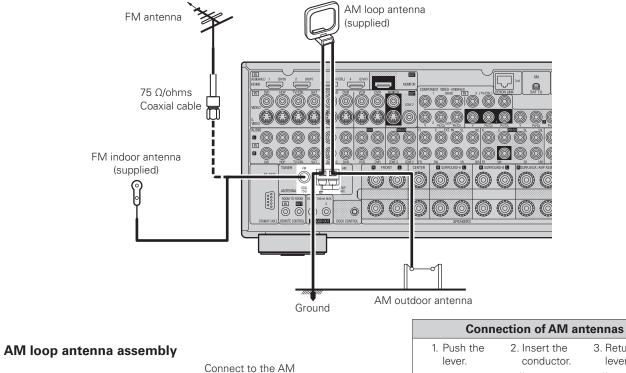
Keep the power cord unplugged until the XM Mini-Tuner and Home Dock connection have been completed.

- The XM name and related logo are registered trademarks of XM Satellite Radio Inc. All rights reserved.
- XM Ready is a registered trademark of XM Satellite Radio Inc. All rights reserved.

Antenna terminals

An F-type FM antenna cable plug can be connected directly.

Direction of broadcasting station



(3)

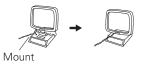
Bend in the reverse direction.



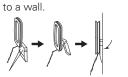


Remove the vinyl tie and take out the connection line.

a. With the antenna on top of (4) any stable surface.



b. With the antenna attached



Installation hole Mount on wall, etc.

3. Return the lever.

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure the AM loop antenna lead terminals do not touch metal parts of the panel.

Note to CATV system installer:

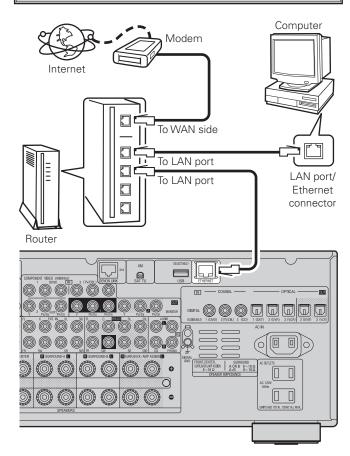
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.



Troubleshooting

Getting Started

Network Audio



Required system

□ Broadband Internet connection

A broadband line connection to the Internet is required in order to use the AVR-3808CI's Internet radio function and firmware update.

Modem

This is a device that is connected to the broadband line to communicate with the Internet. Some are integrated with the router.

Router

When using the AVR-3808Cl, we recommend you use a router equipped with the following functions:

• Built-in DHCP (Dynamic Host Configuration Protocol) server This function automatically assigns IP addresses on the LAN.

• Built-in 100 BASE-TX switch When connecting multiple devices, we recommend a switching hub with a speed of 100 Mbps or greater.

L Ethernet cable (CAT-5 or greater recommended)

- The AVR-3808CI does not come with an Ethernet cable.
- Some flat type Ethernet cables are easily affected by noise. We recommend using a normal type cable.
- If the sound is broken in an environment in which there is much power supply noise from electric products or in a noisy network environment, use a shielded type Ethernet cable.

Computer

A computer with the following specifications is required to use a music server:

• OS

Windows® XP Service Pack2, Windows Vista

- Software (Prepare one of the following.)
- · .NET Framework 1.1 and Windows Media Connect (Windows XP)
- · Windows Media Player ver.11
- · DLNA-compatible server software
- Internet browser
- Microsoft Internet Explorer 5.01 or later
- LAN port
- 300 MB or more free disk space

% Free disk space is required to store music files. The following sizes are approximate.

Format	Bit rate	Per minute	Per hour
	128 kbps	Approx. 1 MB	Approx. 60 MB
MP3 / WMA	192 kbps	Approx. 1.5 MB	Approx. 90 MB
MPEG-4 AAC	256 kbps	Approx. 2 MB	Approx. 120 MB
	392 kbps	Approx. 3 MB	Approx. 180 MB
WAV (LPCM)	1400 kbps	Approx. 10 MB	Approx. 600 MB
FLAC	1080 kbps	Approx. 7.7 MB	Approx. 464 MB

For connections to the Internet, contact an ISP (Internet Service Provider) or a computer shop.

NOTE

- A contract with an ISP is required to connect to the Internet. No additional contract is needed if you already have a broadband connection to the Internet.
- The types of routers that can be used depend on the ISP. Contact an ISP or a computer shop for details.
- Depending on the server, video files may be displayed, but they cannot be played on the AVR-3808CI.

Others

- If you have an Internet provider contract for a line on which network settings are made manually, make the settings at GUI menu "Manual Setup" – "Network Setup" (27) page 32, 33).
- With the AVR-3808CI, it is possible to use the DHCP and Auto IP functions to make the network settings automatically.
- When using a broadband router (DHCP function), the AVR-3808CI sets the IP address, etc., automatically.

When using the AVR-3808Cl connected to a network with no DHCP function, make the settings for the IP address, etc., at GUI menu "Manual Setup" – "Network Setup" (1977) page 32, 33).

- The AVR-3808CI is not compatible with PPPoE. A PPPoE-compatible router is required if you have a contract for a line of the type with which the PPPoE is set.
- Depending on the ISP with which you have your contract, it may be necessary to make proxy server settings to use the Internet radio function. If you made proxy server settings on the computer to connect to the Internet, make the proxy server settings on the AVR-3808Cl in the same way.

Getting Started

Connections

Setup

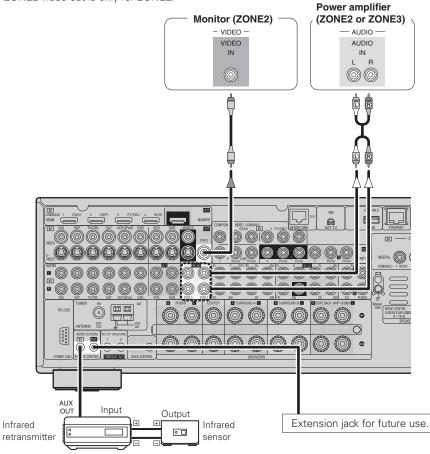
Playback



Multi Zone

ZONE2 or ZONE3 Pre-out Connections

- If another power amplifier or pre-main (integrated) amplifier is connected, the ZONE2 or ZONE3 pre-out (variable or fixed level) connectors can be used to play a different program source in ZONE2 or ZONE3 the same time (12) page 68 ~ 71).
- When using an S-Video cable or a video cable for connection between the AVR-3808CI and an input device, connect to the video connectors.
- The ZONE2 video out is only for ZONE2.



NOTE

- For the audio output, use high quality pin-plug cords so that no induction humming or noise is produced.
- For instructions on installing and operating separately sold devices, refer to the respective devices' operating instructions.
- To conduct multi-zone playback, see "Amp Assign / Multi Zone Connections and Operations" (127 page 68 ~ 71).

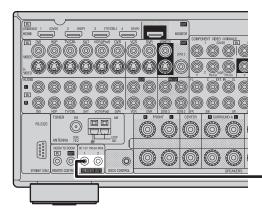
External Controller

RS-232C connector This connector is used for an external controller. ** If you wish to control the AVR-3808Cl from an external controller using the RS-232C connector, perform the operation below beforehand. ① Turn the AVR-3808Cl's power. ② Turn off the AVR-3808Cl's power from the external controller.

- ③ Check that the AVR-3808CI is in the standby mode.
- When using in combination with an RF Remote Controller (RC-7000Cl, sold separately) or RF Remote Receiver (RC-7001RCl, sold separately) two-way communication with an RF Remote Controller is possible.

The AVR-3808Cl's status information as well as iPod and Internet audio music files can be browsed watching the RF Remote Controller's display. For details, refer to the operating instructions of the respective devices.

• When used in combination with an RF Remote Controller or RF Remote Receiver, make the settings at GUI menu "Manual Setup" – "Option Setup" – "2Way Remote" – "Used" (1277 page 36).



Trigger output jacks

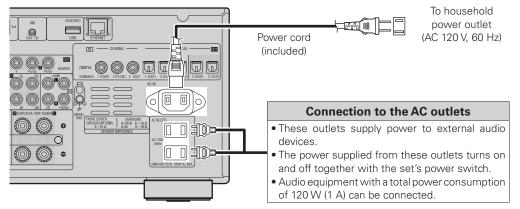
The power of an external device equipped with a trigger input jack can be turned on and off in association with operations on the AVR-3808CI. For details, see GUI menu "Manual Setup" – "Option Setup" – "Trigger Out 1" or "Trigger Out 2" (@ page 36).

- Output level: 150 mA/12 V
- Check the trigger input conditions of the connected device.
- If the trigger input level of the connected device is higher than 150 mA/12 V and depending on the short-circuiting conditions, the AVR-3808Cl's protection circuit may be activated, in which case "TRIGGER PROTECT" appears on the display. If this happens, turn off the AVR-3808Cl's power and disconnect the connected device.

Getting Started

Connecting the Power Cord

Wait until all connections have been completed before connecting the power cord.



NOTE

- Insert the AC plugs securely. Incomplete connections could cause noise.
- Only use the AC outlets to plug in audio devices. Do not use them as power supplies for hairdryers or anything other than audio equipment.

Once Connections are Completed

Turning the Power On (repage 47)

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GUI Menu Operations

With the AVR-3808CI, settings and operations for most functions can be performed by operating while looking at the GUI menus displayed on the monitor screen.

The GUI cannot be superimposed when xvYCC signals and component 1080p signal, computer's resolution (e.g.VGA) are input.

Example of the Display of the GUI Mark at a Title

Items for which this mark is indicated at the title can be operated from the GUI.

We recommend performing such operations from the GUI.

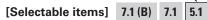
GUI

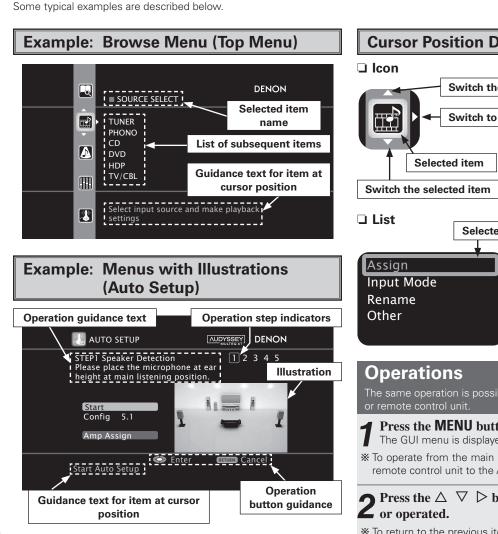


This is the GUI icon for this setting item or for the menu series to which this item belongs.

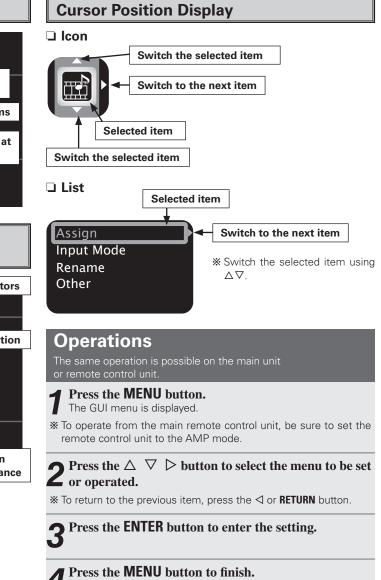
Example of Display of Default Values

In lists of selectable items or adjustable ranges, the item surrounded by a border is the default value.





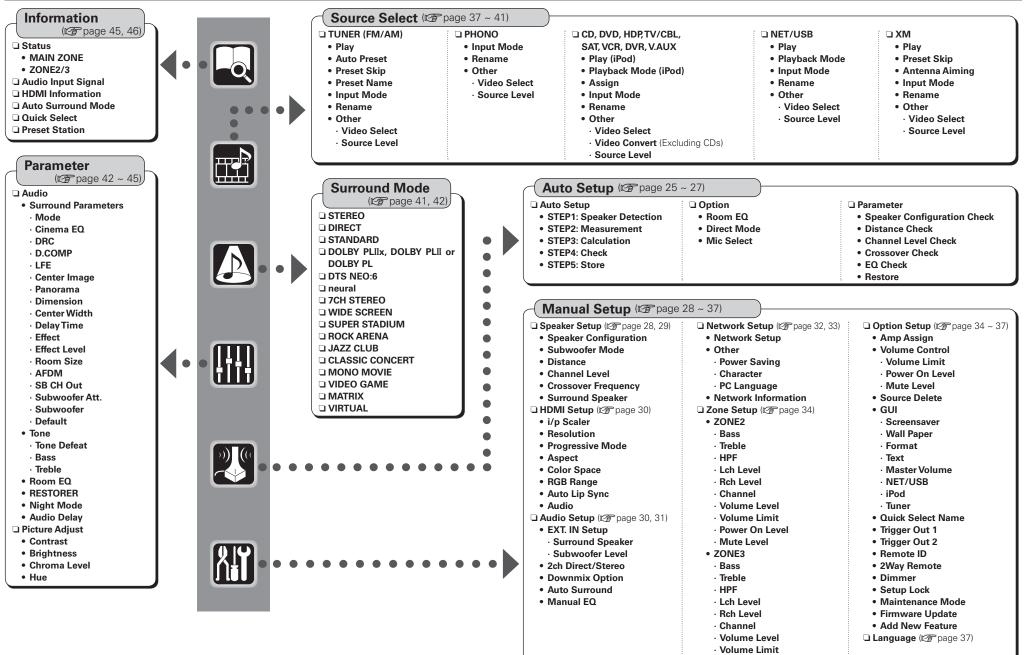
Examples of GUI Screen Displays



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When "Screensaver" is set to "ON", the screensaver is activated if no operation is performed for about 3 minutes.

GUI Menu Map



Power On Level
 Mute Level

Getting Started

Connections

Setup

Playback

Remote Control

Multi-Zone

Information

Troubleshooting



Setup

Playback

Remote Control

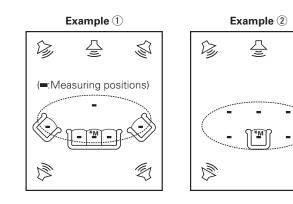
<u></u>

2

- Audyssey MultEQ® XT automatically measures the acoustical problems in the listening environment to create the best audio experience for your home theater.
- It optimizes a large listening area where one or more listeners are seated.

Measurements are performed by placing the calibrated microphone (DM-A405) successively at multiple positions throughout the listening area as shown in **Example** ①. For best results, it is strongly recommended to measure 6 or more positions so that the measurements have the proper spatial weighting.

Even if the listening environment is small as shown in **Example** (2), measuring at multiple points throughout the listening environment results in more effective correction.



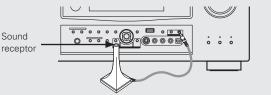
About the main listening position (*M)

The main listening position refers to the most central position where one would normally sit within the listening environment. MultEQ XT uses the measurements from this position to calculate speaker distance, level, polarity, and the optimum crossover value for the subwoofer.

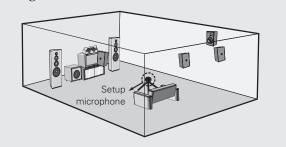
To make manual adjustments to the settings, see pages 28, 29.

Preparations

1 Connect the included calibrated setup microphone to the SETUP MIC jack on the main unit. The auto setup screen appears automatically.



2 Place the microphone at ear height on a tripod or stand with the microphone pointing directly up towards the ceiling.



It is not recommended to hold it in your hand. Be sure that the path from microphone to the speakers is not blocked by objects. Avoid placing the microphone close to a seat back or wall as sound reflections may give inaccurate results.

When using a subwoofer, make the following settings before starting the auto setup procedure:

- Defeat the volume and crossover controls if possible
- If this is not possible then set
- Volume: "12 o'clock" position
- Crossover frequency: "Maximum/Highest Frequency"
- · Low pass filter: "Off"
- Standby mode: "Off"



- Do not disconnect the setup microphone until the auto setup procedure is completed.
- When using headphones, unplug the headphones before starting the auto setup procedure.

Auto Setup

Optimize settings for speakers in use.

Menu tree

Auto Set	up
-1	Auto Setup
2	Option

3 Parameter

1 Auto Setup

The settings are performed automatically.

[Auto setup flow]
STEP1: Speaker Detection
•
STEP2: Measurement (2 to 8 positions)
*
STEP3: Calculation
•
STEP4: Check
•
STEP5: Store

Start

Start Auto Setup.

The Audyssey MultEQ XT Auto Setup process automatically calculates the size, level, distance, bass management crossover frequency, and optimal settings for each speaker and subwoofer. Audyssey MultEQ XT corrects acoustical distortions within the listening area. Before starting, connect and position all your speakers.

Once started, MultEQ XT will play a series of test tones through each speaker.

6

If an error message appears during the measurements, check "Error Messages" ($\Box p$ page 27), take the advised action, then start the measurements again.

Configuration

The speaker system to be measured can be selected ahead of time here

[Selectable items] 7.1 (B) 7.1 5.1

NOTE

"Amp Assign" is initially set to "ZONE2", so "7.1 (B)" and "7.1" cannot be selected. To use "7.1 (B)" or "7.1", change the "Amp Assign" setting Imp page 68 ~ 70).

GUI

Setting the correct speaker configuration can reduce the time required to measure during the auto setup procedure as the system will not have to look for speakers that are not connected.

Amp Assign

Advanced setting : changes power amplifier assignment.

NOTE

The items selectable at "Config." differ according to the "Amp Assign" settings.

STEP1 : Speaker Detection

The speaker connection and polarity are detected at the first measurement position. The following attributes are also determined at this time: "Speaker Size", "Speaker Distance", "Channel Level", "Crossover Frequency".

Once the measurements are completed, the results are displayed.

NOTE

- Loud test tone may be played during Audyssey MultEQ XT Automatic Speaker Setup. This is part of normal operation. If there is background noise in room, these test tones will increase in volume.
- Do not stand between the speakers and setup microphone or allow obstacles in the path while the measurements are being made. This will cause inaccurate readings.
- Quiet the listening environment before beginning measurements and refrain from talking. Turn off air conditioning units or other devices that emit noise if at all possible as measurements may be affected by these sounds.
- Operating the **MASTER VOLUME** knob on the main unit or the **VOL** +/- buttons on the remote control unit during the measurements will cancel the measurements.
- Do not change the speaker connections or subwoofer volume after "STEP1".

STEP2: Measurement

After completing a measurement position, move the microphone to the next position.

6

Measure at least 6 positions (main listening position and at least 5 other surrounding positions). For best results it is recommend measuring **6** or more positions (with a maximum of 8 positions).

STEP3: Calculation

When "Calculate" is selected at "STEP2", the measurements taken are analyzed automatically to determine how the speaker system interacts with the room.

.

The time required for this analysis depends on the number of speakers connected. The higher the number of speakers, the longer the time required for analysis.

STEP4: Check

Once the auto setup procedure is complete, a measuring result check screen appears.

Select any item whose results you want to check to review the results.

Values that are different from the actual distance may be set for speakers with built-in filters (subwoofers, etc.). This is because filters add electrical delay to the signal that should be compensated.

STEP5: Store

The auto setup measurement results are stored in the AVR-3808CI.

NOTE

Do not turn the power off while the settings are being stored.

Information

Troubleshooting

Error Messages

If the auto setup procedure could not be completed due to speaker installation, the measuring environment, etc., an error message is displayed. If this happens, check the relevant items, be sure to take the necessary measures, then perform the auto setup procedure over again.

Error messages (examples)	Cause	Measures
No microphone or speaker	 Included setup microphone is not connected. 	• Connect the included setup microphone to the SETUP MIC jack on the main unit.
	 Not all speakers could be detected. 	 Check the speaker connections.
Ambient noise is too high or Level is too low	 Too much noise in the room for accurate measurements to be made. 	• Either turn off any device generating noise or move it away.
	 Speaker or subwoofer sound is too low for accurate measurements to be made. 	 Try again when the surroundings are quieter. Check the speaker installation and the direction in which the speakers are facing. Adjust the subwoofer's volume.
None	 Displayed speaker could not be detected. The front L and front R speakers were not properly detected. Only one channel of the surround (A) and surround (B) speakers was detected. Sound was output from the R channel when only one surround back speaker was connected. The surround back or the surround (B) speaker was detected, but the surround (A) speaker was not detected. 	
Phase	 Displayed speaker connected with the polarities reversed. 	 Check the polarities of the displayed speaker. For some speakers, this error message may be displayed even if the speaker is properly connected. If you are sure that the wiring is correct, select "Skip".

Select "Retry" to make the measurements again.

NOTE Be sure to turn the power off before checking the speaker connections.

2 Option

Select settings for room EQ, mic, etc.

Room EQ

Select room EQ setting method.



Direct Mode

Select room EQ use for DIRECT or PURE DIRECT mode.

[Selectable items] ON OFF

Mic Select

Select the microphone type if not using supplied mic. The microphone connected to V.AUX Lch is used.

[Selectable items] Mic V.AUX L

Only a professionally certified installer should ever connect a professionally-calibrated microphone to the V.AUX L input on the front panel.

3 Parameter Check

Check auto setup measurement results. This is displayed after the auto setup procedure is completed.

[Items to be checked] Spkr Config Check Distance Check

Ch. Level Check Crossover Check

Ġ

The auto setup results can be reset to what was originally calculated by MultEQ XT when "Restore" is selected.

Getting Started

	Subwoofer Select subwoofer use. [Selectable items] Yes No	2 Subwoofer Mode Getting Started Select low range signal to be reproduced by subwoofer. Started [Selectable items] LFE LFE+Main
Manual Setup	[Selectable items] Yes No Surround A	
Make detail settings for various parameters.	Select surround speakers A use and size.	 This can be set when GUI menu "Speaker Configuration" – "Subwoofer" is set to "Yes". Play music or a movie source and select the mode offering the
Speaker Setup	[Selectable items] Large Small None	
Use this procedure to set the speakers manually or if you wish to change the settings made with the auto setup	Surround B	 strongest bass. Select "LFE+Main" if you want the bass signals to always be produced from the subwoofer.
settings made with the auto setup procedure.	Select surround speakers B use and size. [Selectable items] Large Small None	
Menu tree Manual Setup	Surround Back	Set distance from listening position to speakers.
Speaker Setup	Select surround back speaker use and size.	Before making the settings, measure the distance from the listening position to the different speakers.
Subwoofer Mode	[Selectable items] (Large Small None) (2spkrs 1spkr)	Before making the settings, measure the distance from the listening position to the different speakers. Feet / Meters Select unit for distance
3 Distance 4 Channel Level 5 Crossover Frequency	NOTE By default, the AVR-3808Cl's "Amp Assign" setting is set to "ZONE2". To use as the surround back speaker for the main zone, change the	Select unit for distance.
Surround Speaker	"Amp Assign" setting (page 34, 68 ~ 70).	
1 Speaker Configuration Select speaker configuration and size.	Large : Select this for a large speaker with strong bass reproduction.	*2: Can be selected when "Meters" is set.
(bass reproduction capability)	Small : Select this for a smaller speaker with weaker bass reproduction.	Default Image: Second
Front	Select "Large" or "Small" not according to the physical size of the	Default Total Resets the settings to the default values. Distance measurement Select the speaker you want to set the distance 9
Select front speaker size. [Selectable items] Large Small	speaker but according to the low frequency reproduction capabilities based on the frequency set at "Crossover Frequency" (1) page 29).	Select the speaker you want to set, then set the distance.
Center	 When "Front" is set to "Small", "Subwoofer" is automatically set to "Yes". 	[Variable range] 0.0ft ~ 60.0ft $*1/$ 0.00m ~ 18.00m $*2$
Select center speaker use and size.	 If "Subwoofer" is set to "No", "Front" is automatically set to "Large". 	*1: Display when "Feet" is set.*2: Display when "Meters" is set.
[Selectable items] Large Small None	 If "Surround A" is set to "None", "Surround B" and "Surround Back" are automatically set to "None". When using just one surround back speaker, connect it to the left channel (SBL). 	NOTE Set the distance between the listening position and the various speakers to no more than 20.0 ft (6.00 meters).

4 Channel Level

Adjust channel levels to obtain equal volume from all speakers.

Mode

Getting Started

Connections

Setup

Playback

Select test tone playback method. [Selectable items] Auto Manual
[Selectable items] Auto Manual
Surround
Select surround speaker from which test tone is outpu
[Selectable items] A B A+B
Start

R Operating from the main remote control unit

0dB

~ +12dB

–12dB ~

Adjusting with the main remote control unit using the test tones is only possible in the "Auto" mode and only effective in the STANDARD mode. The adjusted levels for the different modes are automatically stored in the memory.

[Adjusting using test tones]

(1) Press the **TEST** button.

[Variable range]

- Test tones are output from the various speakers.
- (2) Use the $\triangleleft \triangleright$ button to adjust so that the volume is equal for all speakers.
- ③ When the adjustments are completed, press the **TEST** button again.

<u>_</u>

- When the GUI menu "Speaker Configuration" "Surround Back" setting (rappage 28) is set to "1spkr", the surround back speaker display is set to "Surround Back".
- Speakers set to "None" in the "Speaker Configuration" settings are not displayed.
- "Surround" can be set when GUI menu "Speaker Configuration" -"Surround A" or "Surround B" is set to "Large" or "Small" (P page 28).
- When using surround speakers, be sure to adjust the volume of the different speakers.
- When "Channel Level" is adjusted, the adjusted values are set for all the surround modes. To adjust the channel level separately for the different surround modes, use the operation see page 58.

Default

Resets the settings to the default values.

5 Crossover Frequency

Select crossover frequency from which subwoofer handles low range signal.

[Selectable items]



Only the portion of the bass sound of the various speakers output from the subwoofer that has a frequency below the frequency set here is output.

Set this according to the low frequency reproduction capabilities of the speakers you are using.

Advanced

Set the crossover frequency separately for the different speakers.

- The "Crossover Frequency" can be set when there are speakers that have been set to "Small" at GUI menu "Speaker Configuration" or when "Subwoofer" is set to "Yes" (12 page 28).
- If GUI menu "Subwoofer Mode" (Pr page 28) is set to "LFE". speakers set to "Small" at "Speaker Configuration" can be set. If set to "LFE+Main", this can be set regardless of the size of the speaker.
- For speakers set to "Small" sound below the crossover frequency
- is cut from the sound output. The cut bass sound is output from the subwoofer or front speakers.
- Always set the crossover frequency to "80 Hz". When using small speakers, however, we recommend setting the crossover frequency to a higher frequency.

6 Surround Speaker

Select surround speakers to use for each surround mode.

[Selectable items] R





Operating from the main remote control unit Press the SPKR button.



- This can be set when GUI menu "Speaker Configuration" "Surround A" and "Surround B" are used (B) page 28).
- When using the pre-out connectors, select and use either "Surround A" or "Surround B".
- Make the surround speaker settings when the input mode is set to "EXT. IN" at GUI menu "Manual Setup" - "Audio Setup" - "EXT. IN Setup" (🖙 page 30).

About Speaker Type Setting when Using Both Surround speakers A and B

If "Small" is set for either surround speakers A or B, the output is the same as when "Small" is set for both A and B.

Remote Control

HDMI Setup Make settings for HDMI video/audio output.	3 Progressive Mode Select optimum progressive mode for video material.	8 Audio Select HDMI audio output device.	Getting Started
● Menu tree ● Manual Setup	[Selectable items] Auto Video1 Video2	[Selectable items] Amp TV	
HDMI Setup	This can be set when "i/p Scaler" is set to anything other than "OFF".	Audio Setup Make settings for audio playback.	Connections
 2 Resolution 3 Progressive Mode 4 Aspect 	4 Aspect This sets the aspect ratio when outputting 480i/576i or 480p/576p input signals from the HDMI output connector.	● Menu tree ●	Setup
Image: Color Space Image: Color Space	[Selectable items] Full Normal	Manual Setup Audio Setup EXT.IN Setup	Playback
7 Auto Lip Sync 8 Audio	This can be set when "i/p Scaler" is set to anything other than "OFF".	2ch Direct/Stereo Downmix Option	Remote Control
1 i/p Scaler Make settings for i/p scaler function.	5 Color Space Make settings for output color space.	Auto Surround Mode Manual EQ	
[Selectable items] A to H A to H & H to H OFF	[Selectable items] YCbCr RGB	1 EXT. IN Setup Make speaker settings for EXT. IN mode playback.	Multi-Zone
 A to H & H to H setting Deep color (10 bit/12 bit) signals are converted into 8-bit signals. The i/p scaler function does not work if xvYCC or computer's 	When connected to a monitor with a DVI-D connector (HDCP compatible) using an HDMI/DVI converter cable, the signals are output in RGB format, regardless of this setting.	Surround Speaker Select the surround speakers to use.	Information
resolution signals are input.	6 RGB Range Make settings for RGB output range.	[Selectable items] A B A+B	
Make settings for resolution of HDMI video output signal.	[Selectable items] Normal Enhanced	Set the subwoofer level for playback. Select according to the player in use.	Troubleshooting
[Selectable items]Auto480p/576p1080i720p1080pImage: Selectable itemsThis can be set when "i/p Scaler" is set to anything other than "OFF".NOTE	Auto Lip Sync Automatic compensation for timing shift in audio and video output.	[Selectable items] 0dB +5dB +10dB +15dB Image: Comparison of the setting to "+15 dB". We recommend setting to "+15 dB". Here is a setting to "+15 dB".	

It is not possible to convert "1080i" signals into "720p" format.
It is not possible to convert "720p" signals into "1080i" format.

[Selectable items] ON OFF

2 2ch Direct/Stereo

Make speaker settings for 2-channel mode playback.

Setting

To change	the	settings,	select	"Custom".

*: Use the same settings as in "Speaker Setup".

Front

Select front speake	r size.

[Selectable items]

[Selectable items]	Large	Small
--------------------	-------	-------

Basic

Custom

Subwoofer

Select subwoofer use.

Selectable items Yes	[Selectable items]	Yes
------------------------	--------------------	-----

Subwoofer Mode

Select low range	signal to	be reproduced	by	subwoofer
------------------	-----------	---------------	----	-----------

[Selectable items] LFE LFE+Main

Crossover

Select crossover frequency from which subwoofer handles low range signal.

No

[Selectable items]	40Hz	60Hz	80Hz	90Hz	100Hz
	110Hz	120Hz	150Hz	200Hz	250Hz

Distance FL

Set distance from listening position to front left speaker.

[Variable range] 0.0ft ~ 60.0ft

Distance FR

Set distance from listening position to front right speaker.

[Variable range] 0.0ft ~ 60.0ft

3 Downmix Option

Set dynamic range for downmix playback of Dolby Digital sources.

[Selectable items] ON OFF

- Set this to "ON" if the sound from the front speakers seems distorted.
- When not using the center speaker or surround speakers, the playback sound is down-mixed and output from the front speakers.

4 Auto Surround Mode

Make setting for memorizing surround mode setting for each input signal type.

[Selectable items] ON OFF

- The auto surround mode function lets you store in the memory the surround mode last used for playing the four types of input signals listed below.
- ① Analog and PCM 2-channel signals
- ② Dolby Digital and DTS 2-channel signals
- ③ Dolby Digital and DTS multi-channel signals
- Multi-channel signals other than Dolby Digital and DTS (PCM, DSD, etc.)
- When playing in the PURE DIRECT mode, the surround mode does not change even if the input signal is changed.

5 Manual EQ

Adjust tonal quality for each speaker using graphic equalizer.

Adjust CH

Select speaker adjustment method.

Manual EQ

Select the speaker and frequency band and adjust the level.

[Selectable items]	63	125	250	500	1k	2k	4k
	8k	16k					
[Variable range]	-20d	B ~ +6	dB				

Curve Copy

Copy "Audyssey Flat" curve from Room EQ.

[Selectable items] Yes No

"Curve Copy" is displayed after the auto setup procedure has been performed.

Default

Resets the settings to the default values.



Network Setup Make network settings. Menu tree Manual Setup Network Setup Network Setup

Other
 Network Information

- If you are using a broadband router (DHCP function), there is no need to make the settings at "Setting the IP Address" and "Setting the Proxy", since the DHCP function is set to "ON" in the AVR-3808Cl's default settings.
- If the AVR-3808CI is being used connected to a network without the DHCP function, the network settings must be made. In this case, some knowledge of networks is required. For details, consult a network administrator.
- If you cannot connect to the Internet, recheck the connections and settings (12) page 20).
- If you do not understand about Internet connection, contact your ISP (Internet Service Provider) or the store from which you purchased your computer.

• DHCP (Dynamic Host Configuration Protocol) :

These are systems by which the IP address and other network settings are automatically set for the AVR-3808CI, computer, broadband router and network devices.

• DNS (Domain Name System) :

This is a system for converting the domain names used when browsing Internet sites (for example, "www.denon.jp") into the IP addresses actually used for communications (for example, "202.221.192.106").

1 Network Setup

GUI

Make settings for LAN. Use this procedure to configure the Wired LAN settings.

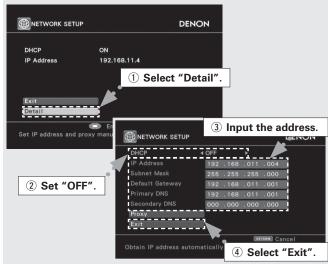
Connect the LAN cable (P page 20).

Turn on the AVR-3808CI (CP page 47).

AVR-3808Cl performs automatic network setup due to the DHCP function.

When connecting to a network that has no DHCP function, perform the setting in step 3.

3 Set the IP address at the GUI menu "Manual Setup" "Network Setup" – "Network Setup".



① Select "Detail" and press ENTER

(2) Use ⊲ ▷ to set "DHCP" to "OFF", then press ∇. The DHCP function is disabled.

(3) Use $\Delta \nabla \triangleright$ to input the address and press **ENTER**.

IP Address

Set the IP address within the ranges shown below. The Network Audio function cannot be used if other IP addresses are set. CLASS A: 10.0.0.0 ~ 10.255.255.255 CLASS B: 172.16.0.0 ~ 172.31.255.255 CLASS C: 192.168.0.0 ~ 192.168.255.255

Subnet Mask :

When connecting an xDSL modem or terminal adapter directly to the AVR-3808CI, input the subnet mask indicated in the documentation supplied by your provider. Normally input 255.255.255.0.

Default Gateway :

When connected to a gateway (router), input its IP address.

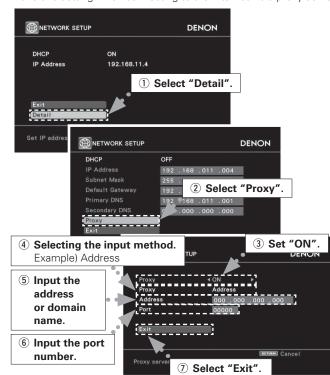
Primary DNS Secondary DNS

If there is only one DNS address indicated in the documentation supplied by your provider, input it at "Primary DNS". If there are two or more DNS addresses, input the first one at "Secondary DNS".

- ④ Use ∇ to select "Exit" and press **ENTER**. Setup is complete.
- ※When connecting to the network via a Proxy server, select "Proxy" and press ENTER (☞ page 33 "Proxy settings").

Proxy settings

Make this setting when connecting to the Internet via a proxy server.



- On the GUI menu, select "Manual Setup" "Network Setup" – "Network Setup" – "Detail" and press ENTER.
- (2) Use $\Delta \nabla$ to set "Proxy" and press **ENTER**
- ③ Use ⊲ ▷ to set "Proxy" to "ON" and press ∇. The proxy server is enabled.

(4) Use $\triangleleft \triangleright$ to select the proxy server input method, and then press \bigtriangledown

[Selectable items]

- Address : Select when inputting by address.
- Name : Select when inputting by domain name.
- (5) Use △∇ ▷ to input the proxy server address or domain name and press ENTER.
 When "Address" is selected in step ④:
 - Input the address

When "Name" is selected in step 4 :

Input the domain name

[Characters that can be input]

A~Z a~z 0~9 ! "#%&'()*+,-./:;<=>?@[\](space)

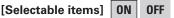
- (6) Use $\Delta \nabla \triangleleft \triangleright$ to input the proxy server port number and press **ENTER**.
- ⑦ Use ∇ to select "Exit" and press **ENTER**. Setup is complete.

2 Other

Make setting for amp power save mode and computer language environment.

Power Saving

Make setting for power saving when not connected to network.



Character

Set the character code type of the MP3 ID3-Tag played by USB.

[Selectable items] Auto Latin Japanese

_

If the characters are not properly displayed when set to "Auto", set to "Latin" or "Japanese".

PC Language

Select computer environment language.



3 Network Information

Display network information.

[Items to be checked] DHCP= ON or OFF IP Address

MAC Address

Troubleshooting

Getting Started

Zone Setun GUI	Rch Level	Ontion Satur
	Adjust the right channel output level.	
Make settings for audio playback in a multi- zone system.	[Variable range] -12dB ~ OdB ~ +12dB	Make various other settings.
Menu tree Manual Setup	Channel	● Menu tree ● Manual Setup
Zone Setup	Switch between stereo and mono output.	Option Setup
ZONE2	[Selectable items] Stereo Mono	Amp Assign
Z ZONE3		Volume Control
		Source Delete
1 ZONE2	When GUI menu "Manual Setup" – "Option Setup" – "Amp Assign" is set to "ZONE (MONO)", the "Channel" setting is automatically set	5 Quick Select Name
Make settings for audio playback in a ZONE2 system.	to "Mono".	G Trigger Out 1
2 ZONE3	Volume Level	Trigger Out 2
Make settings for audio playback in a ZONE3 system.	Adjust the main volume level.	Remote ID
		2Way Remote
Bass	[Selectable items] Variable -40dB 0dB	Dimmer
Adjust low frequency range (bass).	للمن المن المن المن المن المن المن المن	II Setup Lock II Maintenance Mode
[Variable range] -10dB ~ 0dB ~ +10dB	"Variable" is displayed when a power amplifier is assigned to the	E Firmware Update
	ZONE2 output channel at GUI menu "Manual Setup" – "Option Setup" – "Amp Assign".	Add New Feature
Treble		
Adjust high frequency range (treble).	Volume Limit	Amp Assign
[Variable range] -10dB ~ 0dB ~ +10dB	Make a setting for maximum volume.	Define how the amplifier for the surround back speaker
HPF	[Selectable items] OFF -20dB -10dB 0dB	channels is used.
When using speakers that cannot satisfactorily play low frequencies,	Power On Level	The places where the surround back amplifier are used can be set freely according to the usage environment. This makes it possible to
distortion of the bass sound can be reduced by setting "HPF" to "ON".	Define the volume setting that is active when the power is turned on.	output sound to rooms other than the room (the main zone) where
[Selectable items] ON OFF	[Selectable items] Last70dB ~ +18dB	surround playback is performed (multi-zone playback) or play the sound with high quality using the front speakers (bi-amp connections).
Lch Level	Mute Level	[Selectable items]
Adjust the left channel output level.	Set the amount of attenuation when muting is on.	7.1CH ZONE2 ZONE3 ZONE(MONO) Bi-Amp 2CH
[Variable range] –12dB ~ OdB ~ +12dB	[Selectable items] Full -40dB -20dB	
		For details, see "Amp Assign / Multi Zone Connections and Operations" (1277) page 68 ~ 70).

Getting Started Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting

Set the main zone volume setting.

Volume Limit					
Make a setting for max	imum v	volume.			
[Selectable items]	OFF	-20dB	-10dB	0dB	
Power On Level					
This sets the volume s	et whe	n the ma	in zone's p	power is	turned o
[Selectable items]	Last		-80dB ~ -	⊦18dB	
Mute Level					
This sets the amount mode is set in the main		nuation (of the vol	ume wh	en the r
[Selectable items]	Full	-40dB	-20dB		
3 Source De Remove input sou		nat are r	not used .	from the	e displa
		.ac aro r			

NOTE

- Input sources being used in the various zones cannot be deleted.
 Input sources set to "Delete" cannot be selected from GUI menu
 - "Source Select" or using the **SOURCE SELECT** knob on the main unit or **SOURCE SELECT** button on the remote control unit.

4 GUI Make GUI related settings.

Screensaver

Make screensaver settings.			
Use the screensaver to prevent burn-in on the monitor screen.			
When set to "ON", the screensaver is activated if there is no activity			
for about 3 minutes.			

[Selectable items] 0N 0FF

Wall Paper

Change the GUI background.

[Selectable items] Picture Black Gray Blue

Format

Select the video output signal format to match the monitor.

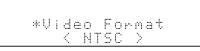
[Selectable items] NTSC PAL

NOTE

When a format other than the video format of the connected monitor is set, the picture will not be displayed properly. Use the procedure described below to change the video format.

Coperating from the main unit

- 1 Press and hold the STATUS and RETURN buttons for at least 3 seconds.
 - "Video Format" appears on the display.
- (2) Use the $\triangleleft \triangleright$ button to make the setting.
- 3 Press the ENTER, MENU or RETURN button to complete the setting.



Text information display.

[Selectable items] ON OFF

Master Volume

Master volume display during adjustment.

[Selectable items]	ON	OFF
--------------------	----	-----

NET/USB / iPod / Tuner

This sets the time the on-screen display is displayed when an operation is performed.

[Selectable items] Always 30s 10s 0FF

5 Quick Select Name

Change the Quick Select name. Up to 16 characters can be input.

[Input characters] A ~ Z

```
a ~ z 0 ~ 9
```

" # % &	'()	*+,/	':;<=>	?@	[\](space
--------------------	-----	------	--------	----	-----------

Getting Started

36

6 Trigger Out 1

Select the conditions to turn on the trigger out 1 with respect to the zone, input source, surround mode. For details about the trigger out function, see page 21.

7 Trigger Out 2

This sets the conditions to turn on the trigger out 2, in the same way as "Trigger Out 1" above.

[Selectable items] ON ---

Setting with Respect to the Zone

- When the power of the zone turned on/off, the trigger out turns on.
- Associated with the power supply of zones set to "ON".

Setting with Respect to the Input Source

- When the input source set to on is selected, the trigger out turns on.
- Associated with respect to the input source for zones set to "ON" at "Setting with Respect to the Zone".

Setting with Respect to the Surround Mode

- When the surround mode set to on is selected, the trigger out turns on.
- Associated with respect to surround modes that are set to "ON".
- This can be set if the "MAIN ZONE" setting at "Setting with Respect to the Zone" is set to "ON".
- Associated when an input source for which "Setting with Respect to the Input Source" is set to "ON" is selected.

8 Remote ID

Set remote control ID. Match the ID setting of the remote control unit and the receiver.

[Selectable items] 1 2 3 4

- When changing the remote ID, also change the AMP, iPod, TU and NET/DTU modes of the main remote control unit at the same time (127 page 62).
- When changing the remote ID, also change the sub remote control unit at the same time (127 page 67).

9 2Way Remote

Make setting for 2-way remote control unit.

[Selectable items] Used Not Used

When using a 2-way remote control unit (RC-7000Cl and RC-7001RCl, sold separately), set this to "Used".

10 Dimmer

Adjust display brightness of the receiver.

[Selectable items] Bright Dim Dark OFF

Coperating from the main unit

Press the **DIMMER** button.



III Setup Lock

Protect settings from inadvertent change.

[Selectable items] ON OFF

• When "Setup Lock" is set to "ON", the settings listed below can no longer be changed. Also, "SETUP LOCKED!" is displayed if you attempt to operate related buttons.

- · GUI menu operations
- · RESTORER
- Night Mode
- · Parameter
- · Room EQ
- · Channel Level
- $\cdot\,$ Audio Delay

 To cancel the setting, press the MENU button to re-display the "Setup Lock" screen, then change the setting to "OFF".

12 Maintenance Mode

This sets the function for maintenance by a DENON serviceperson or installer. (For professional use only.)

This function allows a DENON serviceperson or installer to check the AVR-3808CI's status and make settings via the Internet.

NOTE

Only use this function if so instructed by a DENON service person or installer.

13 Firmware Update

Update the firmware of the receiver.

Check for Update

You can check for firmware updates. You can also check approximately how long it will take to complete an update.

Start

Execute the update process.

When updating starts, the power indicator becomes red and the GUI screen is shut down. The amount of update time which has elapsed is displayed.

When updating is complete the power indicator becomes green and normal status is resumed.

* If the display reads as shown below, check the settings and network environment, then update again.

Display	Description	
Updating failed	Updating failed.	
Login failed	Failure to log into server.	
Server is busy	Server is busy. Wait a while then try again.	
Connection fail	Failure connecting to server.	

Display the new functions (payment required) which can be purchased for downloading to the AVR-3808CI and upgrade.

When you purchase a new function and register your user information, "Registered" is displayed on this menu and you can proceed with the upgrade.

Getting Started

Connections

Setup

Playback

Remote Control

Multi-Zone

Information

Troubleshooting

When "Not Registered" is displayed on the Add New Feature screen, you cannot upgrade.

To use the upgrade function, you should purchase an upgrade package from the DENON website.

To purchase the package, you will need the ID number shown on this screen.

To display the ID number on the screen, hold the <D> and <STATUS> buttons down for 3 seconds or more.

Upgrade

Execute the upgrade process.

When updating starts, the power indicator becomes red and the GUI screen is shut down. The amount of update time which has elapsed is displayed.

When updating is complete the power indicator becomes green and normal status is resumed.

 $\ensuremath{\boldsymbol{\times}}$ If the upgrade is not successful, an error message identical to those

in "Firmware Update" will appear on the display, check the settings and network environment, then update again.

Upgrade Status

A list of the additional functions provided by the Upgrade will be displayed.

Notes concerning use of "Firmware Update" and "Add New Feature"

- In order to use these functions, you must have the correct system requirements and settings for a broadband Internet connection.
- Do not turn off the power until updating or upgrating is completed.
- Even with a broadband connection to the Internet, approximately 1 hour is required for the updating/upgrading procedure to be completed.

Once updating/upgrade starts, normal operations on the AVR-3808CI cannot be performed until updating/upgrading is completed.

Furthermore, updating/upgrading the firmware may reset the backup data for the parameters, etc., set for the AVR-3808CI.

Information regarding the "Firmware Update" function and "Add New Feature" will be announced on the DENON web site each time related plans are defined.

Language This sets the language used on the display screens.	
Menu tree	
Manual Setup	
Language	

[Selectable items]

English Français

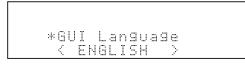
Representation of the main unit

Press and hold the STATUS and RETURN buttons for at least 3 seconds.

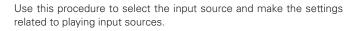
"Video Format" appears on the display.

- (2) Use the $\Delta \nabla$ button to set "GUI Language".
- (3) Use the $\triangleleft \triangleright$ button to make the setting.

④ Press the ENTER, MENU or RETURN button to complete the setting







GUI

Input Source Selection

Menu tree				
Sou	Irce Select			
	TUNER			
	PHONO			
	CD			
	DVD			
	HDP			
	TV/CBL			
	SAT			
	VCR			
	DVR			
12	V.AUX			
	NET/USB			
L	XM			

Operating from the main unit or main remote control unit

[Operation on the main unit]

Turn the **SOURCE SELECT** knob.

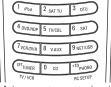
If "Rec Select" or "Video Select" is selected for the input source, press the SOURCE button before turning the SOURCE SELECT knob.

[Operation on the main remote control unit]

Press the $\ensuremath{\textbf{SOURCE SELECT}}$ button.

The desired input source can be selected directly.





(Main unit)

(Main remote control unit)

To operate the AVR-3808CI using the main remote control unit, set the remote control unit to the AMP mode (P page 59 "Remote Control Unit Operations").

Settings Related to Playing GUI				
nput Sources				
- Menu tree 🌑				
Source Select				
TUNER				
Play				
Auto Preset				
Preset Skip				
Preset Name				
Input Mode				
Rename				
D Other				
PHONO				
Input Mode				
Rename				
7 Other				
CD, DVD, HDP, TV/CBL, SAT, VCR, DVR, V.AUX				
Play*				
Playback Mode (iPod) *				
9 Assign				
Input Mode				
6 Rename				
7 Other				
NET/USB				
- Play				
Playback Mode				
Input Mode				
6 Rename				
D Other				

Source Select	
ХМ	
	Play
3	Preset Skip
	Antenna Aiming
- 5	Input Mode
6	Rename
	Other

* : "Play" and "Playback Mode (iPod)" are displayed for input sources for which "iPod dock" is assigned.

1 Play

The playback screen is displayed.

[Input source] | TUNER | NET/USB | XM | (iPod)

2 Auto Preset

Use the auto preset function to program radio stations.

[Input source] TUNER [Selectable i

4	04
temsi	Start

6

If an FM station cannot be preset automatically, select the desired station by tuning it in manually, then preset it manually.

3 Preset Skip

Set the preset memories that you do not want to display when tuning.

A ~ G

Select the preset channel(s) you do not want to display.

TUNER XM [Input source] [Selectable items] All 1 2 3 4 5 6 7 8

[Selectable items] ON Skip

When set to "All" to "Skip," it is possible to skip entire preset memory blocks (A to G).

4 Preset Name Assign name to a preset memory. Names containing up to 8 characters can be input. A1 ~ G8 Select the preset memory number. [Input source] TUNER [Characters that can be input] A~Z a~z 0~9 ! "#%&'()*+,-./:;<=>?@[\](space) **5** Input Mode Make input mode and decode mode settings for this source. The selectable input modes depend on the input source and "Assign" setting (Proge 40) Input Mode Set the input mod [Input source] Selectable iter [Input source] [Selectable iter [Input source]

IN".

and Assign Setting	
Input Mode	
Set the input mode for t	his source.
[Input source]	TUNER PHONO (iPod)
[Selectable items]	Analog EXT. IN
[Input source]	NET/USB XM
[Selectable items]	Auto EXT. IN
[Input source]	
CD DVD HDP TV/	CBL SAT VCR DVR V.AUX
[Selectable items]	
Auto HDMI Digita	I Analog EXT. IN

• When a digital signal is properly input, the "DG," indicator lights on

the display. If the "DIG," indicator does not light, check the digital

• The surround mode cannot be set if the input mode is set to "EXT.

input connector assignment and the connections.

Multi-Zone Information Troubleshooting

Getting Started

Connections

Setup

Playback

Remote Control

Operating from the main unit or main remote control unit

Press the **INPUT MODE** button on the main unit or the **INPUT** button on the main remote control unit.



- *1: This can be selected for input sources for which the GUI menu "Assign" setting is set to "HDMI" (P page 40). Excluding CD.
- *2: This can be selected for input sources for which the GUI menu "Assign" setting is set to "Digital" (127) page 40).

Decode Mode

Set the decode mode for this source.



This can be selected for input sources for which the GUI menu "Assign" setting is set to "HDMI" or "Digital" (2 page 40).
Only set "PCM" and "DTS" when playing the respective signals.

6 Rename

Change the display name for this source. Names containing up to 8 characters can be input.

[Characters that can be input]

A~Z a~z 0~9 ! "#%&'()*+,-./:;<=>?@[\](space)

7 Other

Make various other settings.

Video Select

Switch video input source while listening to audio signal.

[Selectable items]

DVD HDP TV/CBL SAT VCR DVR V.AUX Source

Coperating from the main unit

Press the **VIDEO SELECT** button, then turn the **SOURCE SELECT** knob until the desired picture appears.

** To cancel, press the main unit's VIDEO SELECT button, then turn the main unit's SOURCE SELECT knob and select "Source".

NOTE

- It is not possible to select HDMI input signals.
- When playing HDMI video input signals, the analog video signal of another input source cannot be selected for the HDMI video output.
- Input sources for which "Delete" is selected at "Source Delete" cannot be selected.

Video Convert

Automatically convert video input signal to monitor output format.

[Input source]	DVD HDP TV/CBL	SAT	VCR	DVR
	V.AUX			
[Selectable items]	ON OFF			

NOTE

When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate. If this happens, please set the conversion mode to "OFF".

Source Level

Corrects the playback level of the selected input source's audio input.

[Variable range] -12dB ~ 0dB ~ +12dB

-

For input sources for which "HDMI" or "Digital" are set at the GUI menu "Assign" setting, the analog input level and digital input level can be set separately.

8 Playback Mode (iPod)

Make settings for "iPod" playback.

Repeat

Make settings for repeat mode.

[Input source]		DVD V.A		TV/CBL	SAT	VCR
[Selectable items]	All	One	OFF			

Shuffle

¢

Make settings for shuffle mode.

[Input source]

CD	DVD	HDP	TV/CBL	SAT	VCR
DVF	V.AU	JX			

[Selectable items] Songs Albums OFF

This can be selected for input sources for which "Assign" is assigned at the "iPod dock" setting.

9 Assign

Assign input sources to input connectors.

HDMI

Select HDMI connector to assign to this source.

[Input s	source]		DVD DVR	HDP T V.AUX	V/CBL	SAT V	CR
[Select	able ite	ms]	1 2	3 4	None		
Input source	DVD	HDP	TV/CBL	SAT	VCR	DVR	V.AUX
Default setting	HDMI1	HDMI2	HDMI3	None	None	HDMI4	None

- With HDMI, the video and audio signals are transferred simultaneously. When HDMI is assigned to an input source, the audio signal switches to HDMI along with the video signal. To use with the digital audio input connectors assigned, set GUI menu "Input Mode" to "Digital" (CP page 38, 39).
- When the AVR-3808CI and monitor are connected with an HDMI cable, if the monitor is not compatible with HDMI audio signal playback, only the video signals are output to the monitor.
- The audio signals input from the analog, digital and EXT. IN connectors are not output to the monitor.

This cannot be set for input sources for which "iPod dock" is assigned.

Digital

Select digital input connector to assign to this source.

[Input source]	
----------------	--

VCR [Selectable items] Coaxial1 ~ 3 Optical1 ~ 4

CD



DVD || HDP || TV/CBL || SAT

DVR V.AUX

Input source	CD	DVD	HDP	TV/CBL	SAT	VCR	DVR	V.AUX
Default	Coaxial	Coaxial	None	Coaxial	Optical	Optical	Optical	Optical
setting	3	1		2	1	3	2	4

*: When a DENON DVD player and the DENON LINK have been connected, be sure to make a setting to "DENON LINK".

- This cannot be set for input sources for which "iPod dock" is assigned.
- When an input source to which "DENON LINK" has been assigned is selected in the MAIN ZONE, the PCM signal and network audio signal (Internet radio, music server or USB) input from the digital input connector cannot be output to the analog REC OUT connector or multizone.

Component

Select component video input to assign to this source.

[Input	source]
--------	---------

DVD	HDP	TV/CBL	SAT
DVR	V.AUX	(

[Selectable items] 1 2 3 None

Input source	DVD	HDP	TV/CBL	SAT	VCR	DVR	V.AUX
Default setting	Component 1	Component 2	Component 3	None	None	None	None

This cannot be set for input sources for which "iPod dock" is assigned.

iPod dock

Assign Control Dock for iPod to this source.

DVD || HDP || TV/CBL || SAT [Input source] CD DVR V.AUX

[Selectable items] Assign None

- With the default settings, the Control Dock for iPod can be used connected to the VCR (iPod) connector.
- Even if "iPod dock" is set to "Assign", if the AVR-3808CI is not connected to a Control dock for iPod, the input source can be used as the normal input source.

10 Playback Mode

Make settings for "NET/USB" playback.

[Input source] NET/USB

USB Select

Select USB port to use.

[Selectable items] Front Rear

6

VCR

Match the port to be used and the setting.

Repeat

Make settings for repeat mode.

[Selectable items] All One OFF

Random

Make random mode settings.

[Selectable items] ON OFF

Direct Play

Set the folder to be played using the **DIRECT PLAY** button on the sub remote control unit.

[Selectable items] Favorites All Music

Getting Started Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting

VCR

11 Antenna Aiming

Adjust the XM radio reception sensitivity.

ХМ

[Input source]

Satellite

Indicate satellite signal strength.

Terrestrial

Indicate terrestrial signal strength.

Display	Condition
	Signal strength is strong
	Signal strength is good
	Signal strength is marginal
	Signal strength is weak
	No signal

Surround Modes

Standard Playback

This is the standard mode for enjoying surround sound according to the program source.

Surround Playback of 2-channel Sources

To select these surround modes using the buttons on the main unit and main remote control unit, press the **STANDARD** button. The mode switches each time the button is pressed.

• When using a surround back speaker

• vvnen using a surround back speaker						
[Selectable items	s] DOLBY PL	x DTS NEO:6	neural			
• When not using a	surround back s	beaker				
[Selectable items	DOLBY PL	DTS NEO:6	neural			
DOLBY PLIIx or DOLBY PLII	:The signals a DOLBY PLII fo		DOLBY PLIIx or			
Cinema	: This mode is s	uited for movie	sources.			
	: This mode is suited for music sources.					
	: This mode is suited for games.					
Pro Logic	be selected v	hen playing w this mode is	ck mode. This can /ith a DOLBY PLII selected, "DOLBY			
DTS NEO:6	:The signals a playback.	re decoded ir	n DTS NEO:6 for			

- **Cinema** : This mode is suited for movie sources.
- **Music** : This mode is suited for music sources.
- neural : It is possible to play analog input signals and PCM (2-channel, 48 kHz or less) in the surround mode.

This is the optimum mode for playing sources recorded in XM HD Surround (127 page 74).



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Select the "Cinema", "Music", "Game" and "Pro Logic" modes at GUI menu "Parameter" – "Audio" – "Surround Parameters" – "Mode" (1777) page 42).

Playing Multi-channel Sources (Dolby Digital, DTS, etc.)

[Selectable items]

STANDARD

This mode is for decoding the input signals according to their format and playing surround sound.

The display when the STANDARD mode is selected depends on the input signal and surround back output playback mode.

Inp	out signal	Display
Dolby Digital Source	DOLBY DIGITAL (other than 2ch) / DOLBY DIGITAL EX DOLBY DIGITAL Plus DOLBY TrueHD	DOLBY DIGITAL DOLBY DIGITAL EX DOLBY DIGITAL+PLIIx CINEMA DOLBY DIGITAL+PLIIx MUSIC DOLBY DIGITAL + DOLBY TrueHD
DTS Surround Source	DTS (5.1ch) / DTS-ES Discrete 6.1 / DTS-ES Matrix 6.1 / DTS 96/24 DTS-HD High Resolution Audio DTS-HD Master	DTS SURROUND DTS+PLIIx CINEMA DTS+PLIIx MUSIC DTS+NEO:6 DTS ES MTRX6.1 (* 1) DTS ES DSCRT6.1 (* 2) DTS 96/24 (* 3) DTS-HD HI RES
DVD- Audio, SACD	PCM (multi ch) / DSD (multi ch)	DTS-HD MSTR MULTI CH IN MULTI IN+PLIIx CINEMA MULTI IN+PLIIx MUSIC MULTI CH IN 7.1

- *1 : This is displayed when the input signal is "DTS-ES Matrix 6.1" and the AVR-3808CI's "AFDM" setting is set to "ON".
- *2: This is displayed when the input signal is "DTS-ES Discrete 6.1".
- *3 : This is displayed when the input signal is "DTS 96/24".

Getting Started

DSP Simulation Playback

The desired mode according to the program source and viewing situation can be selected from among 10 DENON original surround modes.

The surround parameters can be adjusted (1277) page 75, 76) to achieve an even more realistic, powerful sound field.

[Selectable items]

7CH STEREO	: This mode is for enjoying stereo sound from all speakers.	s F
WIDE SCREEN	 This mode is for enjoying the atmosphere of viewing a movie on a large screen. 	0
SUPER STADIUM	: This mode is suited for viewing sports programs.	
ROCK ARENA	: This mode is for enjoying the atmosphere of a live concert in an arena.	
JAZZ CLUB	: This mode is for enjoying the atmosphere of a live concert in a jazz club.	_
CLASSIC CONCERT	: This mode is for appreciating classical concert programs.	
MONO MOVIE *	: This mode is for playing monaural movie sources with surround sound.	
VIDEO GAME	: This mode is suited for achieving surround sound with video games.	
MATRIX	: This mode lets you add a sense of expansion to stereo music sources.	4
VIRTUAL	: This mode is for enjoying surround effects using only the front speakers or headphones.	F
^k : When playing sou	rces recorded in monaural in the MONO MOVIE	Γ

*: When playing sources recorded in monaural in the MONO MOVIE mode, the sound will be off balance with a single channel (left or right), so input to both channels.

¢,

- To select these surround modes using the buttons on the main remote control unit, press the **SIMU** button. The mode switches each time the button is pressed.
- Depending on the program source being played, it may not be possible to achieve a satisfactory surround effect. In this case, try other modes to achieve a sound field suited to your tastes.

Stereo Playback

[Selectable items]

STEREO

This is the mode for playing in stereo. The tone can be adjusted. Sound is output from the front left and right speakers and subwoofer.

Direct Playback

[Selectable items]

DIRECT

In this mode the signals bypass the tone control circuitry for high quality sound.

The sound is output to the same channels as the input signal.

The display when the DIRECT mode is selected depends on the input signal.

For multi-channel sources, the display depends on the surround back output's play mode.

Input signal	Display	
Analog signal /		
PCM (2ch) /		
Dolby Digital source /	DIRECT	
DTS source /		
Other 2-channel digital signals		
DSD (2ch)	DSD DIRECT (*)	
	MULTI CH DIRECT	
PCM (multi ch)	M DIRECT + PLIIX CINEMA	
	M DIRECT + PLIIX MUSIC	
	M DIRECT 7.1	
DSD (multi ch)	DSD MULTI DIRECT (*)	

* : When DSD signals are converted to PCM signals as set by the audio parameters and speaker settings, "DIRECT" or "MULTI CH DIRECT" is displayed.

For details, see page 78.

Playback in the Pure Direct Mode

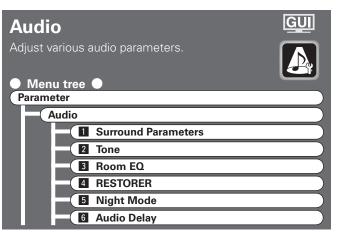
This is the mode that recreates the original sound most faithfully, providing extremely high quality sound.

Press the **PURE DIRECT** button.

- When in the PURE DIRECT mode, the GUI screen is not displayed and the display on the main unit is turned off.
- If the HDMI input connector is selected, video outputs are output in the PURE DIRECT mode.
- The channel level and surround parameters in the PURE DIRECT mode are the same as in the DIRECT mode.

Parameter

Parameters can be called out directly by pressing the **PARA** button on the main remote control unit.



Surround Parameters

Adjust surround sound parameters. The adjustable parameters differ for the different surround modes (P page 75, 76).

Mode

Select the mode according to the playback source.

[Selectable items]

In the PLIIx or PLII mode: **Cinema**

Pro Logic *

In the DTS NEO:6 mode:

Cinema Music

Music Game

*: Can be selected in the PLII mode.

•

The "Music" mode is also effective for movie sources including a lot of stereo music.

Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting

Getting Started



Cinema EQ	Dimension
Soften the treble range of movie soundtracks for better understanding.	Shift sound image c
[Selectable items] ON OFF	[Variable range]
DRC	Center Width
Compress dynamic range (difference between loud and soft sounds).	Assign center chanr sound.
[Selectable items] Auto Low Middle High OFF	[Variable range]
<i>C</i>	Delay Time
This can be set in the Dolby TrueHD mode.	Adjust delay time to
D.COMP	[Variable range]
Compress dynamic range (difference between loud and soft sounds).	Effect
[Selectable items] OFF Low Middle High	Switch effect signal
When playing DTS sources, this is only displayed for compatible	[Selectable items
software.	Effect Level
LFE	Adjust effect signal
Adjust the low-frequency effects level (LFE).	[Variable range]
[Variable range] -10dB ~ OdB	
<i>*</i>	
For proper playback of the different program sources, we recommend setting to the values below.	Room Size
 Dolby Digital sources: "0 dB" DTS movie sources: "0 dB" 	Determine size of a
• DTS music sources: "-10 dB"	[Selectable item:
Center Image	
Assign center channel signal to front left and right channels for wider sound.	NOTE
[Variable range] 0.0 ~ 0.3 ~ 1.0	"Room Size" does r are played.
Panorama	. /
Assign front L/B signal also to surround channels, for wider sound	

[Selectable items] ON OFF

enter to front or rear, to adjust playback balance.

3 0 ~ 6

el signal to front left and right channels for wider

30 ms

300 ms

3 ~ 7 0

control sound stage size.

0 ms ~

Switch effect signa	l for multi-surround	speakers on and o	f
---------------------	----------------------	-------------------	---

s] ON OFF

djust	effect	signal	leve

1 ~ 10 ~ 15

coustic environment.

s] Small Medium small Medium

Medium large Large

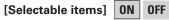
not indicate the size of the room in which sources

AFDM

Auto-select surround mode by source.

This function only works for software containing a special identification signal.

If the software being played is recorded in Dolby Digital EX or DTS-ES, it is played in 6.1-channels. If not, it is played in 5.1-channels.



Example : Playing Dolby Digital software (with EX flag)

- When "AFDM" is set to "ON", the surround mode is automatically set to the DOLBY D + PLIIx C mode.
- To play in the DOLBY DIGITAL EX mode, set "AFDM" to "OFF" and "SB CH Out" to "MTRX ON".

P

Some Dolby Digital EX sources do not include EX flags. If the playback mode does not switch automatically even when "AFDM" is set to "ON" set "SB CH Out" to "MTRX ON" or "PLIIX CINEMA".

SB CH Out (for Multi-channel sources)

Select playback mode for surround back channels.

[Selectable items]

NON MTRX MTRX ON PLIIX CINEMA *1 PLIIX MUSIC *2 ES MTRX *3 ES DSCRT *4 DSCRT ON OFF

- *1: This can be selected when "Surround Back" is set to "2spkrs" at the GUI menu "Manual Setup" - "Speaker Setup" - "Speaker Configuration" setting (P page 28).
- *2: This can be selected when "Surround Back" is set to "2spkrs" or "1spkr" at the GUI menu "Manual Setup" - "Speaker Setup" -"Speaker Configuration" setting.
- *3: This can be selected when playing DTS sources.
- *4: This can be selected when playing DTS sources including a discrete 6.1-channel signal identification signal.

6

When using the surround back speaker, you can change the "SB CH Out" setting by pressing the STANDARD button.

SB CH Out (for 2-channel sources)

Determine whether to use surround back speakers.

[Selectable items] ON OFF

Getting Started

Connections

Subwoofer Att.

Attenuate subwoofer level when using EXT. IN mode.

[Selectable items] ON OFF

ø

Set this to "ON" if the subwoofer channel level seems too high when playing Super Audio CD.

Subwoofer

Turn subwoofer output on and off.

[Selectable items] ON OFF

Default

Resets the settings to the default values.

2 Tone

Adjust the tonal quality of the sound.

Tone Defeat

Turn tone adjustments off.

[Selectable items] ON OFF

<u>_</u>

The tone cannot be adjusted when in the DIRECT mode.

Bass

Adjust low frequency range (bass).

[Variable range] –6dB ~ +6dB

Treble

Adjust high frequency range (treble).

[Variable range] –6dB ~ +6dB



"Bass" and "Treble" can be set when "Tone Defeat" is set to "OFF".

3 Room EQ

Select room equalizer for current environment.

[Selectable items]

Audyssey	: Optimize frequency response of all speakers.	
Audyssey Byp. L/R	: Optimize frequency response of speakers except front L and R speakers.	
Audyssey Flat	: Optimize frequency response of all speakers to flat response.	
Manual	: Apply frequency response set with "Manual EQ".	
OFF	: Turn equalizer off.	

Coperating from the main unit or main remote control unit

Press the R00M EQ button on the main unit or the EQ button on the main remote control.

Audyssey Audyssey Byp. L/R

- OFF 🗕 Manual 🚽 Audyssey Flat 🗕

When "Audyssey" is selected, "AUDYSSEY " lights

When "Audyssey Byp. L/R" or "Audyssey Flat" is selected, or when the auto setup measuring results have changed, " $_{\tt MULTEOXT}^{\tt MULTEOXT}$ " lights.

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- "Audyssey", "Audyssey Byp. L/R" and "Audyssey Flat" can be selected after the auto setup procedure has been performed.
- If the settings of the speakers for which "None" has been determined at "Auto Setup" are changed, "Audyssey", "Audyssey Byp. L/R" and "Audyssey Flat" cannot be selected and measurements have to be taken again to include the newly-added speakers.
- When using headphones, "Room EQ" is always set to "OFF".

4 RESTORER

This function restores compressed audio signals to how they were before compression and corrects the sense of volume of the bass to obtain richer playback sound.

[Selectable items]

OFF

Mode1 (RESTORER 64)

Mode2 (RESTORER 96)

Mode3 (RESTORER HQ)

The default setting for "NET/USB" and "iPod" is "Mode3". All others are set to "OFF".

Operating from the main unit or main remote control unit

During playback, press the **RESTORER** button on the main unit or the **RSTR** button on the main remote control unit.

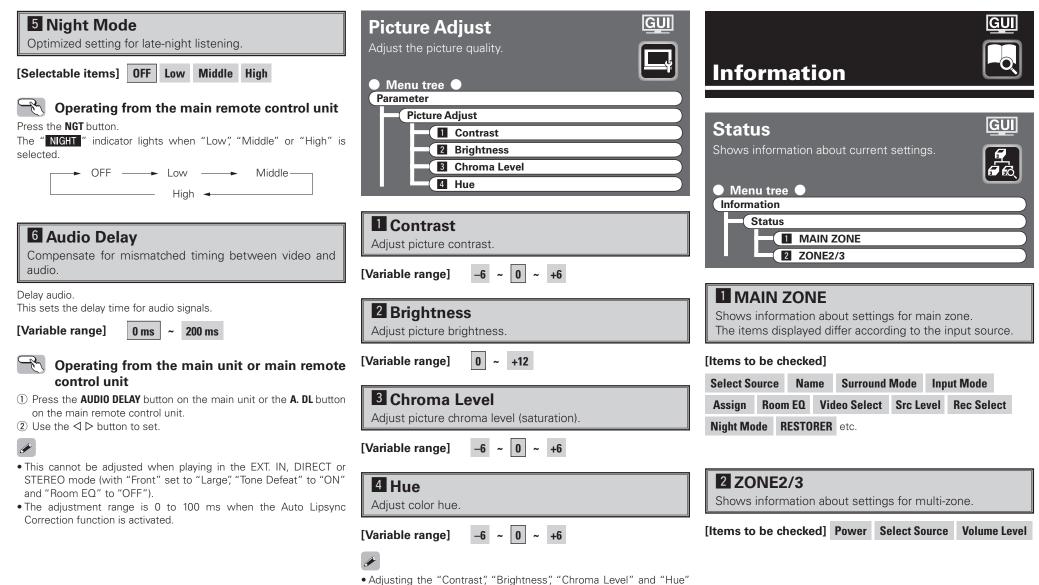
When set to something other than "OFF," "RESTORER" is displayed.



About the RESTORER function

- Such compressed audio formats as MP3, WMA (Windows Media Audio) and MPEG-4 AAC reduce the amount of data by eliminating signal components that are hard for the human ear to hear. The RESTORER function generates the signals eliminated upon compression, restoring the sound to conditions near those of the original sound before compression. It also corrects the sense of volume of the bass to obtain richer sound with compressed audio signals.
- This is displayed on the GUI menu and can be set when the input source is set to "XM" or "NET/USB", or when analog signals (including AM/FM signals) or PCM signals (fs = 44.1/48 kHz) are input.

Getting Started Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting



- Adjusting the "Contrast", "Brightness", "Chroma Level" and "H settings does not affect the HDMI input signal.
- "Hue" can be adjusted for composite video and S-Video signals.
- The adjustment values are stored for the individual input sources.

Getting Started

Connections

Setup

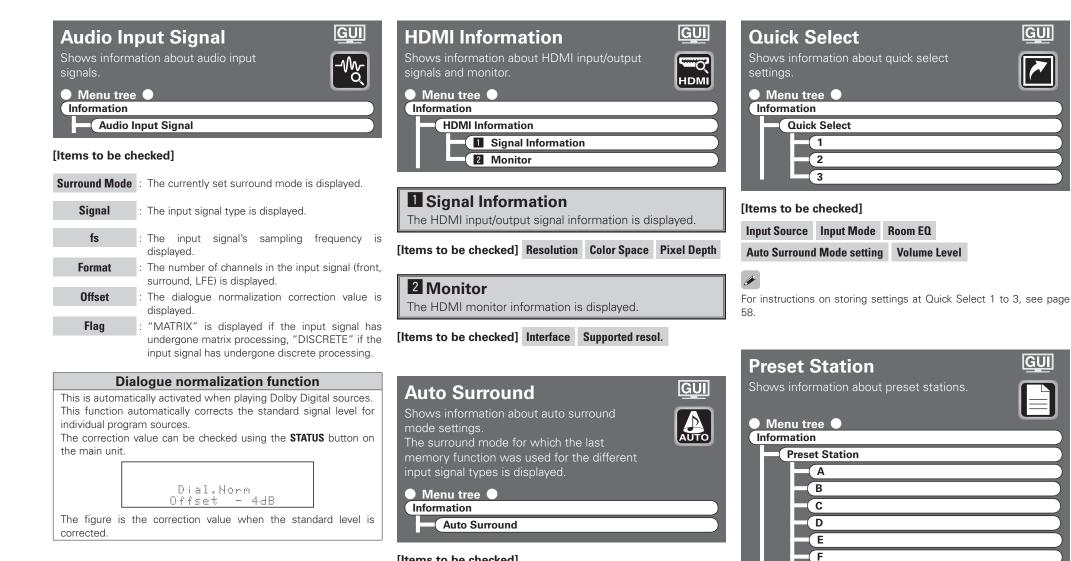
Playback

Remote Control

Multi-Zone

Information

Troubleshooting



[Items to be checked]

Analog/PCM 2ch Digital 2ch Digital 5.1ch Multi ch

GUI

Getting Started

Connections

Setup

Playback

Multi-Zone Information

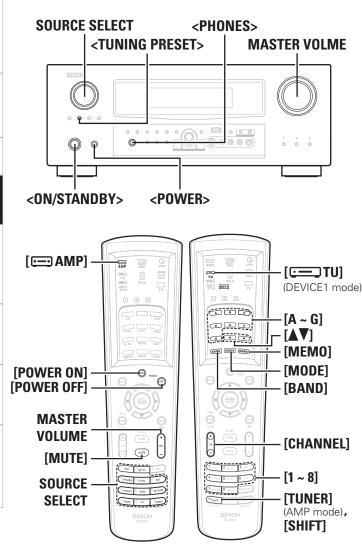
[Input source]

G

[Items to be checked] A1 ~ G8

When the STATUS button on the main unit is pressed, the set's status can be checked on the display.

TUNER XM NET/USB



About the button names in these explanations

- < > : Buttons on the main unit
- [] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

Playback

Preparations

Turning the Power On

Press <**POWER**>.

The power indicator lights red and the power is set to the standby mode.

• Press <**ON/STANDBY**> or [**POWER ON**].

Let The power indicator flashes green and the power turns on.

To operate the AVR-3808CI using the main remote control unit, set the remote control unit to the AMP mode (F page 59 "Remote Control Unit Operations").

Turning the Power Off

①Press <0N/STANDBY> or [POWER OFF].

The power is set to the standby mode.

2 Press <POWER>.

The power indicator turns off, and so does the power.

NOTE

Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time or when traveling, either press **<POWER>** to turn off the power, or unplug the power cord from the power outlet.

Operations During Playback

Adjusting the Master Volume

Either turn <MASTER VOLUME> or press [MASTER VOLUME].

Turning Off the Sound Temporarily (Muting)

Press [MUTE].

To cancel, press [MUTE] again. Muting can also be canceled by adjusting the master volume.

Listening with Headphones

Plug the headphones into **<PHONES>**.

The sound from the speakers and pre-out connectors is automatically cut.

NOTE

Be careful not to set the volume too high when using headphones.

Playing Video and Audio Equipment

Basic Operation

Prepare the equipment.

1 Load the DVD, CD or other software in the player.
(12) See the operating instructions of the respective devices.)
(2) To play a video device, switch the monitor input.
(12) See the monitor's operating instructions.)
2 To operate using the main remote control unit, set the remote control unit to the AMP mode.

(CP page 59 "Remote Control Unit Operations")

3 Use SOURCE SELECT to select the input source.

GUI : "Source Select" (🖙 page 37, 38)

Start playback.

Ger See the operating instructions of the respective devices.)

Remote Control | Multi-Zone | Information | Troubleshooting

Getting Started

Connections

Setup

Playback

Multi-Zone Information

Troubleshooting

Listening to FM/AM Broadcasts

Basic Operation

- **1** Either turn **<SOURCE SELECT>** or press **[TUNER]** (AMP mode) to select "TUNER".
 - GUI : "Source Select" (12 page 37, 38)
- 2 To operate using the main remote control unit, set the remote control unit to the TUNER (DEVICE1) mode.

(😰 page 59 "Remote Control Unit Operations")

3 Press [BAND] to select "FM" or "AM".

4 Tune in the desired broadcast station.

①To tune in automatically (Auto Tuning)

Press **[MODE]** to light the "AUTO" indicator on the display, then use **[AV]** to select the station you want to hear.

② To tune in manually (Manual Tuning) Press [MODE] to turn off the display's "AUTO" indicator, then use [▲▼] to select the station you want to hear.

6

- \bullet It is also possible to switch to "FM" or "AM" in step 1 by pressing $[\ensuremath{\textbf{TUNER}}].$
- If the desired station cannot be tuned in with auto tuning, tune it in manually.
- \bullet When tuning in stations manually, press and hold $[\blacktriangle V]$ to change frequencies continuously.
- The time for which the GUI menus are displayed can be set at GUI menu "Manual Setup" "Option Setup" "GUI" "Tuner" (CP page 35).

Presetting Radio Stations (Preset Memory)

Your favorite broadcast stations can be preset so that you can tune them in easily. Up to 56 stations can be preset.

Tune in the broadcast station you want to preset.

2 Press [MEM0].

3 Press [A ~ G] to select the block in which the station is to be preset, then press [CHANNEL] or [1 ~ 8] to select the preset number.

4 Press [MEM0] again to complete the setting.

(And the second second

- To preset other stations, repeat steps 1 to 4.
- Stations can be preset automatically at GUI menu "Source Select" – "Tuner" – "Auto Preset" (27 page 38).

NOTE

Preset stations are erased by overwriting them.

Listening to Preset Stations

Operation on the Main Unit

Press **<TUNING PRESET>**, then turn **<SOURCE SELECT>** to select the preset radio station.

Operation on the Main Remote Control Unit

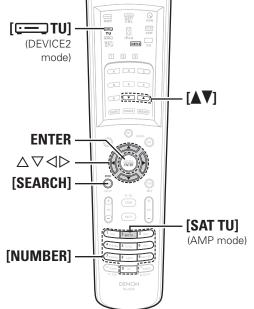
Press [A ~ G] to select the memory block.

2 Press [CHANNEL] or [1 ~ 8] to select the desired preset channel.

Default settings

Auto tuner presets		
A1 ~ A8	87.5 / 89.1 / 98.1 / 107.9 / 90.1 / 90.1 / 90.1 / 90.1 MHz	
B1 ~ B8	520 / 600 / 1000 / 1400 / 1500 / 1710 kHz, 90.1 / 90.1 MHz	
C1 ~ C8	90.1 MHz	
D1 ~ D8	90.1 MHz	
E1 ~ E8	90.1 MHz	
F1 ~ F8	90.1 MHz	
G1 ~ G8	90.1 MHz	

<SOURCE SELECT> $\land \lor \triangleleft \triangleright$ Ø 000 ENTER <STATUS>



About the button names in these explanations

- : Buttons on the main unit < >
- [] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

Listening to XM Satellite Radio **Programs**

About XM Radio

XM is North America's number one satellite radio company, offering an extraordinary variety of commercial-free music, plus the best in premier sports, news, talk radio, comedy, children's and entertainment programming, broadcast in superior digital audio quality coast to coast. For more information, or to subscribe, U.S. customers visit xmradio. com or call XM Listener Care at 1-800- XMRADIO (1-800-967-2346): Canadian customers visit xmradio.ca or call XM Listener Care at 1-877-GETXMSR (1-877-438-9677).

XM Ready[®] Legal

XM monthly service subscription sold separately. XM Mini-Tuner and Home Dock required (each sold separately) to receive XM service. It is prohibited to copy, decompile, disassemble, reverse engineer, hack, manipulate or otherwise make available any technology or software incorporated in receivers compatible with the XM satellite Radio System. Installation costs and other fees and taxes, including a one-time activation fee may apply. All fees and programming subject to change. Channels with frequent explicit language are indicated with an XL. Channel blocking is available for XM radio receivers by calling 1-800-XMRADIO (U.S. residents) and 1-877-GETXMSR (Canadian residents). XM Service only available in the 48 contiguous United States and Canada. ©2008 XM Satellite Radio Inc. All rights reserved.

XM Ready[®] Subscription

Once you have installed the XM Mini-Tuner Home Dock, inserted the XM Mini-Tuner, connected the XM Mini-Tuner Home Dock to your XM Ready® audio system, and installed the antenna, you are ready to subscribe and begin receiving XM programming. There are three places to find your eight character XM Radio ID: On the XM Mini-Tuner, on the XM Mini-Tuner package, and on XM Channel 0, Record the Radio ID below for reference.



Note: The XM Radio ID does not use the letters "I", "O", "S" or "F". Activate your XM Satellite Radio service in the U.S. online at http://activate.xmradio.com or call 1-800-XMRADIO (1-800-967-2346). Activate your XM Satellite Radio service in Canada online at https://activate.xmradio.ca or call 1-877-GET-XMSR (1-877-438-9677). You will need a major credit card, XM will send a signal from the satellites to activate the full channel lineup. Activation normally takes 10-15 minutes, but during peak busy periods you may need to keep your XM Ready audio system on for up to an hour. When you can access the full lineup on your XM Ready audio system you are done.

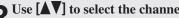
Basic Operation

Either turn <**SOURCE SELECT**> or press [**SAT TU**] (AMP mode) to select "XM".

GUI : "Source Select" (P page 37, 38)

To operate using the main remote control unit, set the remote control unit to the TUNER (DEVICE2) mode.

(C page 59 "Remote Control Unit Operations")



3 Use **[AV]** to select the channel. When the channel is tuned in, the name of the song and artist are displayed.

- The channel switches continuously when [**\V**] is pressed and held.
- XM Radio channels can be preset using the same procedure as for FM/AM stations (page 48 "Presetting Radio Stations (Preset Memory)" and "Listening to Preset Stations").
- The artist name, song title, category and reception level can be checked by pressing **<STATUS>**.
- The time for which the GUI menus are displayed can be set at GUI menu "Manual Setup" – "Option Setup" – "GUI" – "Tuner" (1) page 35).

Information

Troubleshooting

Getting Started

Checking the XM Signal Strength and Radio ID

Either turn **<SOURCE SELECT>** or press **[SAT TU]** (AMP mode) to select "XM".

2 Press **<STATUS>** until "SIGNAL" appears on the display.

The display will switch as shown below, depending on the reception conditions.

Display	Display GUI Status		
GOOD	- Th	Signal strength is good	
MARGINAL	¶.	Signal strength is marginal	
WEAK	T	Signal strength is weak	
NO	Ψ	No signal	

3 Adjust the position of the antenna until "SIGNAL: GOOD" is shown on the display.

4 Press **<STATUS>** until the channel (example: "XM001") is displayed.

5 Press **[V]** and select channel 0 (XM000). The radio ID is shown on the display.

XM000 RADIO ID Radio ID ak ak ak ak ak ak ak ak 🗲

The strength of both the XM satellite and terrestrial signals can be checked at GUI menu "Source Select" – "XM" – "Antenna Aiming" (127) page 41).

Searching Categories **1** Press ⊲ ▷. XM040 DeepTrks CAT: Rock ← Channel category

2 Use $\triangleleft \triangleright$ to select the category, then use $\triangle \bigtriangledown$ to select the desired channel.

Accessing XM Radio Channels Directly

Press [SEARCH].

• Press [NUMBER] then input the channel.

Example: Accessing channel "XM123": $[1] \rightarrow [2] \rightarrow [3]$

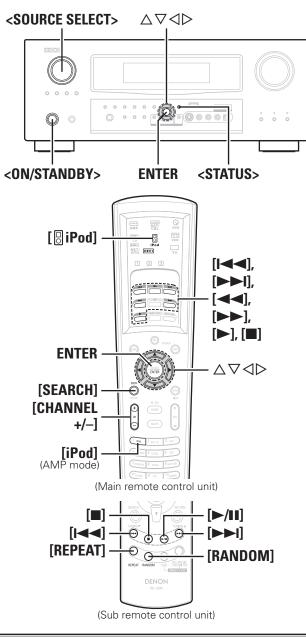
If no button is pressed within several seconds, the channel automatically switches to the one whose number has been input.

• Press ENTER to set that channel.

Seception switches to the selected channel.

¢°

- "LOADING" is displayed while channels or data are being received.
- "UPDATING" is displayed while the encoding code is being updated.
- "XM - -" is displayed if the selected channel cannot be used.



About the button names in these explanations

- : Buttons on the main unit < >
- [] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

iPod[®] Playback

The music on an iPod can be played by using the Control Dock for iPod (ASD-1R, sold separately).

The operation can also be performed using the buttons on the main unit or remote control unit while watching the GUI

■ Made for ● iPod iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

* The iPod may only be used to copy or play contents that are not copyrighted or contents for which copying or playback is legally permitted for your private use as an individual. Be sure to comply with applicable copyright legislation.

Basic Operation

Make the necessary preparations.

(1)Set the iPod in the DENON Control Dock for iPod. (C See the Control Dock for iPod's operating instructions.)

2 Assign the Control Dock for iPod's input.

GUI : "Source Select" – "(input source)" – "Assign"– "iPod dock" (F page 40)

Either turn <SOURCE SELECT> or press [iPod] (AMP) **C** mode) to select the input source assigned in step 1-2 above.

4

i Pod DENON

OK to disconnect.

(iPod screen)

*If the screens above are not displayed, the iPod may not be properly connected. Try connecting again.

"Source Select" - "(input source)" - "Play" GUI : (CP page 38)

- **3** To operate using the main remote control unit to the iPod mode. To operate using the main remote control unit, set the

(C page 59 "Remote Control Unit Operations")

Press [SEARCH] and hold it down for a 2 seconds or **4** more to select the display mode.

To switch between modes, press and hold down the button. When remote mode is active, "Remote" is displayed.

[Display mode]		Browse mode	Remote mode
Display location		Main unit display	iPod display
Playable	Audio file	0	0
files	Video file	×	*
Active buttons	Remote control unit (AVR-3808CI)	0	0
	iPod	×	0

* : Video may not be output, depending on the combination of ASD-1R and iPod.

- With the default settings, the iPod can be used connected to the VCR (iPod) connector.
- Use the RESTORER mode to expand the low and high frequency components of compressed audio files and achieve a richer sound. The default setting is "Mode3".
- Press <**ON/STANDBY>** and set the AVR-3808CI's power to the standby mode before disconnecting the iPod. Also switch the input source to one to which the GUI menu "iPod dock" is not assigned before disconnecting the iPod.

- Depending on the type of iPod and the software version, some functions may not operate.
- DENON will accept no responsibility whatsoever for any loss of iPod data

Listening to Music

Use $\Delta \nabla$ to select the menu, then press **ENTER** or \triangleright to select the music file to be played.

 \frown Press ENTER or \triangleright . Playback starts.

Stopping playback temporarily

During playback, press **ENTER** or [>]. Press again to resume playback.

Fast-forwarding or fast-reversing

During playback, either press and hold \triangle (to fast-reverse) or ∇ (to fastforward), or press [

Getting Started

Connections

Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting

Getting Started

To cue to the beginning of a track

During playback, either press Δ (to cue to the previous track) or ∇ (to cue to the next track), or press **[I** \triangleleft **]** or **[** \triangleright **I]**.

To stop

During playback, either press and hold **ENTER** or press [I].

Playing repeatedly

Press [CHANNEL -] or [REPEAT] on the sub remote control unit.



"Playback Mode (iPod)" – "Repeat" (127 page 39)

Shuffling playback

Press [CHANNEL +] or [RANDOM] on the sub remote control unit.

[Selectable items] Albums Songs OFF

GUI : "Source Select" – "(input source)" – "Playback Mode (iPod)" – "Shuffle" (@ page 39)

Searching up or down pages

Press **[SEARCH]**, then press \triangleleft (down) or \triangleright (up). To cancel, press $\triangle \nabla$ or **[SEARCH]**.

To switch between the Browse and Remote modes Either press and hold [SEARCH].

- The title name, artist name and album name can be checked by pressing **<STATUS>** during playback.
- On the AVR-3808Cl, folder and file names can be displayed as titles. Any characters that cannot be displayed are replaced with " . (period)".
- The time for which the GUI menus are displayed can be set at GUI menu "Manual Setup" "Option Setup" "GUI" "iPod" (2) page 35).

Viewing Still Pictures or Videos on the iPod

Photo and video data on the iPod can be viewed on the monitor. (Only for iPod equipped with slideshow or video functions.)

Press and hold [SEARCH] to set the Remote mode. "Remote iPod" is displayed on the AVR-3808Cl's display.

2 Watching the iPod's screen, use $\Delta \nabla$ to select "Photos" or "Videos".

3 Press ENTER until the image you want to view is displayed.



- "TV Out" at the iPod's "Slideshow Settings" or "Video Settings" must be set to "On" in order to display the iPod's photo data or videos on the monitor. For details, see the iPod's operating instructions.
- When unable to operate by the remote control unit, use the iPod unit.

Playing Network Audio or USB Memory Devices

This procedure can be used to play Internet radio stations or music files stored on a computer or USB memory device.

□ About the Internet radio function

• Internet radio refers to radio broadcasts distributed over the Internet. Internet radio stations from around the world can be tuned in.

The AVR-3808CI is equipped with the following Internet radio functions:

- $\cdot\,$ Stations can be selected by genre and region.
- \cdot Up to 56 Internet radio stations can be preset.
- Internet radio stations in MP3 and WMA (Windows Media Audio) format can be listened to.
- Your favorite radio stations can be registered by accessing an exclusive DENON Internet radio URL from a Web browser on a computer.
- * The function is managed for individual users, so you must provide your MAC or e-mail address.
 - Exclusive URL: <u>http://www.radiodenon.com</u>
- * The radio station database service may be suspended without notice.
- The AVR-3808Cl's Internet radio station list is created using a radio station database service (vTuner). This database service provides a list edited and created for the AVR-3808Cl.

vTuner services may be discontinued without notice.

Music server

This function lets you play music files and playlists (m3u, wpl) stored on a computer (music server) connected to the AVR-3808CI via a network.

With the AVR-3808Cl's network audio playback function, connection to the server is possible using one of the technologies below.

- \cdot Windows Media Player Network Sharing Service
- · Windows Media DRM10

Installing Windows Media Player ver. 11

- If Windows XP Service Pack 2 has not yet been installed, either download it free of charge from Microsoft or install it via a Windows update installer.
- ② Download the latest version of Windows Media Player ver. 11, either directly from Microsoft or using a Windows update installer.
- * When using Windows Vista, there is no need to download a new version of Windows Media Player.

USB memory devices

A USB memory device can be connected to the AVR-3808Cl's USB port to play music files stored on the USB memory device.

- Only USB memory devices conforming to mass storage class and MTP (Media Transfer Protocol) standards can be played on the AVR-3808CI.
- The AVR-3808CI is compatible with USB memory devices in "FAT16" or "FAT32" format.

[Compatible formats]

	Internet radio	Music server [※]	USB [%]	
WMA (Windows Media Audio)	0	0	•*	
MP3 (MPEG-1 Audio Layer-3)	0	0	0	
WAV *	-	0	0	
MPEG-4 AAC	-	*	*	
FLAC (Free Lossless Audio Codec)	_	0	0	

A server or server software compatible with distribution in the corresponding formats is required to play music files via a network.

*: Only files that are not protected by copyright can be played on the AVR-3808CI.

Contents downloaded from pay sites on the Internet are copyright protected. Also, files encoded in WMA format when ripped from a CD, etc., on a computer may be copyright protected, depending on the computer's settings.

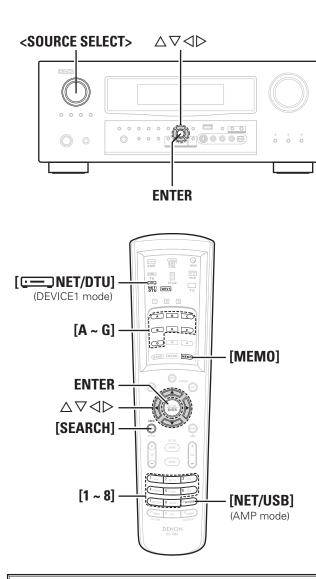
※ Music server and USB

- The AVR-3808CI is compatible with MP3 ID3-Tag (Ver. 2) standards.
- $\cdot\,$ The AVR-3808CI is compatible with WMA META tags.

[Playable formats]

	Sampling frequency	Bit rate	Extension
WMA (Windows Media Audio)	32/44.1/48 kHz	48~192 kbps	.wma
MP3 (MPEG-1 Audio Layer-3)	32/44.1/48 kHz	32~320 kbps	.mp3
WAV	32/44.1/48 kHz	-	.wav
MPEG-4 AAC	32/44.1/48 kHz	16~320 kbps	.aac/.m4a/.mp4
FLAC (Free Lossless Audio Codec)	32/44.1/48 kHz	_	.flac

WAV format Quantization bit rate: 16 bits.



About the button names in these explanations

- < > : Buttons on the main unit
- [] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

Basic Operation

1 Make the necessary preparations.

- ① Check the network environment, then turn on the AVR-3808Cl's power. (@page 20 "Network Audio")
- If settings are required, make the network settings.
 (12) page 32, 33 "Network Setup")
- ③ Prepare the computer. (*** Computer's operating instructions) Install "Windows Media Player ver. 11".

2 Either turn **<SOURCE SELECT>** or press [NET/USB] (AMP mode) to select "NET/USB".

- GUI: "Source Select" "NET/USB" "Play" (Tp page 38)
- **3** To operate using the main remote control unit, set the remote control unit to the NET/DTU (DEVICE 1) mode.

(CP page 59 "Remote Control Unit Operations")

4 Use $\triangle \nabla$ to select the menu, then press **ENTER** or \triangleright to select the file you want to play.

5 Press ENTER or \triangleright . Playback starts.

Stopping playback temporarily During playback, press **ENTER**.

Press again to resume playback.

To stop

During the play or pause mode, press and hold ENTER.

Searching up or down pages

Press **[SEARCH]**, then press \triangleleft (down) or \triangleright (up). To cancel, press $\triangle \nabla$ or **[SEARCH]**.

Searching by first letter (Character search)

This operation is convenient for choosing items from the menu screens for Internet radio stations or files stored on the computer.

- ① When the menu screen is displayed, press [SEARCH] twice.
- (2) Use $\triangleleft \triangleright$ to select the first letter you want to search for.
- If there are multiple items starting with the selected letter, they are displayed in alphabetical order.

If it is not possible to search the list, "Unsorted list..." is displayed.

- Use the RESTORER mode to expand the low and high frequency components of compressed audio files and achieve a richer sound. The default setting is "Mode3".
- The time for which the GUI menus are displayed can be set at GUI menu "Manual Setup" – "Option Setup" – "GUI" – "NET/USB" (@page 35).
- The display can be switched between the artist name, track name, album name.
- The track display order differs with the server specification. When, due to the server specification, track display is not in alphabetical order, character search may not operate correctly.

Listening to Internet Radio

1 Use $\triangle \nabla$ to select "Internet Radio", then press ENTER or \triangleright .

2 Use $\triangle \nabla$ to select the item you want to play, then press ENTER or \triangleright .

The station list is displayed.

3 Use $\Delta \nabla$ to select the station, then press ENTER or \triangleright .

Playback starts once buffering reaches "100%".

Ó

• There are many Internet radio stations on the Internet, and the quality of the programs they broadcast as well as the bit rate of the tracks varies widely.

Generally, the higher the bit rate, the higher the sound quality, but depending on the communication lines and server traffic, the music or audio signals being streamed may be interrupted.

Inversely, lower bit rates mean a lower sound quality but less tendency for the sound to be interrupted.

- "Server Full" or "Connection Down" is displayed if the station is busy or not broadcasting.
- On the AVR-3808CI, folder and file names can be displayed as titles. Any characters that cannot be displayed are replaced with " . (period)".

Getting Started

Connections

Setup

Recently Played Internet Radio Stations

Recently played internet radio stations can be selected from "Recently Played" in top menu.

Use $\Delta \nabla$ to select "Recently Played", then press **ENTER** or \triangleright .

 \frown Use $\triangle \nabla$ to select the item you want to play, then \checkmark press ENTER or \triangleright .

Up to 20 stations stored in "Recently Played".

Presetting Internet Radio Stations

Preset Internet radio stations can be selected directly.

While the Internet radio station you want to preset is plaving, press [MEMO].

 \frown Use $\triangle \nabla$ to select "Preset", then press ENTER.

→ Press [A ~ G], then press [1 ~ 8] to select the desired preset number.

The Internet radio station is now preset.

NOTE

If registered at a number that has already been preset, the previously registered setting is cleared.

Listening to Preset Internet Radio Stations

With the input source set to "NET/USB", press [A ~ G], then press $[1 \sim 8]$.

The AVR-3808CI automatically connects to the Internet and playback begins.

Registering Internet Radio Stations as Your Favorites

Favorites are listed at the top of the menu screen, so when a station is registered as a favorite it can be tuned in easily.

Press [MEMO] while the Internet radio station you want to register is playing.

 \frown Use $\triangle \nabla$ to select "Favorites", then press ENTER.

B Press I to select "Yes". The Internet radio station is registered. If you do not want to register it, press \triangleright .

Listening to Internet Radio Stations Registered in **Your Favorites**

1 ^{Us}⊳. Use $\Delta \nabla$ to select "Favorites", then press ENTER or

 \frown Use $\triangle \nabla$ to select the Internet radio station, then \checkmark press ENTER or \triangleright .

The AVR-3808Cl automatically connects to the Internet and playback begins.

Clearing Internet Radio Stations from Your Favorites

1 ^{Use} ⊳. Use $\Delta \nabla$ to select "Favorites", then press ENTER or

 \frown Use $\Delta \nabla$ to select the Internet radio station you want to clear, then press [MEMO].

→ Press ✓ to select "Delete". .5

The selected Internet radio station is cleared.

To cancel the operation without clearing the station, press \triangleright .

Playing Files Stored on a Computer

Use this procedure to play music files or playlists.

Use $\Delta \nabla$ to select the host name of the computer on which the music file you want to play is located, then press **ENTER** or \triangleright .

 \frown Use $\triangle \nabla$ to select the search item or folder, then press \checkmark ENTER or \triangleright .

3 Use $\Delta \nabla$ to select the file, then press ENTER or \triangleright . Playback starts once buffering reaches "100%".

Selecting tracks

During playback, either press Δ (previous track) or ∇ (next track).

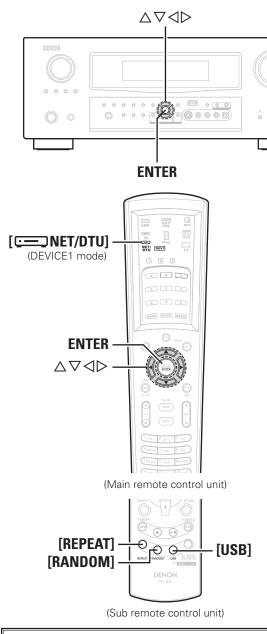
(

- Connections to the required system and specific settings must be made in order to play music files (reprage 20).
- · Before starting, you must launch the computer's server software and set the files as server contents. For details, see the operating instructions of your server software.

Playing files that have been Preset or Registered in **Your Favorites**

Files can be preset, registered in your favorites and played using the same operations as for Internet radio stations.

- Presettings are erased by overwriting them.
- When the operation described below is performed, the music server's database is updated and it may no longer be possible to play preset or favorite music files.
- When you guit the music server and then restart it.
- When music files are deleted or added on the music server.
- When using an ESCIENT server, place "ESCIENT" before the server name.



About the button names in these explanations

- < > : Buttons on the main unit
- [] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

Playing Files Stored on USB Memory Devices

Only USB memory devices conforming to mass storage class and MTP (Media Transfer Protocol) standards can be played on the AVR-3808CI.

Basic Operation

Make the necessary preparations.

• Set the USB port to be used.

GUI : "Source Select" - "NET/USB" - "Playback Mode" -"USB Select" (Page 40)

• Connect the USB memory device to the set USB port.

2 Use $\triangle \nabla$ to select "USB", then press ENTER or \triangleright .

3 Use $\triangle \nabla$ to select the search item or folder, then press ENTER or \triangleright .

4 Use $\Delta \nabla$ to select the file, then press ENTER or \triangleright . Playback starts once buffering reaches "100%".

6

By default, the front panel's USB port will be used.

Playing repeatedly

Press [REPEAT] on the sub remote control unit.

[Selectable items] All One OFF

GUII : "Source Select" - "NET/USB" - "Playback Mode" -"Repeat" (@ page 40)

Playing in random order

Press [RANDOM] on the sub remote control unit.

[Selectable items] ON OFF

GUII : "Source Select" - "NET/USB" - "Playback Mode" -"Random" (@ page 40)

Selecting tracks

During playback, either press Δ (previous track) or ∇ (next track).

- If the USB memory device is divided into multiple partitions, only the top partition can be selected.
- The AVR-3808Cl is compatible with MP3 files conforming to "MPEG-1 Audio Layer-3" standards.
- If **[USB]** on the sub remote control unit is pressed when the USB memory device or folder is selected, all the tracks on the USB memory device or in the folder are played.

NOTE

- The AVR-3808CI is equipped with two USB ports, one each on the front and rear panels. It is not possible to use the set with USB memory devices connected to both the ports at the same time. Select the USB port you want to use at the "Source Select" "NET/ USB" "Playback Mode" "USB Select" menu.
- DENON will accept no responsibility whatsoever for any loss or damage to data on USB memory devices when using the USB memory device connected to the AVR-3808CI.
- USB memory devices will not work via a USB hub.
- DENON does not guarantee that all USB memory devices will operate or receive power. When using a USB connection type portable hard disk of the type for which power can be supplied by connecting an AC adapter, we recommend using the AC adapter.
- It is not possible to connect and use a computer via the AVR-3808CI's USB port using a USB cable.
- The AVR-3808CI is not compatible with the iPod shuffle.

Operating the AVR-3808CI Using a Browser (Web control)

This function lets you operate the $\ensuremath{\mathsf{AVR}}\xspace{-3808CI}$ using Internet Explorer.

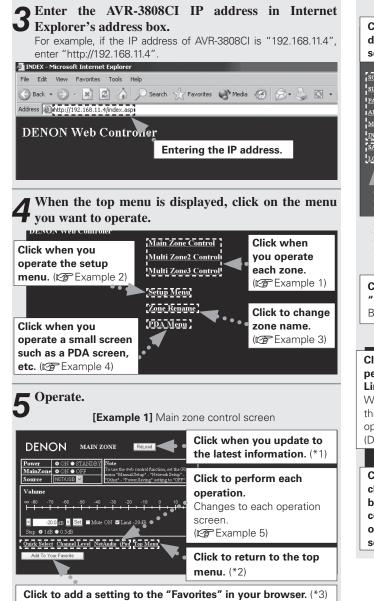
- Switch "OFF" the "Power Saving" setting under "Manual Setup" – "Network Setup" – "Other" on the GUI menu (27 page 33).
- **2** Check the AVR-3808CI's IP address with "Manual Setup" "Network Setup" "Network Information" on the GUI menu (127) page 33).



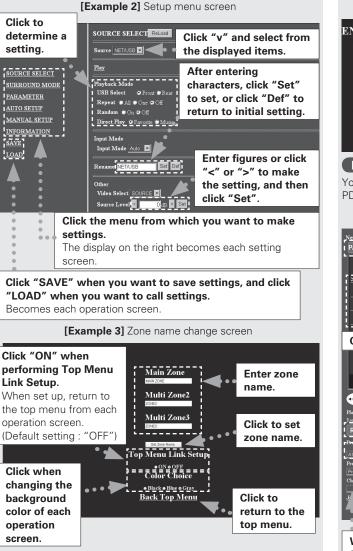
Getting Started

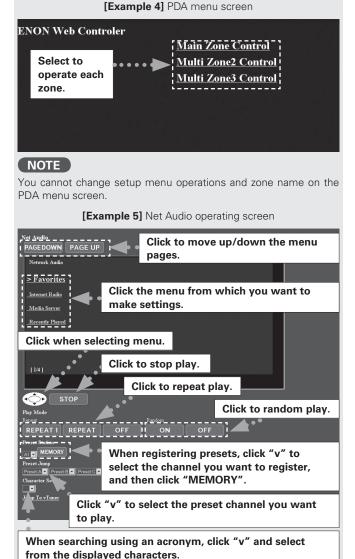
Connections

Setup



- *1 : Normally, there is a change to the latest information each time you operate. When operated from the main unit, click because the screen is not updated.
- *2 : Displayed when setting "Top Menu Link Setup" to "ON" in [Example 3].
- *3 : To avoid mistakenly performing menu operations of a zone you are not operating, we recommend that you register the setting contents for each zone under Favorites in your browser.





NOTE

- To perform web control, you must connect a web control device such as a PC to the same network as the AVR-3808CI.
- With web control, some network settings, etc., cannot be set.
- When updating firmware, settings made by the web controller may be reset.

Getting Started

Connections

Setup

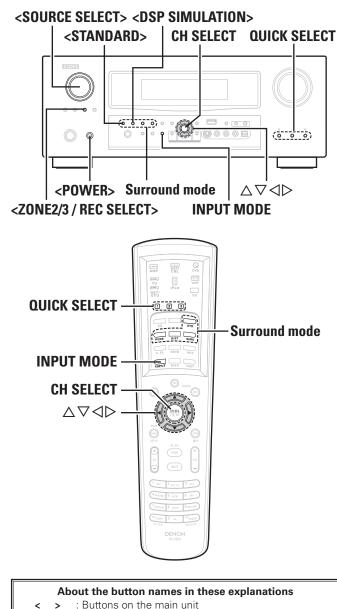
Playback

Remote Control

Multi-Zone

Information

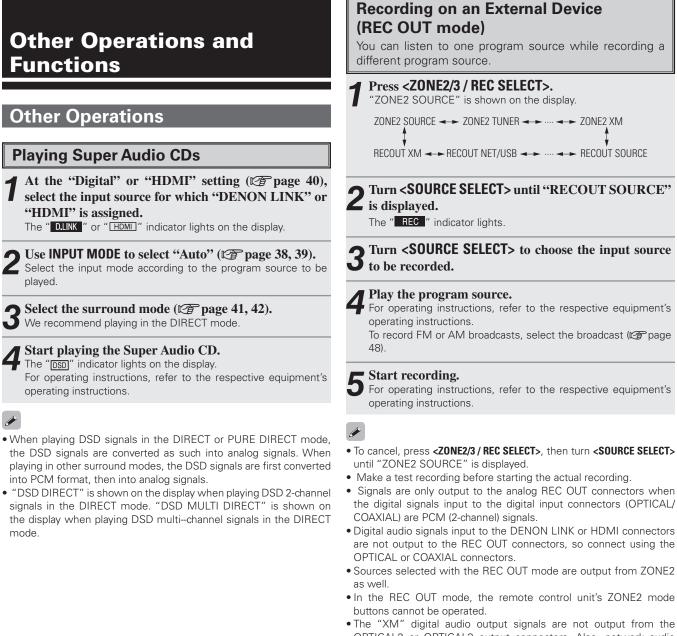
Troubleshooting



3

- [] : Buttons on the remote control unit
- Button name only:





• The "XM" digital audio output signals are not output from the OPTICAL2 or OPTICAL3 output connectors. Also, network audio signals (Internet radio, music server, USB) are not output if they are copyright-protected.

Recording on an External Device

You can listen to one program source while recording a

Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting

Getting Started

NOTE

- Recordings you make are for your personal enjoyment and should not be used for other purposes without permission of the copyright holder.
- When "DENON LINK" is assigned at the GUI menu "Assign" setting, the PCM signals, network audio signals (Internet radio, music server and USB), XM signals input from the digital input connectors cannot be output from the analog REC OUT connectors.
- Input sources for which "Delete" is selected at "Source Delete" cannot be selected.

Convenient Functions

Channel Level

You can adjust the channel level either according to the playback sources or to suit your taste, as described below.

Press CH SELECT.

O Use $\Delta \nabla$ or **CH SELECT** to select the speaker.

The speaker that can be set switches each time one of the buttons is pressed.

3 Use $\triangleleft \triangleright$ to adjust the volume.

※ "OFF" can be set by pressing < A when the subwoofer's volume is set to −12 dB.

Fader Function

This function lets you adjust (fade) the sound from all the front or rear speakers at once.

Press CH SELECT.

2 Press $riangle \nabla$ or CH SELECT to select "Fader".

3 Use $\triangleleft \triangleright$ to adjust the volume of the speakers. (\triangleleft : front, \triangleright : rear)

- The fader function does not affect the subwoofer.
- The fader can be adjusted until the volume of the speaker adjusted to the lowest value is -12 dB.

Quick Select Function

With this function, the currently playing input source, input mode, surround mode, room EQ settings and volume can be stored in the memory.

1 Set the input source, input mode, surround mode, room EQ settings and volume to the conditions you want to store.

2 Press and hold the desired QUICK SELECT. Keep pressing the button until the quick select indicator lights.

[Quick Select Defaults]

	Input Source	Volume
Quick Select 1	DVD	–40 dB
Quick Select 2	TV/CBL	–40 dB
Quick Select 3	VCR	–40 dB

6

• To call out the settings, press **QUICK SELECT** at which the desired settings were stored.

• The Quick Select name can be changed (1277 page 35).

NOTE

Input sources stored with the quick select function cannot be selected if they have been deleted at GUI menu "Manual Setup" – "Option Setup" – "Source Delete" (127) page 35). In this case, store them again.

Personal Memory Plus Function

This function sets the settings (input mode, surround mode, etc.) last selected for the individual input sources. When you switch to an input source, the settings are automatically set to the ones that were set the last time that input source was used.

The surround parameters, tone control, room EQ settings and the volumes of the different speakers are stored for the individual surround modes.

Last Function Memory

This stores the settings as they were directly before the standby mode was set.

When the power is turned back on, the settings are restored to as they were directly before the standby mode was set.

Backup Memory

The various settings are backed up for about 1 week, even if the power is turned off or the power cord is disconnected.

Resetting the Microprocessor

Perform this procedure if the display is abnormal or if operations cannot be performed.

When the microprocessor is reset, all the settings are reset to their default values.

Turn off the power using **<POWER>**.

2 Press **<POWER>** while simultaneously pressing **<STANDARD>** and **<DSP SIMULATION>**.

3 Once the display starts flashing at intervals of about 1 second, release the two buttons.

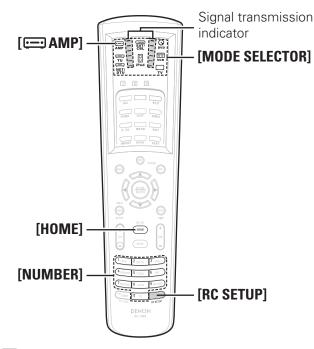
If in step 3 the display does not flash at intervals of about 1 second, start over from step 1.

Getting Started Connections Setup Playback **Remote Control** Multi-Zone Information Troubleshooting

Remote Control Unit Operations

Main Remote Control Unit

- On the main remote control unit, the display switches according to the device being operated and the mode.
- In modes other than iPod, the mode switches between "DEVICE1" and "DEVICE2" each time the IMODE **SELECTOR]** is pressed
- In the AMP, TUNER, NET/DTU and iPod modes, when the remote ID is set, the AVR-3808CI can be used independently even in an environment containing multiple **DENON** amplifiers.



Depending on the model and year of manufacture of your equipment, some buttons may not operate.

NOTE

The device mode ("DEVICE1" or "DEVICE2") cannot be changed while the setting is being made.

Operating DENON Audio Components

Press [MODE SELECTOR] for the component to be operated.

iPod

VCR / TAPE

DVD CD player (Recorder)

The indicator for the component to be operated flashes.

- : AMP / ZONE2 / ZONE3 / ZONE4 * / SYSTEM CALL iPod O : DVD player (Recorder) /
- TUNER (FM/AM) / XM
- : NETWORK/USB / NET/ DIGITAL TUNER*

AMP

- SAT/ : Satellite Receiver / Cable TV
- * The AVR-3808CI cannot be used in the ZONE4 or NET/DTU (DEVICE2) modes.

ΤV

* The mode switches each time [AMP] is pressed.

- [AMP mode] [ZONE2 mode] [ZONE3 mode] AMP SAT/ O DVD SAT/ CBL TU NET/ TU NET/ DTU TU NET/ DTU 00 VCR D iPod D iPod Z3 123 123 22 ON 077 [SYSTEM CALL mode] [ZONE4 mode] SAT/ O DVP SAT/ O. TU III NETU TU NET/ D iPod VCR 00 VCR 1 2 3
- **Operate the component.**

* For details, refer to the component's operating instructions.

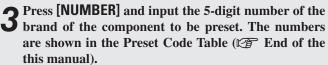
[HOME] is used to return to the AMP mode (AMP, ZONE2, ZONE3, ZONE4 or SYSTEM CALL) when in any mode other than AMP.

Presetting

The included main remote control unit can be preset to operate devices of various brands.

Press [MODE SELECTOR] for the device you want to preset.

Press and hold in [RC SETUP] for at least 3 seconds. Z The signal transmission indicator flashes twice.



When the code is registered, the signal transmission indicator flashes twice.

When the preset code is transmitted, the mode indicator for the component to which that code belongs flashes.

* The input mode is canceled if no button is operated for 10 seconds.

Some brands have more than one preset code. If the component does not operate, try inputting a different code.

Operating Preset Components

Press [MODE SELECTOR] for the component to be operated.

The mode indicator of the device to be operated flashes.

Operate the component.

* For details, refer to the component's operating instructions.



EL Display	[▶], [I◀◀ ▶▶I], [◀◀ ▶▶], [Ⅲ], [Ⅲ], — [SOURCE ON], [SOURCE OFF]
[MENU] — [SETUP/ SEARCH] — [CH + / — SHUFFLE], [CH – / REPEAT] Buttons	— [ENTER] — [△▽⊲▷] — [RETURN] — [0 ~ 9, +10]

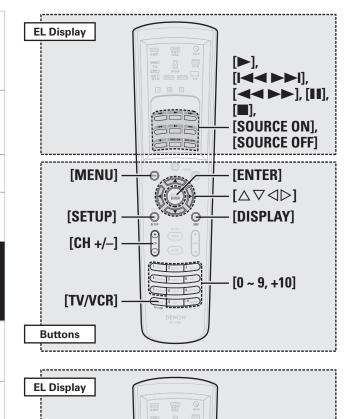
			EL Dis	play				
MODE SELECTOR		D	VD		VC	R	iPod	
Device Mode	DEV	ICE 1	DEV	ICE 2	DEVICE 1	DEVICE 2	DEVICE 1	
Device operated	DVD (Default setting)	DVD Recorder	CD (Default setting)	CD Recorder	VCR	ТАРЕ	iPod	
	Playback	Playback	Playback	Playback	Playback	Playback	Playback/Paus	
	Auto search (cue)							
44 >>	Manual search (fast-reverse/ fast-forward)							
П	Pause	Pause	Pause	Pause	Pause	Pause	-	
	Stop							
SOURCE ON	Power on	Power on	-	-	Power on	_	_	
SOURCE OFF	Power off	Power off	-	-	Power off	-	-	
			Butte	ons				
MENU	Menu/guide	Menu/guide	-	_	Menu/guide	-	Menu	
$\bigtriangleup \ \bigtriangledown \ \bigtriangleup \ \vartriangleright$	Cursor	Cursor	-	-	Cursor	-	Cursor	
ENTER	Enter setting	Enter setting	-	-	Enter setting	-	Enter	
SETUP/SEARCH	Set up	Set up	_	_	Set up	_	Page forward screen / Brows Remote mode switching (Pres and hold)	
RETURN	Return	Return	-	-	Cancel	-	Return	
CH + / SHUFFLE	_	_	_	_	Switch channels	_	1-track/album shuffle play	
CH - / REPEAT	-	-	-	-	Switch channels	_	1-track/All-trac	
0 ~ 9, +10	Select track	Select track	Select track	Select track	-	-	-	
Special Remarks	1,	2	(D	1	1	-	

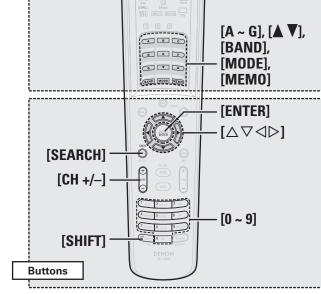
[Special Remarks]

Only one component can be preset for each mode. If a new code is preset, the previous code is automatically cleared.
 The names of the functions for the DVD remote control buttons differ from brand to brand. Check beforehand.

NOTE

- Preset a DVD player or DVD recorder for the "DVD" "DEVICE1" mode. Preset a CD player or CD recorder for the "DVD" "DEVICE2" mode.
- Preset a VCR for the "VCR" "DEVICE1" mode. Preset a tape deck for the "VCR" "DEVICE2" mode.





		EL Display		
MODE SELECTOR	Т	V	Satellite Rece	iver / Cable TV
Device Mode	DEVICE 1	DEVICE 2	DEVICE 1	DEVICE 2
Device operated	TV (HITACHI)	TV (SONY)	SAT	SAT
	Punch through	Punch through	Punch through	Punch through
II				
SOURCE ON	Power on	Power on	Power on	Power on
SOURCE OFF	Power off	Power off	Power off	Power off
		Buttons	·	
MENU	Menu/guide	Menu/guide	Menu/guide	Menu/guide
$\bigtriangleup \ \bigtriangledown \ \bigtriangleup \ \diamondsuit$	Cursor	Cursor	Cursor	Cursor
ENTER	Enter setting	Enter setting	Enter setting	Enter setting
SETUP	Set up	Set up	Set up	Set up
DISPLAY	Display	Display	Display	Display
CH + / -	Switch channels	Switch channels	Switch channels	Switch channels
0 ~ 9, +10	Channel selection	Channel selection	Channel selection	Channel selection
TV/VCR	Switch inputs	Switch inputs	-	-
Special Remarks	1,3	1,3	1,3	1,3

[Special Remarks]

① Only one component can be preset for each mode. If a new code is preset, the previous code is automatically cleared.

③ The CD, VCR or DVD buttons (one only set) can be assigned to the monitor, satellite receiver and cable TV (2) page 63 "Punch Through Function").

		EL Display	
MODE SELECTOR	1	ſŬ	NET / DTU
Device Mode	DEVICE 1	DEVICE 2	DEVICE 1
Device operated	Analog tuner	XM	NET / USB
A ~ G	Preset memory block selection	Preset memory block selection	Preset memory block selection
	Tuning + / —	Channel selection	_
BAND	AM/FM switching	-	_
MODE	Switch search modes	-	_
MEMO	Preset memory registration	Preset memory registration	Preset memory registration
		Buttons	
$\bigtriangleup \ \lor \ \bigtriangleup \ \trianglerighteq$	_	Category search	Cursor
ENTER	_	-	Enter, Playback/Pause
SEARCH	_	Direct search	Search
CH + / -	Preset channel selection	Preset channel selection	Preset channel selection
0 ~ 9	Preset channel selection (1 ~ 8)	Preset channel selection (1 ~ 8) / Direct channel search (0 ~ 9)	Preset channel selection (1 ~ 8)
SHIFT	Switch memory block	Switch memory block	Switch memory block

Getting Started

Connections

Setup

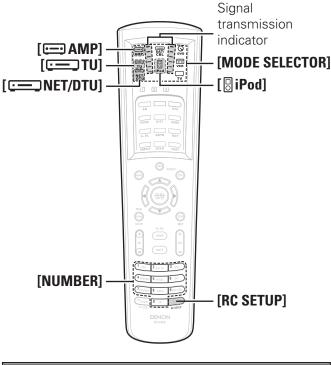
Playback

Remote Control

Multi-Zone

Information

Troubleshooting



Setting the Remote ID

When using multiple DENON AV receivers in the same room, make this setting so that only the desired AV receiver operates.

1 Press [AMP] to set the main remote control unit to the AMP mode.

2 Press and hold in [RC SETUP] for at least 3 seconds. The signal transmission indicator flashes twice.

- **•** Refer to the table at the right, and use [NUMBER] to
- **J** input the 5-digit number corresponding to the remote ID to be changed.

The signal transmission indicator flashes twice.

4 Press **[TU]**, **[iPod]** or **[NET/DTU]** to select the mode to be set.

5 Repeat steps 2 to 4 to set the remote IDs for all modes.

MODE SELECTOR		TUT	NER		NET/DTU
Remote ID	AMP (MAIN) 81001	DEVICE1 (Analog TUNER)	DEVICE2 (XM)	iPod	DEVICE1 (Net Audio / USB)
1 (Default)	81001	52863	52864	72815	62865
2	82001	52795	52812	72816	62837
3	83001	52800	52813	72817	62838
4	84001	52805	52814	72818	62839

NOTE

- When changing a setting, be sure to set the same remote ID as the AVR-3808CI's (1) page 36).
- When changing the AMP mode's remote ID, also change the "TUNER", "iPod" and "NET/DTU" remote ID at the same time.
- Set the remote ID of an analog tuner for "TUNER" "DEVICE1", the XM remote ID for "DEVICE2".

Learning Function

If your AV devices are of a brand other than DENON or if they cannot be operated with the preset memory function, their remote control signals can be transfered to stored in the AVR-3808CI's main remote control unit.

1 Press [MODE SELECTOR] for the device you want to set.

2 Press and hold in [RC SETUP] for at least 3 seconds. The signal transmission indicator flashes twice.

• Press [9], [7] and [5], in that order.

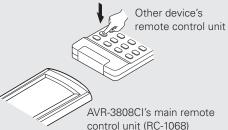
The signal transmission indicator flashes twice and the learning mode is set.

Press the button to be set.

The main remote control unit's display turns off.

* If a button that cannot be learned is pressed, the signal transmission indicator lights but the signal is not learned.

5 Point the main remote control units directly at each other and press and hold the button on the other device's remote control unit that you want to learn. Once learning is completed normally, the display lights and the signal transmission indicator flashes twice.



※ If you want to learn other buttons, repeat steps 4 and 5.
※ The mode can be switched by pressing [MODE SELECTOR].
※ The signal transmission indicator lights once for a long time if learning was not possible

Press and hold in [RC SETUP] for at least 3 seconds.

• The signal transmission indicator flashes twice and the setting is completed.

- With some remote control units, the signals cannot be learned or the device will not operate properly even when the signals have been learned. In this case, use the device's own remote control unit.
- Learned buttons have priority over the preset memory. If you no longer need the learned setting, reset the learning function (1277) page 64).

NOTE

- [HOME] cannot be learned.
- Do not learn any remote control signals at [RC SETUP].
- The AMP, ZONE2, ZONE3, ZONE4 and SYSTEM CALL modes cannot be learned.

Getting Started

Connections

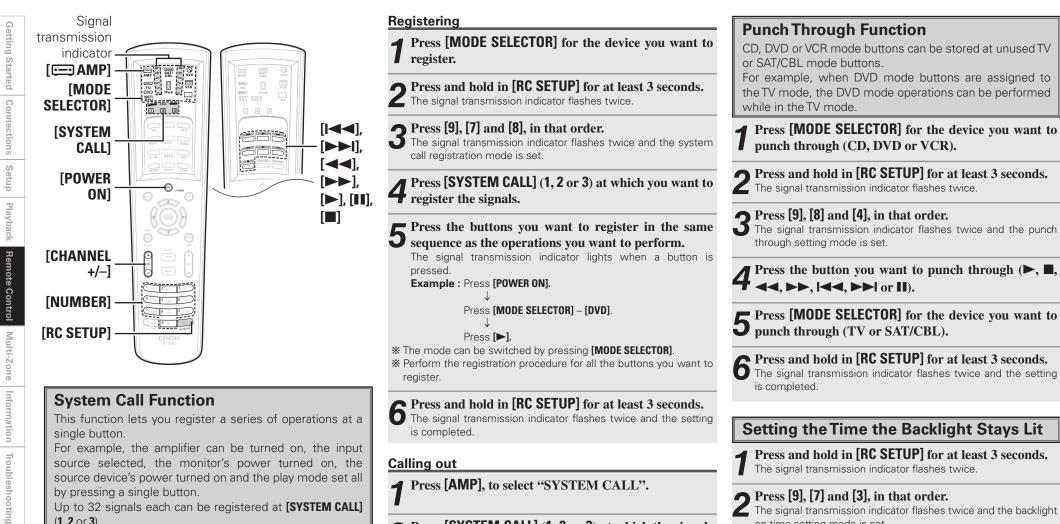
Setup

Playback

Remote Control

Multi-Zone Information

Troubleshooting



Up to 32 signals each can be registered at [SYSTEM CALL] (1.2 or 3).

• Press [SYSTEM CALL] (1, 2 or 3) at which the signals were registered.

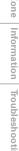
The registered signals are transmitted in the registered sequence.

on time setting mode is set.

3 Set the light on time. The signal transmission indicator flashes twice. [Settable times] : [1] : 5 sec.

- [2]: 10 sec. (Default)
- [3]: 15 sec.
- [4]: 20 sec. [5]: 25 sec.

Getting Started Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting



64

Adjusting the Backlight's Brightness

The display's brightness can be adjusted in 5 steps. (Default: Step 3)

Press and hold in [RC SETUP] for at least 3 seconds. The signal transmission indicator flashes twice.

▲ Press [CHANNEL +] or [CHANNEL –]. The display gets one step brighter when [+] is pressed. The display gets one step darker when [-] is pressed.

3 Press [**RC SETUP**] to complete the setting.

Resetting the Main Remote Control Unit

Learning Function

[Resetting button by button]

Press [MODE SELECTOR] for the device you want to reset.

• Press and hold in [RC SETUP] for at least 3 seconds. Z The signal transmission indicator flashes twice.

• Press [9], [7] and [6], in that order. 3 The signal transmission indicator flashes twice.

Press the button you want to reset twice. The signal transmission indicator flashes twice.

[Resetting by device mode]

Press [MODE SELECTOR] for the device you want to reset.

• Press and hold in [RC SETUP] for at least 3 seconds.

The signal transmission indicator flashes twice.

• Press [9], [7] and [6], in that order.

The signal transmission indicator flashes twice.

Press [MODE SELECTOR] for the device you want to **T**reset twice.

The signal transmission indicator flashes twice.

System Call Function

Press and hold in [RC SETUP] for at least 3 seconds. 4

The signal transmission indicator flashes twice.

• Press [9], [7] and [8], in that order. The signal transmission indicator flashes twice.

3 Press [SYSTEM CALL] (1, 2 or 3) you want to reset.

Press and hold in [RC SETUP] for at least 3 seconds. The signal transmission indicator flashes twice.

Punch Through Function

Press [MODE SELECTOR] for the device you want to reset (TV or SAT/CBL).

• Press and hold in [RC SETUP] for at least 3 seconds. Z The signal transmission indicator flashes twice.

3 Press [9], [8] and [4], in that order. The signal transmission indicator flashes twice.

Press and hold in [RC SETUP] for at least 3 seconds. **4** The signal transmission indicator flashes twice.

All Settings

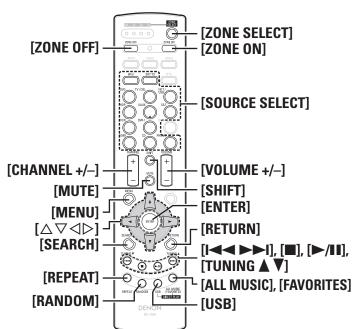
Press and hold in [RC SETUP] for at least 3 seconds. 4 The signal transmission indicator flashes twice.

Press [9], [8] and [1], in that order. The signal transmission indicator flashes 4 times. All the settings are restored to their defaults.



Sub Remote Control Unit Operations

- The sub remote control unit is equipped with frequently used buttons, so it can be used for simple remote control unit operations.
- The sub remote control unit can also be used for multizone, so you can use it to control the AVR-3808Cl from other rooms.
- The operations listed below can be performed with the sub remote control unit.
- Switching the input source
- Adjusting the volume
- Tuner (AM/FM), XM and iPod operations
- NET/USB direct play
- GUI menu and ZONE2 on-screen display operationsZone power on/off
- It is not possible to operate devices other than the amplifier.



Functions of Buttons by Component

Device operated		V / CBL, DVR1 Sat, CD, Phon	, VCR, V.AUX, 10		TUNER (AM/FM)			SAT TU (XM)			
Zone selection	м	Z2	Z3	М	Z2	Z3	M	Z2	Z3		
ZONE SELECT	Zone ope	eration mode	selection	Zone ope	eration mode	e selection	Zone ope	eration mode	selection		
ZONE OFF	Pow	er turned off	(※1)	Pow	ver turned of	f (※1)	Pow	er turned off	(※1)		
ZONE ON	Pow	ver turned on	(※1)	Pow	ver turned or	n (※ 1)	Pow	er turned on	(※1)		
SOURCE SELECT	Input s	ource select	ion (※ 2)	Inpu	t source sel	ection	Inpu	t source sele	ction		
CHANNEL + / -		_		Prese	et channel se	election	Prese	Preset channel selection			
SHIFT	-			Preset channel memory block selection			Preset channel memory block selection				
VOLUME + / -	Adjustr	ment of volu	me (※ 1)	Adjust	ment of volu	me (※ 1)	Adjustment of volume (%1)				
MUTE		Muting (% 1)			Muting (% 1)	Muting (% 1)				
MENU	Sele	ected zone m	nenu	Sel	ected zone r	nenu	Sele	ected zone m	ienu		
${\vartriangle} \ {\bigtriangledown} \ {\circlearrowright} \ {\circlearrowright} \ {\circlearrowright}$		-			-		C	ategory sear	ch		
I⊲⊲ ►►I, TUNING ▲ ▼		-			Tuning		Channel selection		ion		
USB		% 2			*2			% 2			
ALL MUSIC * (Music server only)		*3			*3			*3			
FAVORITES *		※ 4			※ 4			※ 4			

*1: Affects the currently selected zone.

*2: The input source switches to "NET/USB" and the files on the USB memory device are played.

*3: The input source switches to "NET/USB" and the files in "All Music" on the music server are played.

*4: The input source switches to "NET/USB" and the files in "Favorites" are played.

*: Whether "All Music" or "Favorites" is selected depends on the "Direct Play" setting (B page 40).

DIRECT PLAY button

• Playback is possible in the mode selected at GUI menu "Source Select" – "NET/USB" – "Playback Mode" – "Direct Play".

FAVORITES: Playback starts from the first track registered in the favorites.

- ALL MUSIC: Playback starts from the first track registered in the "All Music" folder.
- When [USB] is pressed, playback starts from the first track on the USB memory device.

NOTE

When the music server is stopped or restarted, it may no longer be possible to play tracks stored in the favorites.

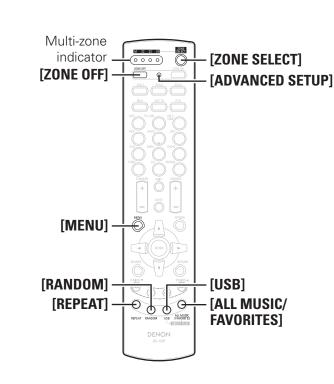
Device operated		NET / USB			iPod			
Zone selection	м	Z2	Z3	M				
ZONE SELECT	Zone ope	eration mode	e selection	Zone op	eration mode	selection		
ZONE OFF	Pow	/er turned of	f (※1)	Pov	ver turned off	(※1)		
ZONE ON	Pow	/er turned or	ר (%1)	Pov	ver turned on	(※1)		
SOURCE SELECT	Input s	ource selec	tion (% 2)	Inp	ut source seled	ction		
CHANNEL + / -	Prese	et channel se	election		_			
SHIFT	Preset o	hannel men selection	nory block		-			
VOLUME + / -	Adjust	ment of volu	ime (% 1)	Adjustment of volume (%1) Muting (%1) Selected zone menu				
MUTE		Muting (% 1)		Muting (% 1)			
MENU	Sel	ected zone r	menu	Sel	ected zone m	ienu		
$\bigtriangleup \ \bigtriangledown \ \bigtriangleup \ \vartriangleright$		- ile operatio	ns	File operations				
ENTER		- ile operatio	ns		File operation	S		
SEARCH		e forward so haracter sea		Browse/F	e forward scr Remote mode press and hol	switching		
RETURN		- ile operatio	ns		_			
I⊲⊲ ►►I, TUNING ▲ ▼		Track searc	h		Track search			
		Stop			Stop			
►/II		Play/pause	•		Play/pause			
REPEAT	1-track/All	-track repeat	t play (USB)	1-track	All-track repe	eat play		
RANDOM	1-track	k random pla	iy (USB)	1-trac	k/album shuff	le play		
USB		% 2			% 2			
ALL MUSIC * (Music server only)		*3			*3			
FAVORITES *		※ 4			*4			

※1: Affects the currently selected zone.

*2: The input source switches to "NET/USB" and the files on the USB memory device are played.*3: The input source switches to "NET/USB" and the files in "All Music" on the music server are played.

*: Whether "All Music" or "Favorites" is selected depends on the "Direct Play" setting (P page 40).

Getting Started
Connections
Setup
Playback
Remote Control
Multi-Zone
Information
Troubleshooting



Switching Zones

Use this procedure to select the zone to be operated by the sub remote control unit.

Press [ZONE SELECT].

The currently selected multi-zone indicator lights.

2 While the multi-zone indicator is light, press [ZONE SELECT] to select the zone to be operated. The currently selected multi-zone indicator lights.

Setting the Zone for Which the Sub Remote Control Unit is Used (ZONE SELECT LOCK Mode)

We recommend always using the sub remote control unit for the same room. When this is done, the unit can be set so that the zone does not switch when buttons are operated.

1 Use the tip of a pen to press [ADVANCED SETUP]. All the multi-zone indicators light.

9 Select the multi-zone to be set.

The selected multi-zone indicator lights.

①To set to main zone: Press [REPEAT].②To set to ZONE2: Press [RANDOM].③To set to ZONE3: Press [USB].

3 Use the tip of a pen to press [ADVANCED SETUP]. The multi-zone indicator turns off.

To Cancel

1 Use the tip of a pen to press [ADVANCED SETUP]. The currently selected multi-zone indicator lights.

2 Press [ZONE SELECT]. All the multi-zone indicators light.

3 Use the tip of a pen to press [ADVANCED SETUP]. The multi-zone indicator turns off.

Setting the Remote ID

When using multiple DENON AV receivers in the same room, make this setting so that no AV receiver other than the desired one operates.

1 While pressing [MENU], press [ADVANCED SETUP] with the tip of a pen.

The multi-zone indicator corresponding to the currently selected remote ID flashes.

2 Select the remote ID to be set.

 To set to 1 : Press [REPEAT]. The "M" indicator flashes.
 To set to 2 : Press [RANDOM]. The "Z2" indicator flashes.
 To set to 3 : Press [USB]. The "Z3" indicator flashes.
 To set to 4 : Press [ALL MUSIC/FAVORITES]. The "Z4" indicator flashes.

2 While pressing [MENU], press [ADVANCED SETUP]

5 with the tip of a pen. The multi-zone indicator turns off.

NOTE

When changing a setting, be sure to set the same remote ID as the AVR-3808CI's (\square page 36).

Resetting the Settings

While pressing [ZONE OFF], press [ADVANCED SETUP] with the tip of a pen.

All the multi-zone indicators flash 4 times, then all the settings are restored to their defaults.

Getting Started

Connections

Setup

Playback

Remote Control

Amp Assign / Multi Zone Connections and Operations

The AVR-3808CI is compatible with the following types of playback:

- Multi-zone playback (ZONE2 & ZONE3)
- Bi-amp playback (front speaker)

NOTE

- For bi-amp playback, use speakers compatible with that type of connection.
- When conducting bi-amp playback, remove the short-circuiting boards (or wires) from the speaker terminals.

Multi-Zone Settings with the Amp Assign Function

The amp assign function lets you assign the amplifiers for the different channels built into the AVR-3808CI to the speaker outputs for the different zones.

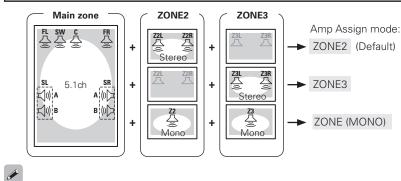
Select the desired playback environment from among "Setting 1" to "Setting 4" then set the corresponding "Amp Assign" mode at GUI menu "Manual Setup" – "Option Setup" – "Amp Assign" (P page 34). Connect the speakers as described at "Speaker connections".

"Setting 3" is possible to switch the Amp Assign mode between the 5.1-channel mode and 2-channel mode without changing the speaker connections.

Setting 1 :

Multi-zone playback

- 5.1-channel playback + ZONE2 or ZONE3 stereo playback
- 5.1-channel playback + ZONE2 monaural playback + ZONE3 monaural playback



- "Stereo" or "Mono" depends on the setting at GUI menu "Manual Setup" "Zone Setup" "Channel" (1) page 34).
- \bullet Both A and B can be installed for SR and SL.

□ Speaker connections

Speaker terminal	FRC	DNT	CENTER	SURR-A		SURR-B		SURR. BACK / AMP ASSIGN	
	R L		L		L	R	L	R	L
Speaker to connect	FR	FL	С	SR-A	SL-A	SR-B	SL-B		Z2L Z3L Z2 (MONO)

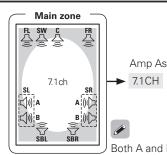
Channels outputting to the various speaker terminals

Speaker terminal	FRC	ONT CENTER		SUF	SURR-A		-A SURR-B		SURR. BACK / AMP ASSIGN	
Amp Assign mode	R	L		R	L	R	L	R	L	
ZONE2			С		SL-A	SR-B	SL-B	Z2R	Z2L	
ZONE3	FR	FL		SR-A				Z3R	Z3L	
ZONE (MONO)		. –						Z3 (MONO)	Z2 (MONO)	

Getting Started

Connections

Setting 2 : •7.1-channel playback



Amp Assign mode:

Both A and B can be installed for SR and SL.

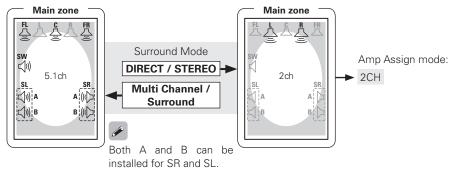
Speaker connections

Speaker terminal	FRONT		CENTER	SURR-A		SURR-B		SURR. BACK / AMP ASSIGN	
	R	L		R	L	R	L	R	L
Speaker to connect	FR	FL	С	SR-A	SL-A	SR-B	SL-B	SBR	SBL

Channels outputting to the various speaker terminals

Speaker terminal	FRONT		CENTER	SURR-A		SURR-B		SURR. BACK / AMP ASSIGN	
Amp Assign mode	R	L		R	L	R	L	R	L
7.1CH	FR	FL	С	SR-A	SL-A	SR-B	SL-B	SBR	SBL

Setting 3: With this setting it is possible to switch between the following two playback modes. •5.1-channel playback



Speaker connections

Speaker terminal	FRONT		CENTER	SURR-A		SURR-B		SURR. BACK / AMP ASSIGN	
	R	L		R	L	R	L	R	L
Speaker to connect	FR	FL	С	SR-A	SL-A	SR-B	SL-B	R	L

Channels outputting to the various speaker terminals

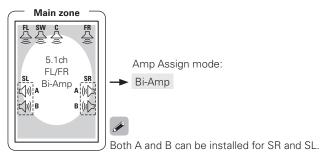
Speaker terminal Amp Assign mode	Status	FRC	DNT	CENTER	SURR-A		SURR-B		SURR. BACK / AMP ASSIGN		
		Surround Mode	R	L		R	L	R	L	R	L
20		DIRECT / STEREO	_	_	-	_	_	_	-	R	L
	2CH	Multi Channel / Surround	FR	FL	С	SR-A	SL-A	SR-B	SL-B	_	-

Setting 4 :

• Making bi-amp connections for the FL and FR channels in the main zone

and conducting 5.1-channel playback

(switching with other modes not possible)



Speaker connections

Speaker terminal	FRC	DNT	CENTER	SUF	≀R-A	SUF	≀R-B		BACK / ASSIGN
	R	L		R	L	R	L	R	L
Speaker to connect	FR	FL	С	SR-A	SL-A	SR-B	SL-B	FR FL/FR I conne	FL Bi-Amp ection

Channels outputting to the various speaker terminals

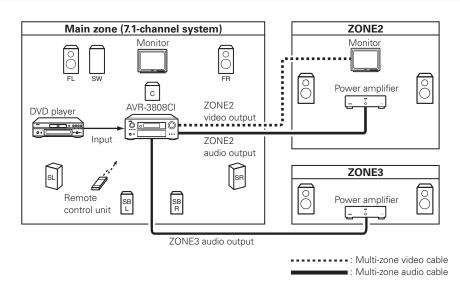
Speaker terminal	FRC	DNT	CENTER	SUF	≀R-A	SUF	R-B	SURR. AMP A	
Amp Assign mode	R	L		R	L	R	L	R	L
Bi-Amp	FR	FL	С	SR-A	SL-A	SR-B	SL-B	FR FL/FR E conne	

Multi-Zone Settings and Operations with Zone Pre-out Output

Prepare power amplifiers for ZONE2 and ZONE3.

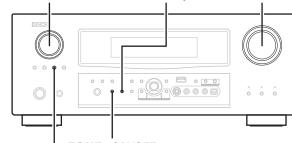
<u>(</u>

	Connectors for audio output	Audio signals	Connectors for video output
ZONE2	ZONE2 PRE OUT	Stereo	ZONE2 VIDEO OUT
ZONE3	ZONE3 PRE OUT	Stereo	_

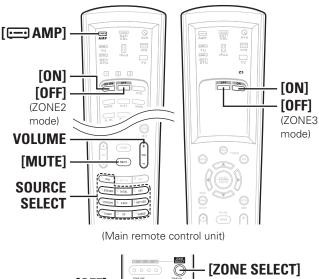


When only using one speaker for ZONE2 or ZONE3, set to "Mono". In this case, the ZONE2 (ZONE3) monaural output is output from the ZONE2 (ZONE3) pre-out L and R connectors, so connect as desired.
 Separate power amplifiers are needed for ZONE2 and ZONE3.

<SOURCE SELECT> <ZONE3 ON/OFF> <VOLUME>



<ZONE2 ON/OFF> <ZONE2/3 / REC SELECT>



[**OFF**] [**ON**] SOURCE SELECT

Turning the Power On and Off (Operation on the main unit)

Press <ZONE2 ON/OFF>. <ZONE3 ON/OFF> for the zone to be operated. When the power turns on, the multi-zone indicator lights on the display.

[Operation on the remote control unit]

In the zone mode you want to operate, press [ON] or [OFF].

Selecting the Input Source

Multi-Zone Operations

[Operation on the main unit]

(1) Press <**ZONE2/3 / REC SELECT>** and select the zone to be adjusted. (2) Turn <SOURCE SELECT>.

[Operation on the remote control unit]

In the zone mode you want to operate, press [SOURCE SELECT].

Adjusting the Volume

[Operation on the main unit]

1) Press <ZONE2/3 / REC SELECT> and select the zone to be adjusted. 2 Turn **<VOLUME>** to adjust.

[Operation on the remote control unit]

In the zone mode whose volume you want to adjust, press [VOLUME].

[Variable range] --- -70dB ~ -40dB ~ +18dB

The volume can be adjusted when GUI menu "Manual Setup" - "Zone Setup" - "(select the zone)" - "Volume Level" is set to "Variable". The volume can be increased up to the value set at GUI menu "Manual Setup" - "Zone Setup" - "(select the zone)" - "Volume Limit" (🕼 page 34).

Turning off the Sound Temporarily

In the zone mode for which you want to mute the sound, press [MUTE].

The sound is reduced to the level set at GUI menu "Manual Setup" - "Zone Setup" - "(select the zone)" - "Mute Level" (@ page 34). To cancel, either adjust the volume or press [MUTE] again. The setting is canceled when the zone's power is turned off.

- The source selected for ZONE2 is also output from the recording output connectors.
- For ZONE2, the "Zone Setup" can be made while watching the onscreen display. Also, when ZONE3 is operated, the on-screen display appears on the ZONE2 monitor, so operation can be performed watching this on-screen display.

ZONE2 MENU)	
INPUT : DVD SIGNAL : ANALOG VOL. : -40dB >Bass Treble HPF Lch Lev. Rch Lev.	0 d B 0 d B 0 d B 0 d B 0 d B 0 d B	ZONE2 MENU Channel Vol. Lev. Vol. Limit P. On Lev. Mute Lev.	<pre> STEREO VAR VAR LAST FULL </pre>

- When the input source to which the digital input connectors (OPTICAL/COAXIAL) are assigned is selected in ZONE2 or ZONE3, playback is only possible if the digital signal being input is in PCM (2-channel) format.
- Digital audio signals input from the DENON LINK or HDMI connectors cannot be played in multi-zone.
- When certain digital signals are being input, noise may be output from the ZONE2 and ZONE3 audio output connectors.
- When "DENON LINK" is assigned at the GUI menu "Assign" setting, the PCM signals, network audio signals (Internet radio, music server and USB). XM signals input from the digital input connectors cannot be output from the ZONE2 and ZONE3 audio output connectors.





- < > : Buttons on the main unit
- [] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

Information

Troubleshooting

Getting Started

Connections

Other Information

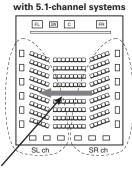
About Speaker Installation

Surround back speakers

Sound positioning directly to the rear can be achieved easily by adding a surround back speaker to a 5.1-channel system.

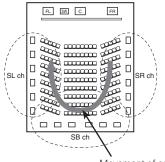
In addition, the acoustic image extending between the sides and the rear is narrowed, thus greatly improving the expression of the surround signals for sounds moving from the sides to the back and from the front to the point directly behind the listening position.

Change of positioning and acoustic image



Movement of acoustic image from SR to SL

Change of positioning and acoustic image with 6.1-channel systems



Movement of acoustic image from SR to SB to SL

In addition to sources recorded in 6.1-channels, the surround effect of conventional 2- to 5.1-channel sources can also be enhanced.

Number of surround back speakers

We recommend using 2 speakers. When using dipolar speakers in particular, be sure to use 2 speakers.

Placement of the surround left and right channels when using surround back speakers

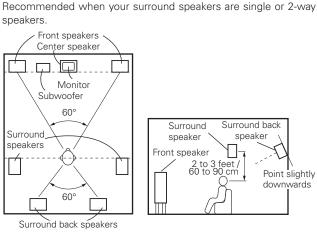
We recommend installing the speakers for the surround "L" and "R" channels a bit forward.

Examples of speaker layouts

Below we introduce examples of speaker layouts. Refer to these to arrange your speakers according to their type and how you want to use them.

[1] Using surround back speaker(s)

1) When mainly playing movies



[As seen from above]

[As seen from the side]

② Setting for primarily watching movies using diffusion type speakers for the surround speakers

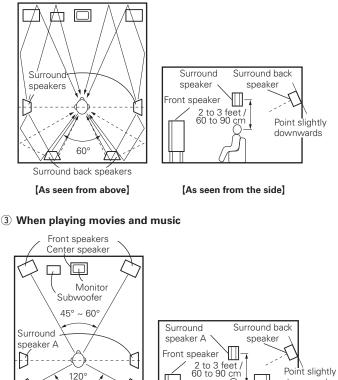
For the greatest sense of surround sound envelopment, diffuse radiation speakers such as bipolar types, or dipolar types, provide a wider dispersion than is possible to obtain from a direct radiating speaker (monopolar). Place these speakers at either side of the prime listening position, mounted above ear level.

Path of the surround sound from the speakers to the listening position

Surround back

speaker

Surround speaker B [As seen from above]





Getting Started

Connections

Setup

Playback

Remote Control

Multi-Zone

72

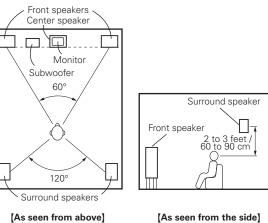
downwards

Surround

speaker B

[As seen from the side]

[2] When not using surround back speakers



Surround

The AVR-3808CI is equipped with a digital signal processing circuit that lets you play program sources in the surround mode to achieve the same sense of presence as in a movie theater.

Dolby Surround

Dolby Digital

Dolby Digital is a multi-channel digital signal format developed by Dolby Laboratories.

A total of 5.1-channels are played: 3 front channels ("FL", "FR" and "C"), 2 surround channels ("SL" and "SR") and the "LFE" channel for low frequencies.

Because of this, there is no crosstalk between channels and a realistic sound field with a "three-dimensional" feeling (sense of distance, movement and positioning) is achieved.

A real, overpowering sense of presence is achieved when playing movie sources in AV rooms as well.

Dolby Digital Plus

Dolby Digital Plus is an improved Dolby Digital signal format that is compatible with up to 7.1-channels of discrete digital sound and also improves sound quality thanks to extra data bit rate performance. It is upwardly compatible with conventional Dolby Digital, so it offers greater flexibility in response to the source signal and the conditions of the playback equipment.

Dolby TrueHD

Dolby TrueHD is a high definition audio technology developed by Dolby Laboratories, using lossless coding technology to faithfully reproduce the sound of the studio master.

This format is compatible with a maximum sampling frequency of 96 kHz and up to 7.1-channels, so it is used for applications particularly prioritizing sound quality.

Dolby Pro Logic II

Dolby Pro Logic $\ensuremath{I\!I}$ is a matrix decoding technology developed by Dolby Laboratories.

Regular music such as that on CDs is encoded into 5-channels to achieve an excellent surround effect.

The surround channel signals are converted into stereo and full band signals (with a frequency response of 20 Hz to 20 kHz or greater) to create a "three-dimensional" sound image offering a rich sense of presence for all stereo sources.

Dolby Pro Logic IIx

Dolby Pro Logic $I\!Ix$ is a further improved version of the Dolby Pro Logic $I\!I$ matrix decoding technology.

Audio signals recorded in 2-channels are decoded to achieve a natural sound with up to 7.1-channels.

There are 3 modes: "Music" suited for playing music, "Cinema" suited for playing movies, and "Game" which is optimized for playing games.

Dolby Digital EX

Dolby Digital EX is a 6.1-channel surround format proposed by Dolby Laboratories that allows users to enjoy in their homes the "DOLBY DIGITAL SURROUND EX" audio format jointly developed by Dolby Laboratories and Lucas Films.

The 6.1 channels of sound, including surround back channels, provide improved sound positioning and expression of space.

※ Sources recorded in Dolby Surround

Sources recorded in Dolby Surround are indicated with the following logo marks.

Dolby Surround support mark : DC DOLBY SURROUND

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

DTS Surround

DTS Digital Surround

/DTS Digital Surround is the standard digital surround format of DTS, Inc., compatible with a sampling frequency of 44.1 or 48 kHz and up to 5.1-channels of digital discrete surround sound.

DTS-HD High Resolution Audio

DTS-HD High Resolution Audio is an improved version of the conventional DTS, DTS-ES and DTS 96/24 signals formats, compatible with sampling frequencies of 96 or 48 kHz and up to 7.1-channels of discrete digital sound. High data bit rate performance provides high quality sound. This format is fully compatible with conventional products, including conventional DTS digital surround 5.1-channel data.

DTS-HD Master Audio

DTS-HD Master Audio is DTS, Inc's lossless audio format compatible with up to 96 kHz/7.1-channels. The lossless audio coding technology faithfully reproduces the sound of the studio master. It is fully compatible with conventional products, including conventional DTS digital surround 5.1-channel data.

DTS-ES[™] Discrete 6.1

DTS-ES[™] Discrete 6.1 is a 6.1-channel discrete digital audio format adding a surround back (SB) channel to the DTS digital surround sound. Decoding of conventional 5.1-channel audio signals is also possible according to the decoder.

DTS-ES[™] Matrix 6.1

DTS-ES[™] Matrix 6.1 is a 6.1-channel discrete digital audio format inserting a surround back (SB) channel to the DTS digital surround sound through matrix encoding. Decoding of conventional 5.1-channel audio signals is also possible according to the decoder.

DTS NEO:6[™] Surround

DTS NEO:6TM is a matrix decoding technology for achieving 6.1channel surround playback with 2-channel sources. It includes "DTS NEO:6 CINEMA" suited for playing movies and "DTS NEO:6 MUSIC" suited for playing music.

Getting Started

Connections

DTS 96/24

DTS 96/24 is a digital audio format enabling high sound quality playback in 5.1-channels with a sampling frequency of 96 kHz and 24 bit quantization on DVD-Video.

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol, DTS-HD and DTS-HD Master Audio are trademarks of DTS, Inc.[©] 1996-2007 DTS, Inc. All Rights Reserved.

Neural Surround

Neural Surround[™], a breakthrough in audio technology, will bring the excitement of surround music to more of America's listening audience. It provides the rich envelopment and discrete image detail of surround sound in a format 100 % compatible with stereo. With superior spectral resolution and channel separation, Neural Surround[™] draws the brain's attention to sonic details in musical instruments, vocals, and ambience that are typically masked by other playback systems. This allows the listener to fully experience the richness and subtleties in recorded performance as never before. As the chosen format for XM Satellite Radio's new XM HD surround programming, Neural Surround will help deliver more surround music to more listeners than any other broadcast format, XM Satellite Radio will be the first radio company to broadcast surround sound on the radio 24 hours a day and will offer three channels fully dedicated to Neural Surround™ music. This alone will amount to more than 25.000 hours of Neural Surround™ music each year.



This product is manufactured under license from Neural Audio Corporation.

D&M Holdings Inc. hereby grants the user a non-exclusive, nontransferable, limited license right exercisable to use the NA SURROUND Technology and other US and World Wide Patents Pending technology.

"Neural" and "Neural Audio" and "Neural Surround" are trademarks of Neural Audio Corporation. All Rights Reserved.

Audyssey MultEQ® XT

Audyssey MultEQ[®] XT is a technology designed to provide the optimum listening environment for multiple listeners within the listening area. Test data collected from multiple listening points is analyzed comprehensively and equalization that improves the sound quality for the entire listening area is performed.

Audyssey MultEQ XT not only corrects frequency response problems in large listening areas, it also fully automates the surround system setup.

For a detailed description, see page 25.

Audyssey MultEQ[®] XT is a trademark of Audyssey Laboratories. It is licensed under US and National Patent Applications 20030235318 and 10/700,220. Additional U.S. and Foreign Patents pending. MultEQ XT and the Audyssey MultEQ XT logo are trademarks of Audyssey Laboratories, Inc.. All rights reserved.

HDCD[®] (High Definition Compatible Digital[®])

HDCD[®] is an encoding/decoding technology that greatly reduces the distortion that occurs upon digital recording while maintaining compatibility with the conventional CD format, thus expanding the dynamic range and achieving a high resolution.

Conventional CDs and HDCD compatible CDs are identified automatically to select the optimum digital processing.

LCCD[®], HDCD[®], High Definition Compatible Digital[®] and Microsoft[®] are either registered trademarks or trademarks of Microsoft Corporation, Inc. in the United States and/or other countries. HDCD system manufactured under license from Microsoft Corporation, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114. Other patents pending.

DENON LINK

DENON LINK is a unique digital, balanced transfer type interface developed by DENON. It offers high speed, high quality transfer of digital audio data with low signal loss. It can be used together with DENON DVD players equipped with a special DENON LINK connector using a single cable to enable playback with high sound quality. It allows digital transfer of the 192 kHz/24 bit 2-channel digital signals of DVD-Audio discs, PCM multi-channel signals, etc. Full-spec digital transfer of the audio contents of Super Audio CD is possible by connecting a player equipped for DENON LINK 3rd Edition.

AL24 Processing Plus

AL24 Processing for All Channels

DENON has further developed its proprietary AL24 Processing, an analog waveform reproduction technology, to support the 192 kHz sampling frequency of DVD-Audio. AL24 Processing Plus, thoroughly suppresses quantization noise associated with D/A conversion of LPCM signals to reproduce the low-level signals with optimum clarity that will bring out all the delicate nuances of the music.

Equipped foe not only front left and right channels but also for the surround left and right, center and subwoofer channels.

HDMI (High-Definition Multimedia Interface)

HDMI is a digital interface standard for next generation TVs based on DVI (Digital Visual Interface) standards and optimized for use in consumer equipment.

Non-compressed digital video and multi-channel audio signals are transmitted with a single connection.

HDMI is also compatible with HDCP (High-bandwidth Digital Contents Protection), a technology for protecting copyrights that encrypts digital video signals in the same was as with DVI.

Deep Color

Eliminates on-screen color banding, for smooth tonal transitions and subtle gradations between colors.

Enables increased contrast ratio.

Can represent many times more shades of gray between black and white.

At 30-bit pixel depth, a four times improvement would be the minimum, and the typical improvement would be eight times or more.

xvYCC

Next-generation "xvYCC" color space supports 1.8 times as many colors as existing HDTV signals. Lets HDTVs display colors more accurately. Enables displays with natural, vivid colors.

Lip Sync

Because consumer electronics devices are using increasingly complex digital signal processing to enhance the clarity and detail of the content, synchronization of video and audio in user devices has become a greater challenge and could potentially require complex enduser adjustments. HDMI 1.3 incorporates an automatic video/audio synching capability that allows devices to perform this synchronization automatically with total accuracy.

"HDMI," "HDMI logo" and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Surround Modes and Parameters

				Sig	nals and adju	stability in t	ne different	modes			
Surround Mode		(Channel outp	ut			Parameter (o	default value	s are shown	in parenthese	es)
Surround Mode	Front L/R	Center	Surround L/R	Surround Back L/R	Subwoofer	D. COMP *1	DRC *2	LFE *3	AFDM *1	SB CH Out	Cinema EQ.
PURE DIRECT, DIRECT	0	×	×	×	0	O (OFF)	O (Auto)	○ (0 dB)	×	×	×
DSD DIRECT	0	×	×	×	×	×	×	×	×	×	×
DSD MULTI DIRECT	0	0	0	\bigcirc	0	×	×	🔿 (0 dB)	×	0	×
MULTI CH DIRECT	0	0	O	O	0	×	×	○ (0 dB)	(ON)	0	×
STEREO	0	×	×	×	0	O (OFF)	🔿 (Auto)	🔿 (0 dB)	×	×	×
EXT. IN	0	0	O	O	0	×	×	×	×	×	×
MULTI CH IN	0	0	0	O	0	×	×	🔿 (0 dB)	(ON)	0	×
WIDE SCREEN	0	O	O	O	0	O (OFF)	O (Auto)	○ (0 dB)	×	0	O (OFF)
DOLBY PRO LOGIC IIx	0	0	0	0	0	O (OFF)	O (Auto)	×	×	0	O (NOTE1)
DOLBY PRO LOGIC II	0	0	O	×	0	O (OFF)	O (Auto)	×	×	0	O (NOTE2)
DTS NEO:6	0	0	0	\bigcirc	0	O (OFF)	🔿 (Auto)	×	×	0	O (NOTE1)
DOLBY DIGITAL	0	0	O	\bigcirc	0	O (OFF)	×	○ (0 dB)	(ON)	0	O (OFF)
DOLBY DIGITAL Plus	0	0	0	\bigcirc	0	O (OFF)	×	🔿 (0 dB)	(ON)	0	O (OFF)
DOLBY TrueHD	0	0	0	\bigcirc	0	×	(Auto)	○ (0 dB)	(ON)	0	O (OFF)
DTS SURROUND	0	0	0	\bigcirc	0	O (OFF)	×	🔿 (0 dB)	(ON)	0	O (OFF)
DTS 96/24	0	0	0	\bigcirc	0	O (OFF)	×	○ (0 dB)	(ON)	0	O (OFF)
DTS-HD	0	0	0	\bigcirc	0	O (OFF)	×	🔿 (0 dB)	(ON)	0	O (OFF)
neural	0	0	O	O	0	×	×	×	×	0	×
7CH STEREO	0	0	0	\bigcirc	0	O (OFF)	🔿 (Auto)	🔿 (0 dB)	×	0	×
SUPER STADIUM	0	O	O	O	O	O (OFF)	O (Auto)	○ (0 dB)	×	0	×
ROCK ARENA	0	0	0	\bigcirc	0	O (OFF)	O (Auto)	○ (0 dB)	×	0	×
JAZZ CLUB	0	0	O	O	0	O (OFF)	O (Auto)	○ (0 dB)	×	0	×
CLASSIC CONCERT	0	0	0	0	0	O (OFF)	O (Auto)	🔿 (0 dB)	×	0	×
MONO MOVIE	0	O	O	O	0	(OFF)	O (Auto)	○ (0 dB)	×	0	×
VIDEO GAME	0	0	O	O	0	(OFF)	O (Auto)	🔿 (0 dB)	×	0	×
MATRIX	0	0	0	O	0	O (OFF)	O (Auto)	○ (0 dB)	×	0	×
VIRTUAL	0	×	×	×	O	O (OFF)	🔿 (Auto)	○ (0 dB)	×	×	×

○: Signal / Adjustable

imes : No signal / Not adjustable

© : Turned on or off by speaker configuration setting

NOTE1 : This parameter is availabe when the GUI menu "Parameter" – "Audio" – "Surround Parameters" – "Mode" is set to "Cinema" (12) page 42).

NOTE2 : This parameter is availabe when the GUI menu "Parameter" – "Audio" – "Surround Parameters" – "Mode" is set to "Cinema" or "Pro Logic" (@ page 42).

NOTE:

*1 : When playing Dolby Digital and DTS signals.

*2 : When playing Dolby TrueHD signal.

*3 : When playing Dolby Digital, DTS, DVD-Audio and Super Audio CD.

Getting Started

						Signals	s and adjustabi	lity in the differer	nt modes					
						Paramete	r (default value	s are shown in p	parentheses)					
Surround Mode	Mode	Room Size	Effect Level	Delay Time	Subwoofer	PRO LOGI	IC II/IIx MUSIC	mode only	NEO:6 MUSIC mode only	EXT. IN only	Tone	Night Mode	Room EQ	RESTORER
						Panorama	Dimension	Center Width	Center Image	Subwoofer Att.				
PURE DIRECT, DIRECT	×	×	×	×	0	×	×	×	×	×	×	O (OFF)	(NOTE5)	0
DSD DIRECT	×	×	×	×	0	×	×	×	×	×	×	×	×	×
DSD MULTI DIRECT	×	×	×	×	×	×	×	×	×	×	×	×	×	×
MULTI CH DIRECT	×	×	×	×	×	×	×	×	×	×	×	O (OFF)	O (NOTE5)	×
STEREO	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	0
EXT. IN	×	×	×	×	×	×	×	×	×	0	×	×	×	×
MULTI CH IN	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	×
WIDE SCREEN	×	×	(ON, 10)	×	×	×	×	×	×	×	(0 dB)	O (OFF)	O (OFF)	0
DOLBY PRO LOGIC IIx	🔿 (Cinema)	×	×	×	×	O (OFF)	(3)	(3)	×	×	(0 dB)	O (OFF)	O (OFF)	0
DOLBY PRO LOGIC II	🔘 (Cinema)	×	×	×	×	O (OFF)	(3)	(3)	×	×	(0 dB)	O (OFF)	O (OFF)	0
DTS NEO:6	O (Cinema)	×	×	×	×	×	×	×	(0.3)	×	(0 dB)	O (OFF)	(OFF)	0
DOLBY DIGITAL	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	×
DOLBY DIGITAL Plus	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	×	O (OFF)	×
DOLBY TrueHD	×	×	×	×	×	×	×	×	×	×	(0 dB)	×	O (OFF)	×
DTS SURROUND	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	×
DTS 96/24	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	×
DTS-HD	×	×	×	×	×	×	×	×	×	×	(0 dB)	×	O (OFF)	×
neural	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	0
7CH STEREO	×	×	×	×	×	×	×	×	×	×	(0 dB)	O (OFF)	(OFF)	0
SUPER STADIUM	×	O (Medium)	(10)	×	×	×	×	×	×	×	O (NOTE3)	O (OFF)	(OFF)	0
ROCK ARENA	×	O (Medium)	(10)	×	×	×	×	×	×	×	O (NOTE4)	O (OFF)	O (OFF)	0
JAZZ CLUB	×	O (Medium)	(10)	×	×	×	×	×	×	×	(0 dB)	O (OFF)	(OFF)	0
CLASSIC CONCERT	×	O (Medium)	(10)	×	×	×	×	×	×	×	(0 dB)	O (OFF)	(OFF)	0
MONO MOVIE	×	O (Medium)	(10)	×	×	×	×	×	×	×	(0 dB)	O (OFF)	(OFF)	0
VIDEO GAME	×	O (Medium)	(10)	×	×	×	×	×	×	×	(0 dB)	O (OFF)	(OFF)	0
MATRIX	×	×	×	(30 ms)	×	×	×	×	×	×	(0 dB)	O (OFF)	O (OFF)	0
VIRTUAL	×	×	×	×	×	×	×	×	×	×	○ (0 dB)	O (OFF)	O (OFF)	0

○: Signal / Adjustable

 \times : No signal / Not adjustable NOTE3 : BASS +6 dB, TREBLE 0 dB

NOTE4 : BASS +6 dB, TREBLE +4 dB

NOTE5 : Can be used according to the "Direct Mode" setting.

Troubleshooting

Differences in Surround Mode Names Depending on the Input Signals

Button											Input s	signals									
	1			WMA	D	TS-HD		DTS			· · ·	LBY		D	OLBY DIGITAL			DVD-AL	JDIO	Super A	Audio CD
Surround Mode	Note	ANALOG	LINEAR PCM / WAV	(Windows Media Audio) / MP3 / MPEG-4 AAC / FLAC	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1/5/4ch)	DOLBY DIGITAL (4/3ch)	DOLBY DIGITAL (2ch)	DVD-Audio (multi ch)	DVD- Audio (2ch)	DSD (multi ch)	DSD (2ch)
STANDARD																					
DTS SURROUND	1																				
DTS-HD MSTR	1	×	×	×		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
DTS-HD HI RES		×	×	×	×		×	×	×	×	×	×	×	×	×	×	×	×	×	\times	×
DTS ES DSCRT6.1	*1	×	×	×	×	×		×	×	×	×	×	×	×	×	×	×	×	×	×	×
DTS ES MTRX6.1	*1	×	×	×	×	×	×		×	×	×	×	×	×	×	×	×	×	×	\times	×
DTS SURROUND		×	×	×	×	×	0	0		×	×	×	×	×	×	×	×	×	×	\times	×
DTS 96/24		×	×	×	×	×	×	×	×		×	×	×	×	×	×	×	×	×	\times	×
DTS (-HD) + PLIIx CINEMA	*2	×	×	×	0	0	0	0	0	0	×	×	×	×	×	×	×	×	×	×	×
DTS (-HD) + PLIIx MUSIC	*1	×	×	×	0	0	0	0	0	0	×	×	×	×	×	×	×	×	×	\times	×
DTS (-HD) + NEO:6	*1	×	×	×	0	0	×	0	0	0	×	×	×	×	×	×	×	×	×	\times	×
DTS NEO:6 CINEMA		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	0
DTS NEO:6 MUSIC		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	0
DOLBY SURROUND	1																				
DOLBY TrueHD	1	×	×	×	×	×	×	×	×	×		×	×	×	×	×	×	×	×	\times	×
DOLBY DIGITAL+		×	×	×	×	×	×	×	×	×	×		×	×	×	×	×	×	×	×	×
DOLBY DIGITAL EX	*1	×	×	×	×	×	×	×	×	×	×	×	0	0	0	0	×	×	×	×	×
DOLBY (D+) (HD) + EX	*1	×	×	×	×	×	×	×	×	×	0	0	×	×	×	×	×	×	×	\times	×
DOLBY DIGITAL		×	×	×	×	×	×	×	×	×	×	×	0		•		×	×	×	\times	×
DOLBY (D) (D+) (HD) + PLIIx CINEMA	*2	×	×	×	×	×	×	×	×	×	0	0		0	0	0	×	×	×	×	×
DOLBY (D) (D+) (HD) + PLIIx MUSIC	*1	×	×	×	×	×	×	×	×	×	0	0	0	0	0	0	×	×	×	×	×
DOLBY PRO LOGIC IIx CINEMA		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	\times	0
DOLBY PRO LOGIC IIx MUSIC		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	\times	0
DOLBY PRO LOGIC IIx GAME		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	\times	0
DOLBY PRO LOGIC II CINEMA		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	\times	0
DOLBY PRO LOGIC II MUSIC		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	0
DOLBY PRO LOGIC II GAME		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	0
DOLBY PRO LOGIC		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	0
neural		0	0	0	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
MULTI CH IN																					
MULTI CH IN		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×		×	٠	×
MULTI IN + PLIIx CINEMA	*2	×	×	×	×	×	×	×	×	\times	×	×	×	×	×	×	×	0	×	\bigcirc	×
MULTI IN + PLIIx MUSIC	*1	×	×	×	×	×	×	×	×	×	×	\times	×	×	×	×	×	0	×	0	×
MULTI IN + Dolby EX	*1	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×
MULTI CH IN 7.1		\times	×	×	\times	×	×	×	\times	×	×	×	×	×	×	×	×	• (7.1)	×	\times	×

NOTE:

*1: This mode is not available when the surround back speaker setup is set to "None".

*2: This mode is not available when the surround back speaker setup is set to "1spkr" or "None".

- Mode selectable in initial status
- $\ensuremath{\mathbb{O}}$: Mode fixed when "AFDM" is "ON"
- : Selectable mode
- imes : Non-selectable mode
- * : HDMI input only

Getting Started Connections Setup Playback

Button											Input	signals										G
				WMA	DT	S-HD		DT	S		DC	LBY		DC	LBY DIGITAL		_	DVD-	AUDIO	Super A	udio CD	Getting
Surround Mode	Note	ANALOG	LINEAR PCM / WAV	(Windows Media Audio) / MP3 / MPEG-4 AAC / FLAC	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1/5/4ch)	DOLBY DIGITAL (4/3ch)	DOLBY DIGITAL (2ch)	DVD-Audic (multi ch)	DVD-Audio (2ch)	DSD (multi ch)	DSD (2ch)	Started
DIRECT																						Connections
DIRECT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	×	0	×	0	1ect
DSD DIRECT		×	\times	×	×	\times	×	×	×	×	×	\times	×	×	×	×	×	×	×	×	0	tion
DSD MULTI DIRECT		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	
MULTI CH DIRECT		×	×	×	×	\times	\times	×	×	×	×	\times	×	×	×	×	×	0	×	0	×	Setup
M DIRECT + PLIIx CINEMA	*2	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	dn
M DIRECT + PLIIx MUSIC	*1	\times	×	×	×	×	\times	×	×	×	×	×	×	×	×	×	×	0	×	\bigcirc	×	P
M DIRECT + Dolby EX	*1	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	Playback
M DIRECT 7.1		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0 (7.1)	×	×	×	ack
PURE DIRECT																						æ
PURE DIRECT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	×	0	×	0	Remote Control
DSD PURE DIRECT		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	ote
DSD MULTI PURE		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	Con
MULTI CH PURE DIRECT		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	Itro
M PURE D + PLIIx CINEMA	*2	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	
M PURE D + PLIIx MUSIC	*1	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	Multi-Zone
M PURE D + Dolby EX	*1	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	0	×	0	×	ti-Z
M CH PURE DIRECT 7.1		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	○ (7.1)	×	×	×	one
DSP SIMULATION			-		-			-		-		-			-	-				-		
7CH STEREO	*3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	nfor
WIDE SCREEN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	mat
SUPER STADIUM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Information
ROCK ARENA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JAZZ CLUB		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	rou
CLASSIC CONCERT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	bles
		0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	Troubleshooting
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	otin
MATRIX		0				0	0			0	0	0	0	0	0					0	0	Q
VIRTUAL		0	0	0		U	0	0	0	0	0	0	0	0	0	0	0			0	0	
						\bigcirc	\bigcirc			\bigcirc		\bigcirc			\bigcirc			0		0		
STEREO					0	0	0	0	0	0	0	0	0	0	0	0		\cup		0		

NOTE :

*1: This mode is not available when the surround back speaker setup is set to "None".

*2: This mode is not available when the surround back speaker setup is set to "1spkr" or "None".

*3: If the surround back speaker setup is set to "None", then "5CH STEREO" is displayed.

• : Mode selectable in initial status

 \bigcirc : Selectable mode

 \times : Non-selectable mode

About Networks

Windows Media Player ver.11

This is a media player distributed free of charge by Microsoft Corporation.

It can be used to play playlists created with Windows Media Player ver. 11 as well as files in such formats as WMA, DRM WMA, MP3 and WAV.

vTuner

This is a free online contents server for Internet radio. Note that usage fees are included in upgrade costs.

For inquiries about this service, visit the vTuner site below. vTuner website: <u>http://www.radiodenon.com</u>

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Relationship Between Video Signals and Monitor Output

Main zone

Video Convert			Input sig				Monitor				nitor output (when		
video convert		HDMI	COMPONENT	S-VIDEO	VIDEO	HDMI	COMPONENT	S-VIDEO	VIDEO	HDMI	COMPONENT	S-VIDEO	VIDEO
		×	X	×	×	*				* *3	*3	*3	*3
		Х	X	×	0	XIDEO*1	VIDEO*1	VIDEO*1 *4	VIDEO*1 *4	* VIDEO*2	VIDEO*2	VIDEO*2	VIDEO*2
		×	X	0	×	* S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	* S-VIDEO*2	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		×	X	0	0	* S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	* S-VIDEO*2	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		×	(1080p)	X	×	×	COMPONENT	×	×	* *3	*3	*3	*3
		Х	(480p ~ 720p)	×	×	* COMPONENT*1	COMPONENT*1	X	X	* COMPONENT*2	COMPONENT*2	X	X
		Х	(480i/576i)	×	×	* COMPONENT*1	COMPONENT*1	COMPONENT*1	COMPONENT*1	* COMPONENT*2	COMPONENT*2	COMPONENT*2	COMPONENT*2
		X	(1080p)	X	0	* VIDEO*1	COMPONENT	VIDEO*1 *4	VIDEO*1 *4	* VIDEO*2	VIDEO*2	VIDEO*2	VIDEO*2
		X	(480p ~ 720p)	X	0	* COMPONENT*1	COMPONENT*1	X	VIDEO	* COMPONENT*2	COMPONENT*2	Х	VIDEO
		×	(480i/576i)	X	0	* COMPONENT*1	COMPONENT*1	COMPONENT*1	COMPONENT*1	* COMPONENT*2	COMPONENT*2	COMPONENT*2	COMPONENT*
		X	(1080p)	0	×	* S-VIDEO*1	COMPONENT	S-VIDEO*1	S-VIDEO*1	* S-VIDEO*2	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		×	(480p ~ 720p)	0	X	* COMPONENT*1	COMPONENT*1	S-VIDEO	S-VIDEO	* COMPONENT*2	COMPONENT*2	S-VIDEO	S-VIDEO
		X	(480i/576i)	Ō	×	* COMPONENT*1	COMPONENT*1	COMPONENT*1	COMPONENT*1	* COMPONENT*2	COMPONENT*2	COMPONENT*2	COMPONENT*:
		×	(1080p)	Ō	0	* S-VIDEO*1	COMPONENT	S-VIDEO*1	S-VIDEO*1	* S-VIDEO*2	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		Х	(480p ~ 720p)	Ŏ	Ŏ	* COMPONENT*1	COMPONENT*1	S-VIDEO	S-VIDEO	* COMPONENT*2		S-VIDEO	S-VIDEO
		Х	O (480i/576i)	Ŏ	Ŏ	* COMPONENT*1	COMPONENT*1	COMPONENT*1	COMPONENT*1	* COMPONENT*2		COMPONENT*2	COMPONENT*
		0	X	X	X	HDMI	X	X	X	HDMI*2	X	X	X
		Ŏ	X	X	0	HDMI	VIDEO*1	VIDEO*1 *4	VIDEO*1 *4	HDMI*2	VIDEO	VIDEO	VIDEO
		ŏ	X	0	×	HDMI	S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	HDMI*2	S-VIDEO	S-VIDEO	S-VIDEO
		ŏ	X	ŏ	0	HDMI	S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	HDMI*2	S-VIDEO	S-VIDEO	S-VIDEO
		ŏ	(1080p)	×	×	HDMI	COMPONENT	X	X	HDMI*2	COMPONENT	X	X
		ŏ	(480p ~ 720p)	X	×	HDMI	COMPONENT*1	X	X	HDMI*2	COMPONENT	X	X
		ŏ	(480i/576i)	X	×	HDMI	COMPONENT*1	COMPONENT*1	COMPONENT*1	HDMI*2	COMPONENT	COMPONENT	COMPONENT
With HD	мі 🗖	ŏ	(1080p)	X	0	HDMI	COMPONENT	VIDEO*1 *4	VIDEO*1 *4	HDMI*2	COMPONENT	VIDEO	VIDEO
ON monito		ŏ	(480p ~ 720p)	X	ŏ	HDMI	COMPONENT*1	X	VIDEO	HDMI*2	COMPONENT	X	VIDEO
	. –	ŏ	(480i/576i)	X	ŏ	HDMI	COMPONENT*1	COMPONENT*1	COMPONENT*1	HDMI*2	COMPONENT	COMPONENT	COMPONENT
		ŏ	(1080p)	Ö	×	HDMI	COMPONENT	S-VIDEO*1	S-VIDEO*1	HDMI*2	COMPONENT	S-VIDEO	S-VIDEO
		ŏ	(480p ~ 720p)	ŏ	X	HDMI	COMPONENT*1	S-VIDEO	S-VIDEO	HDMI*2	COMPONENT	S-VIDEO	S-VIDEO
		ŏ	(480i/576i)	ŏ	×	HDMI	COMPONENT*1	COMPONENT*1	COMPONENT*1	HDMI*2	COMPONENT	COMPONENT	COMPONENT
		Ŏ	(1080p)	ŏ	0	HDMI	COMPONENT	S-VIDEO*1	S-VIDEO*1	HDMI*2	COMPONENT	S-VIDEO	S-VIDEO
		ŏ	(480p ~ 720p)	ŏ	ŏ	HDMI	COMPONENT*1	S-VIDEO	S-VIDEO	HDMI*2	COMPONENT	S-VIDEO	S-VIDEO
		ŏ	(480i/576i)	ŏ	ŏ	HDMI	COMPONENT*1	COMPONENT*1	COMPONENT*1	HDMI*2	COMPONENT	COMPONENT	COMPONENT
		ŏ	×	×	X	X				X	*3	*3	*3
		<u> </u>	X	X	0	X	VIDEO*1	VIDEO*1 *4	VIDEO*1 *4	X	VIDEO*2	VIDEO*2	VIDEO*2
		<u> </u>	X	Ô	X	X	S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	X	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		<u> </u>	X	<u> </u>	Ô	×	S-VIDEO*1	S-VIDEO*1	S-VIDEO*1	X	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		<u> </u>	(1080p)	×	×	X	COMPONENT	X	X	X	*3	*3	*3
		<u> </u>	(1000p) (480p ~ 720p)	×	×	X	COMPONENT*1	X	X	X	COMPONENT*2	X	×
Without H		ŏ	(480i/576i)	×	×	X	COMPONENT*1	COMPONENT*1	COMPONENT*1	X		COMPONENT*2	
monito	r 🗕	<u> </u>	(1080p)	×	Ô	X	COMPONENT	VIDEO*1 *4	VIDEO *4	X	VIDEO*2	VIDEO*2	VIDEO*2
or		<u> </u>	(1000p) (480p ~ 720p)	×		X	COMPONENT*1	X	VIDEO	X	COMPONENT*2	X	VIDEO
with HD		<u> </u>	(480j ~ 720p) (480i/576i)	×	<u> </u>	X	COMPONENT*1	COMPONENT*1	COMPONENT*1	×	COMPONENT*2		COMPONENT*
monitor	off 🔶	<u> </u>	(1080p)	ô	×	X	COMPONENT	S-VIDEO*1	S-VIDEO*1	X	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
		<u> </u>	(1080p) (480p ~ 720p)	8	×	X	COMPONENT*1	S-VIDEO	S-VIDEO	X	COMPONENT*2	S-VIDEO 2	S-VIDEO 2
	-	<u> </u>	(480j ~ 720p)		×	X	COMPONENT*1	COMPONENT*1	COMPONENT*1	X		COMPONENT*2	
			(1080p)	\sim		X	COMPONENT	S-VIDEO*1	S-VIDEO*1	X	S-VIDEO*2	S-VIDEO*2	S-VIDEO*2
				\sim		X	COMPONENT*1	S-VIDEO	S-VIDEO	X	COMPONENT*2	S-VIDEO 2	S-VIDEO
			(480p ~ 720p)	<u> </u>	\vdash	X		COMPONENT*1	COMPONENT*1	X		COMPONENT*2	
		0	(480i/576i)	0		X	COMPONENT*1	CONFONENT		~	CONFONENT*2	CONFONENT*2	L COIVIPUINEINT *2

○: Signal present

× : No signal 480p ~ 720p : 480p / 576p / 1080i / 720p

- × ∶ No output
- *1 : The "Picture Adjust" setting can be made.
- / 720p *2 : Superimposed over video signal
 - *3 : Only displayed when the **MENU** button is pressed
 - *4 : If the input signal is in SECAM format, it is converted to PAL for output
- * : Output according to "Resolution" setting (i/p Scaler : When "A to H" is set) (12 page 30).

: Wallpaper or set background color displayed

: Output according to "Resolution" setting (i/p Scaler : When "H to H" is set) (1) page 30).

: GUI menu not displayed

.

• The main zone video conversion function is compatible with the following formats: NTSC, PAL, SECAM, NTSC4,43, PAL -N, PAL -M and PAL -60.

- When SECAM signals of video input are up-converted, the signals are output in PAL format from the S-Video connector.
- If the input signal is a component 1080p signal, up-converting to HDMI is not possible.
- The GUI menu display cannot be superimposed when xvYCC signals and component 1080p signal, computer's resolution (e.g. VGA) are input.

Getting Started Connections Setup Playback Remote Control Multi-Zone Information

Troubleshooting

		SIGN	AL IN			MONITOR OU	T (Normally)		M	ONITOR OUT (when	n GUI menu display	/ed)
Video Convert	HDMI	COMPONENT	S-VIDEO	VIDEO	HDMI	COMPONENT	S-VIDEO	VIDEO	HDMI	COMPONENT	S-VIDEO	VIDEO
	×	×	×	×	×	×	×	×	0	0	0	0
	×	×	×	0	×	×	×	(VIDEO)	0	0	0	0
	×	×	0	×	×	×	(S-VIDEO)	×	0	0	0	0
	×	×	0	0	×	×	(S-VIDEO)	(VIDEO)	0	0	0	0
	×	0	×	×	×	O (COMPONENT)	×	×	0	0	0	0
	×	0	×	0	×	O (COMPONENT)	×	(VIDEO)	0	0	0	0
	×	0	0	×	×	O (COMPONENT)	(S-VIDEO)	×	0	0	0	0
OFF	×	0	0	0	×	O (COMPONENT)	(S-VIDEO)	(VIDEO)	0	0	0	0
UFF	0	×	×	×	(HDMI)	×	×	×	(HDMI)*2	×	×	×
	0	×	×	0	(HDMI)	×	×	(VIDEO)	○ (HDMI)*2	×	×	×
	0	×	0	×	(HDMI)	×	(S-VIDEO)	×	○ (HDMI)*2	×	×	×
	0	×	0	0	(HDMI)	×	(S-VIDEO)	(VIDEO)	○ (HDMI)*2	×	×	×
	0	0	×	×	(HDMI)	○ (COMPONENT)	×	×	○ (HDMI)*2	×	×	×
	0	0	×	0	(HDMI)	O (COMPONENT)	×	(VIDEO)	○ (HDMI)*2	×	×	×
	0	0	0	×	(HDMI)	O (COMPONENT)	(S-VIDEO)	×	○ (HDMI)*2	×	×	×
	0	0	0	0	(HDMI)	O (COMPONENT)	(S-VIDEO)	(VIDEO)	(HDMI)*2	X	×	×

○ : Signal present
 × : No signal

 \bigcirc : Output present \times : No output

*2: Superimposed over video signal

To display the GUI menu on an HDMI monitor, output with a resolution of 480p/576p.

Inp	ut	MONITOR OUT
S-VIDEO	VIDEO	VIDEO
×	×	×
×	0	O (VIDEO)
0	×	(S-VIDEO)
0	0	(S-VIDEO)
○: Signal present ×: No signal		○ : Output present× : No output

Troubleshooting

If a problem should arise, first check the following:

- 1. Are the connections correct?
- 2. Is the set being operated as described in the owner's manual?
- 3. Are the other components operating properly?

If this unit does not operate properly, check the items listed in the table below. Should the problem persist, there may be a malfunction.

In this case, disconnect the power immediately and contact your store of purchase.

[General]

Symptom	Cause	Countermeasure	Page
Power does not turn on, or turns off directly after it was turned on.	• Connection of the power cord is faulty.	• Check that the power plugs are securely inserted into the AVR- 3808Cl's AC inlets and the wall power outlet.	22
No sound is produced from speakers.	• Connection with the input devices or connection of the speaker cables is faulty.	Check the connections.	9
	• Device you want to play and set input source do not match.	 Select an appropriate input source. 	37, 38
	• Master volume is turned too low.	 Adjust the master volume to an appropriate level. 	47
	• Mute mode is set.	Cancel the mute mode.	47
	• Headphones are connected.	 Disconnect the headphones. 	47
	 No digital signals are being input. 	 Select an input source for which the digital input setting has been made. 	40
	• The connectors to which the digital inputs are assigned and the settable input modes do not match.	• Set the input mode.	40
Display is off.	• The "Dimmer" setting is set to "OFF".	 Set to something other than "OFF". 	36
	• The PURE DIRECT mode is set.	 Set a surround mode other than the PURE DIRECT mode. 	42
"DOLBY DIGITAL" indicator does not appear on display.	 DVD player's digital audio output setting is not proper. 	• Check the DVD player's audio output setting. For details, read the DVD player's operating instructions.	_

Symptom	Cause	Countermeasure	Page
Power turns off suddenly and power indicator	• Protection circuit activated due to rise of internal temperature.	• Turn off the power, wait for the set to fully cool down, then turn the power back on.	10
flashes red.		• Place the set in a well-ventilated place.	10
	• Core wires of two speakers are touching each other or a core wire is sticking out of the terminal and touching the set's rear panel, activating the protection circuit.	then twist the core wires tightly or terminate the speaker cables,	10
	• Speakers with an impedance other than specified are being used.		10
	• Set is damaged.	• Turn off the power and contact a DENON service center.	-

[Remote Control Unit]

Symptom	Cause	Countermeasure	Page
Set does not work	• Batteries are worn.	Replace with new batteries.	3
properly when	• You are operating outside of the	• Operate within the specified	3
remote control	specified range.	range.	
unit operated.	• Obstacle between main unit and remote control unit.	Remove the obstacle.	3
	• The batteries are not inserted in the proper direction, as indicated by the polarity marks in the battery compartment.	proper direction, following the	3
	• The set's remote control sensor is exposed to strong light (direct sunlight, inverter type fluorescent bulb light, etc.).	the remote control sensor will	3
	• The remote ID of the main unit and remote control unit do not match.		36, 62

Remote Control Multi-Zone Information Troubleshooting

Getting Started Connections Setup Playback

[Audio]

Symptom	Cause	Countermeasure	Page
No sound is produced from center speaker.	 You are playing a monaural source (TV, AM radio broadcast, etc.) in the STANDARD (Dolby/ DTS Surround) mode. 	• The mode is set to something other than "STANDARD (Dolby/ DTS Surround)".	41
No sound is produced from surround speakers.	• The surround mode is set to "STEREO", "DIRECT" or "PURE DIRECT".	 Set to a surround playback mode. 	42
No sound is produced from surround back	• The surround back speaker's power amplifier is assigned to a different channel.	• Check the setting and change it as necessary.	34
speaker.	• Surround back speaker setting is set to "None".	"None".	28
	• Surround mode not set to a mode for 6.1- or 7.1-channel playback.	 Select a surround playback mode. 	41, 4
No sound is produced from	• Subwoofer's power not turned on.		-
subwoofer.	• The "Subwoofer" setting at "Speaker configuration" is set to "No".	• Set to "Yes".	28
	• The subwoofer is not properly connected.	Check the connections.	9
	• The subwoofer's volume is turned off.	• Adjust the subwoofer's volume to an appropriate level.	58
No test tones are produced when main remote control unit's TEST TONE button is pressed.	• Surround mode not set to "STANDARD" (Dolby/DTS Surround).		41
DTS sound is not output.	• DVD player's audio output setting is not set to bitstream.	• Set the DVD player. For details, refer to the DVD player's operating instructions.	-
	• DVD player is not compatible with DTS sound playback.		-
	• The AVR-3808CI's "Decode Mode" setting is set to "PCM".	• Set to the "Auto" or DTS mode.	39
HDMI audio signals are not output from speakers.	• The "Manual Setup" – "HDMI Setup" – "Audio" setting is set to "TV".	• Set to "Amp".	30

Symptom	Cause	Countermeasure	Page
No sound is output from the monitor connected with HDMI connections.	• The "Manual Setup" – "HDMI Setup" – "Audio" setting is set to "Amp".		30

[Video]

Symptom	Cause	Countermeasure	Page
The on-screen display does not appear.	• The format of the GUI and TV (NTSC or PAL) do not match.	• Match the format of the GUI and TV.	35
No picture appears. • The connections between AVR-3808CI and monitor faulty.		Check the connections.	11 ~ 22
	• The monitor's input setting is wrong.	• Set properly.	-
	• PURE DIRECT mode is set.	• Cancel the PURE DIRECT mode.	42
	• The player is connected using the component input connectors, the monitor is connected using the video (yellow) or S-Video output connectors.	High definition (1080i/720p) and progressive (480p/576p) video signals are not down-converted. Set the player to interlace (480i/576i) signals.	-
No picture appears	• The connections to the HDMI connectors are faulty.	Check the connections.	11
with HDMI	• HDMI input setting is improper.	Check the HDMI input setting.	40
connections.	• The monitor is not compatible with copyright protection (HDCP).	 Connect a monitor that is compatible with copyright protection (HDCP). 	11
	• The HDMI format of the player and monitor do not match.	• Match the HDMI format of the player and monitor.	11
Picture cannot be recorded.	Input source does not match recorder's video connection connector (video or S-Video).	• The video conversion function does not work for the REC OUT connectors. Match the input source and recorder connections.	15
DVDs cannot be copied on a VCR.	_	• This is not a malfunction. Most movie software includes copy prevention signals and cannot be copied.	_

[iPod]

Symptom	Cause	Countermeasure	Page
iPod cannot be	• The input source assigned to	• Switch to the input source	40
played.	"iPod dock" is not selected.	assigned at "iPod dock".	
	• Cable is not properly connected.	Reconnect.	13
	• Control Dock for iPod's AC	• Plug the Control Dock for iPod's	-
	adapter is not connected to	AC adapter into a power outlet.	
	power outlet.		

[NET/USB]

Symptom	Cause	Countermeasure	Page
When a USB memory device is	• The set cannot recognize a USB memory device.	Check the connection.	18
connected, "USB" is not displayed on the GUI menu.	• A USB memory device not conforming to mass storage class or MTP standards is connected.	• Connect a USB memory device conforming to mass storage class or MTP standards.	-
	• The set port and the connected port do not match.	• Connect to the port set at "USB Select".	40
	• A USB memory device that the set cannot recognize is connected.	 This is not a malfunction. DENON does not guarantee that all USB memory devices will operate or receive power. 	-
	• USB memory device is connected via USB hub.	• Connect the USB memory device directly to the USB port.	-
Files on a USB memory device cannot be played.	• USB memory device is in format other than FAT16 or FAT32.	• Set the format to FAT16 or FAT32. For details, refer to the USB memory device's operating instructions.	-
	• USB memory device is divided into multiple partitions.	• When divided into multiple partitions, only files stored in the top partition can be played.	-
	• Files are stored in a non- compatible format.	• Record the files in a compatible format.	52
	• You are attempting to play a file that is copyright protected.	• Files that are copyright protected cannot be played on this set.	52
The file names are not displayed properly ("", etc.).	 Characters that cannot be displayed are used. 	• This is not a malfunction. On this set, characters that cannot be displayed are replaced with a ". (period)".	-

Symptom	Cause	Countermeasure	Page
Internet radio cannot be played.	• Ethernet cable is not properly connected or network is disconnected.	Check the connection status.	20
	• Program is being broadcast in non-compatible format.	• Only Internet radio programs in MP3 and WMA can be played on this set.	52
	• The computer's or router's firewall is activated.	 Check the computer's or router's firewall settings. 	-
	• Radio station is not currently broadcasting.	5	53
	• IP address is wrong.	• Check the set's IP address.	32
Files stored on a computer cannot	• Files are stored in a non- compatible format.	• Record in a compatible format.	52
be played.	• You are attempting to play a file that is copyright protected.	• Files that are copyright protected cannot be played on this set.	52
	• Set and computer are connected by USB cable.	• The set's USB port cannot be used for connection to a computer.	-
Server is not found, or it is	• The computer's or router's firewall is activated.	firewall settings.	-
not possible to connect to the	• Computer's power is not turned on.	• Turn on the power.	-
server.	Server is not running.Set's IP address is wrong.	Launch the server.Check the set's IP address.	- 32
Cannot connect to preset or favorite	• Radio station is not currently broadcasting.	• Wait a while before trying again.	-
radio stations.	Radio station is not currently in service.	 It is not possible to connect to radio stations that are no longer in service. 	-
For some radio stations, "Server Full" or "Connection Down" is displayed and station cannot be connected to.	 Station is congested or not currently broadcasting. 	• Wait a while before trying again.	_
Sound is broken during playback.	• Network's signal transfer speed is slow or communications lines or radio station is congested.	• This is not a malfunction. When playing broadcast data with a high bit rate, the sound may be broken, depending on the communications conditions.	-
Sound quality is poor or played sound is noisy.	• File being played has a low bit rate.	• This is not a malfunction.	-

Getting Started Connections Setup Playback Remote Control Multi-Zone Information Troubleshooting

[XM Satellite Radio]

Symptom	Cause	Countermeasure	Page
"CHECK XM TUNER" is displayed.	• The XM Mini-Tuner is not installed or not fully seated in the XM Mini-Tuner Dock or the XM Mini-Tuner dock is not connected to the AVR-3808CI.	• Confirm the XM Mini-Tuner is fully seated in the dock and check the XM Mini-Tuner dock cable is connected to the AVR-3808CI.	18
"CHECK ANTENNA" is displayed.	AVR-3808CI's XM connector and the XM Mini-Tuner and Home Dock is not properly connected.	• Check that the connections are correct.	18
"NO SIGNAL" is displayed.	• The signal cannot be received.	• Reposition your XM Mini-Tuner and Home Dock antenna.	50
"OFF AIR" is displayed.	• The selected channel is not currently broadcasting.	Select another channel.	_
Receiving only XM channels 0 and 1.	• The XM Mini-Tuner is not activated.	• Contact XM Radio.	_
"XM " is displayed.	• The selected channel is not available. The channel may have been reassigned to a different channel number. This message may occur initially with a new radio or a radio that has not received XM's signal for an extended period.	guide at <u>www.xmradio.com</u> or <u>www.xmradio.ca</u> for the current list of channels. For cases of a new radio or a radio that has not received XM's signal for an	_
"UPDATING" is displayed.	You selected an XM channel that is blocked or cannot be received with your XM subscription package.	guide at <u>www.xmradio.com</u> or	_

Specifications

Audio section

Power amplifier			Standard video connectors		
Rated output:	Front:		Input / output level and impedance:	1 Vp-p, 75 Ω/ohms	
	130 W + 130 W (8 Ω/ohms,	20 Hz ~ 20 kHz with 0.05 % T.H.D.)	Frequency response:	5 Hz ~ 10 MHz — +0, -3 dB (when video conv	vert set to "OFF")
	160 W + 160 W (6 Ω/ohms,	1 kHz with 0.7 % T.H.D.)	 S-Video connectors 		
	Center:		Input / output level and impedance:	Y (brightness) signal — 1 Vp-p, 75 Ω/ohms	
	130 W (8 Ω/ohms, 20 Hz ~ 2	20 kHz with 0.05 % T.H.D.)		C (color) signal — 0.286 Vp-p, 75 Ω/ohms	
	160 W (6 Ω/ohms, 1 kHz wit	th 0.7 % T.H.D.)	Frequency response:	5 Hz ~ 10 MHz — +0, –3 dB (when video conv	vert set to "OFF")
	Surround (A + B):		 Color component video connector 		
	130 W + 130 W (8 Ω/ohms,	20 Hz ~ 20 kHz with 0.05 % T.H.D.)	Input / output level and impedance:	Y (brightness) signal — 1 Vp-p, 75 Ω/ohms	
	160 W + 160 W (6 Ω/ohms,	1 kHz with 0.7 % T.H.D.)		Pв / Cв signal — 0.7 Vp-p, 75 Ω/ohms	
	Surround back:			Pr / Cr signal — 0.7 Vp-p, 75 Ω/ohms	
	130 W + 130 W (8 Ω/ohms,	20 Hz ~ 20 kHz with 0.05 % T.H.D.)	Frequency response:	5 Hz ~ 100 MHz — +0, -3 dB (when video co	nvert set to "OFF")
	160 W + 160 W (6 Ω/ohms,	1 kHz with 0.7 % T.H.D.)			
Dynamic power:	140 W x 2ch (8 Ω/ohms)		Tuner section	[FM]	[AM]
	210 W x 2ch (4 Ω/ohms)			(note: μ V at 75 Ω /ohms, 0 dBf = 1 x 10 ⁻¹⁵ W)	
Output connectors:	Front, Center, Surround back	6 ~ 16 Ω/ohms	Receiving Range:	87.5 MHz ~ 107.9 MHz	520 kHz ~ 1710 kHz
	Surround: A or B	6 ~ 16 Ω/ohms	Usable Sensitivity:	1.0 μV (11.2 dBf)	18 µV
	A + B	8 ~ 16 Ω/ohms	50 dB Quieting Sensitivity:	MONO 1.6 µV (15.3 dBf)	
Analog				STEREO 23 µV (38.5 dBf)	
Input sensitivity / Input impedance:	200 mV / 47 kΩ/kohms		S/N (IHF-A):	MONO 77 dB	
Frequency response:	10 Hz ~ 100 kHz — +1, –3 dB	(DIRECT mode)		STEREO 72 dB	
S/N:	102 dB (IHF-A weighted, DIRE	ECT mode)	Total harmonic Distortion (at 1 kHz):	MONO 0.15 %	
Distortion:	0.005 % (20 Hz ~ 20 kHz) (DII	RECT mode)		STEREO 0.3 %	
Rated output:	1.2 V		General General		
Digital				40 400 1/ 00 1/	
D/A output:	Rated output — 2 V (at 0 dB p		Power supply:	AC 120 V, 60 Hz	
	Total harmonic distortion — 0.	.008 % (1 kHz, at 0 dB)	Power consumption:	7.2 A	
	S/N ratio — 102 dB			0.3 W (Standby)	47/04// 40 47/00///
	Dynamic range — 96 dB		Maximum external dimensions:	434 (W) x 171 (H) x 420 (D) mm (17-3/32" x 6-	47/64 x 16-17/32)
Digital input:	Format — Digital audio interfa	ice	Weight:	17.8 kg (39 lbs 3.9 oz)	
 Phono equalizer (PHONO input — RE 	C OUT)		Main remote control unit (RC	-1068)	
Input sensitivity:	2.5 mV		Batteries:	LR6/AA Type (two batteries)	
RIAA deviation:	±1 dB (20 Hz to 20 kHz)		Maximum external dimensions:	63 (W) x 238 (H) x 31 (D) mm (2-31/64" x 9-3/	R″ x 1-7/32″)
S/N:	74 dB (A weighting, with 5 m\	/ input)	Weight:	190 g (Approx 6.7 oz) (including batteries)	5 X 1-7/52 /
Rated output:	150 mV		weight.	130 g (Applox 0.7 02) (including batteries)	
Distortion factor:	0.03 % (1 kHz, 3 V)		Sub remote control unit (RC-	1070)	
			Batteries:	R03/AAA Type (two batteries)	
			Maximum external dimensions:	49 (W) x 220 (H) x 24.5 (D) mm (1-59/64" x 8-2	21/32″ x 31/32″)
			Weight:	114 g (Approx 4 oz) (including batteries)	
			U U	U 11 U 11 U	

Uideo section

* For purposes of improvement, specifications and design are subject to change without notice.

List of preset codes / Liste de codes préréglés

D	enon Amp		~
D	Denon	81001, 82001, 83001, 84001	G
D	enon Tuner		
D	Denon (Analog)	52863, 52795, 52800, 52805	
	Denon (XM Radio)	52864, 52812, 52813, 52814	
D	enon Digital	Tuner	H
D	Denon (NET/USB)	62865, 62837, 62838, 62839	1
D	enon iPod		j
D	Denon	72815, 72816, 72817, 72818	K
C	able		L M
Α	A-Mark	00008, 00144	
	ABC	00237, 00003, 00008	
	Accuphase	00003	
	Acorn	00237	
	Action	00237	
	Active	00237	
	ADB	01230	
	Aichi Denshi	01512	N
	Americast	00899	
	Amstrad	01222	
	Archer	00237	
	Auna	01230	
	Austar	00276	0
В	BCC	00276	Ŭ
	Bell South	00899	
	Bestlink	00303	Р
	Birmingham Cable Communications	00276	Г
_	British Telecom	00003	
C	Cable & Wireless	01068	
	Century	00008	
_	Coship	01462	
D	Daehan	00778	
	Daeryung	01877, 00877, 00477, 00008	
	Digeo	01187	-
	Director	00476	0
_	DX Antenna	01500	R
Ε	Emerson	00303	
_	Encon	00008	-
F	Fosgate	00276	S
	Foxtel	01222	
	France Telecom	00817	
	Freebox	01482	

Jue	s preregies	
-	Fujitsu	01497
G	Galaxi	00008
	GE	00237, 00144
	Gehua	00476
	General Instrument	00476, 00810, 00276, 00003
	Gibralter	00003
	GNI	01466
	GoldStar	00144
H	Hitachi	00003, 00008
	Hongtian Jiangsu	01462
	Hwalin	00303
	Insight	00476, 00810
J	Jerrold	00476, 00810, 00276, 00003
	Jiuzhou	01445
K	KNC	00008
L	LG	00144
M	Macab	00817
	Madritel	01230
	Maspro	01510
	Matav	01082
	Memorex	00000
	Mitsubishi	00003
	Motorola	01376, 00476, 00810, 00276, 01187
	MS	00303
N	NEC	01496
	Noos	00817
	Nova Vision	00008
	Novaplex	00008
-	NTL	00276, 00003, 01060, 01068
0	Oak	00303
	Ono	01068
	Optus	00276, 01060
Ρ	Pace	01877, 00877, 00237, 00008, 01060, 01068, 01577
	Panasonic	00000, 00008, 00144, 01488
	Paragon	00000, 00008, 00525
	Penney	00000
	Philips	01305, 00317, 00817
	Pioneer	01877, 00877, 00144, 00533, 01500
	Pulsar	00000
	PVP Stereo Visual Matrix	00003
0	Quasar	00000
R	RadioShack	00303
	Regal	00276
	Runco	00000
S	Sagem	00817
Ŭ	Salora	00000
	Samsung	00003, 00000, 00144, 00778, 00840, 01060, 01666

	Scientific Atlanta	01877, 00877, 00477, 00237, 00003, 00000, 00008, 01510
	Skyworth	01464
	Sony	01006, 01460
	Sprucer	00144
	Starcom	00003
	StarHub	00276
	Sumitomo	01500, 01504
	Supercable	00276
T	Taihan	00778
	TCL	01445
	Telewest	01068
	Time Warner cable	01877
	TongKook	00840
	Torx	00003
	Toshiba	00000, 01509
	Trans PX	00276, 00303
	TS	00003, 00303
U	United Cable	00276, 00003
	US Electronics	00276, 00003, 00008
V	Videoway	00000
	Visiopass	00817
Ζ	Zenith	00000, 00525, 00899
C	able/PVR Coi	mbination *1
Λ	Amoricant	

Α	Americast	00899
D	Digeo	01187
F	Freebox	01482
G	General Instrument	00810
J	Jerrold	00810
Μ	Motorola	01376, 00810, 01187
Ρ	Pace	01877, 00237
	Pioneer	01877, 00877
S	Scientific Atlanta	01877, 00877
	Sony	01006
	Supercable	00276
T	Time Warner cable	01877
Ζ	Zenith	00899

C	D Player	
Α	Acoustic Research	40420
	Advantage	40032
	Aiwa	40157
	Arcam	40157
	Audio Research	40157
	Audiolab	40157
	Audiomeca	40157
	Audioton	40157
	AVI	40157

B	Balanced Audio Technology	40157
	Burmester	40420
	Bush	40388
C	Cairn	40157
Ĩ	California Audio Labs	40029, 40303
	Cambridge	40157
	Cambridge Audio	40157
	Cambridge	40157
	Soundworks	
	Carver CDC	40157, 40179 40420
	CEC	40420
	Copland Curtis Mathes	40393 40032
		40032
-	Cyrus	40157 40873, 40003, 40766,
D	Denon	[42867]*, 42868
	DKK	40000
	DMX Electronics	40157
	Dual	40003
	Dynaco	40157
	Dynamic Bass	40179
F	Fisher	40000, 40179
G	Garrard	40393, 40420
	Genexxa	40000, 40032, 40037, 40179
	Goldmund	40157
	Grundig	40157
н	Hafler	40173
	Harman/Kardon	40100, 40157, 40173
	Hitachi	40032
Ц	Inkel	40157
	Integra	40101
J	Jerrold	40003
	JVC	40032, 40072
K	Kenwood	40681, 40000, 40029, 40157, 40028, 40037, 40036, 40190
	KLH	41318
	Krell	40157
L Ì	Linn	40157
	Loewe	40157
	Luxman	40393
	LXI	40179
M	Magnavox	40157
	Marantz	40029, 40157
	Matsui	40157
	MCS	40029
	Memorex	40000, 40032, 40179, 40420,
	Meridian	40468 40157
		40157
	Micromega Miro	40157
	Mission	40000 40157
	1011221011	40137

	Modulaire	40000, 40032, 40087, 40179 40420, 40468
	MTC	40420
	Musical Fidelity	40393
	Myryad	40157
N	NAD	40000, 40721
	Naim	40157
	NSM	40157
0	Onkyo	40868, 40101
Ŭ	,	40000, 40032, 40037, 40087
	Optimus	40179, 40393, 40420, 40468
	Orion	40393
P	Panasonic	40029, 40303, 40388, 40752
	Parasound	40420
	Penney	40029
	Philips	40157
	Pioneer	40032, 40101, 40468
	Polk Audio	40157
	Proceed	40420
	Proton	40157
0	QED	40157
	Quad	40157
	Quasar	40029
R	Radiola	40157
	RadioShack	40000, 40032, 40179, 40420 40468
	RCA	40032, 40053, 40179, 40420 40468
	Realistic	40000, 40032, 40087, 40179 40420, 40468
	Restek	40157
	Revox	40157
	Roksan	40420
	Rotel	40157, 40420
	Royal	40420
S	SAE	40157
	Saisho	40000
	Sansui	40000, 40157
	Sanyo	40000, 40087, 40179
	SAST	40157
	Sears	40179
	Sharp	40037
	Siemens	40157
	Silsonic	40036
	Simaudio	40157
	Sonic Frontiers	40157
	Sony	40490, 40000, 40100, 41364 40185
	Sugden	40157
	Suguen	
	Sylvania	40157
 T	•	40157 40157
T	Sylvania	

1

	Теас	40490, 40393, 40420
	Technics	40029, 40303
	Techwood	40303
	Thomson	40053
	Thorens	40157
	Thule Audio	40157
	Tokai	40420
U	Universum	40157, 40053
V	Victor	40072
W	Wadia	40393
	Wards	40000, 40032, 40157, 40053, 40087, 40179
Υ	Yamaha	40490, 40868, 40032, 40036
	Yorx	40000

CD Record	der
-----------	-----

D	Denon	40766, 42868
J	JVC	40072
R	RCA	40053, 40420
S	Sony	40000, 40100, 41364
Т	Teac	40420
	Thomson	40053

Ta	ape Deck	
Α	Aiwa	20029, 20197, 20200, 21315
	Akai	20283, 20439
	Arcam	20076
	Audiolab	20029
C	Carver	20029
D	Denon	20076, 20371, 21311, [22471] *
F j	Fisher	20074
G	Garrard	20308, 20309, 20375, 20439
	Genexxa	20439
	GoldStar	20375
	Grundig	20029, 20375
H	Harman/Kardon	20182, 20029, 21314
L	Inkel	20070, 20071, 20337
J	JVC	20244, 20273, 20274, 20303 20304, 20310, 21309
K	Kenwood	20070, 20071, 20092, 20233 20234, 21364
L	LG	20375
	Luxman	20308, 20309
M	Magnavox	20029
	Marantz	20029, 20009
	Memorex	20099
	Mitsubishi	20283, 20439
	Myryad	20029
0	Onkyo	20135, 20136, 20282
	Optimus	20027, 20220, 20337, 20439
	Orion	20308, 20309

P	Palladium	20375
	Panasonic	20229
	Philips	20029, 20229
	Phonotrend	20337
	Pioneer	20027, 20220, 20099, 20109, 21306, 21312
	Polk Audio	20029
R	Radiola	20029
	RCA	20027, 20220
	Revox	20029
S	Sansui	20029, 20009
	Sanyo	20074
	Sharp	20231, 20371
	Sherwood	20337
	Sonic	20375
	Sony	20243, 20170, 20291, 20234, 21313
Τ.	TaeKwang	20439
	Tandberg	20109
	Теас	20280, 20283, 20289, 20308, 20309
	Technics	20229
	Technovox	20229
	Thorens	20029
U		20375, 20439
V	Victor	20244, 20273, 20274
W	Wards	20027, 20029
	Wharfedale	20439
Y	Yamaha	20097, 20094
Н	DTV Tuner *1	
Δ	ABS	01272
~	Accurian	01653
	Alienware	01272
C	CyberPower	01272
Ď	D-Link	01554
	Datec	01363
E	Epson	01563
G	Gateway	01272
H	Hewlett Packard	01272.01267
	Howard Computers	01272
	HP	01272, 01267
	Hush	01272
ЪĽ	iBUYPOWER	01272
Ĺ	LG	01415

01272, 01365

01272, 01805

01272

01272

01363

01272

01272

Linksys

Media Center PC

Microsoft

Motorola

Niveus Media

Northgate

Mind

P	Packard Bell	01272
	Panasonic	01120
	Pioneer	01010
R	Ricavision	01272
S	Samsung	01190, 01490
	Sensory Science	01126
	Sharp	01010
	SMC	01456
	Sony	01272, 01324, 01364
	Stack 9	01272
	Sylvania	01563
	Systemax	01272
T	Tagar Systems	01272
	Toshiba	01272
	Touch	01272
V	Viewsonic	01272, 01329
	Vizio	01126
	Voodoo	01272
X	Xbox	01805
Ζ	ZT Group	01272
Sa	atellite Recei	iver
Α	@sat	01300
	@Sky	01334
	A-Mark	00345
	ABsat	00123, 00713
	ADB	00642, 01259, 01367, 01418, 01473, 01491
	AGS	00710
	Aiwa	01514
	Akai	00200
	Alba	00455, 00713, 01284, 01659, 01811
	Allsat	00200, 01043
	Alltech	00713
	Allvision	01232, 01334, 01412
	AlphaStar	00772

Amitronica

Amstrad

Anglo

Ankaro

AntSat

Apollo

Arcon

Arnion

Asat

ASCI

ASLF

AssCom

Astacom

Armstrong

01272	Aston	00142
01120	Astra	00713
01010	Astratec	01743
01272	Astro	00173, 00658, 01099, 01100, 01113
01190, 01490	Atlantic Telephone	01333
01126 01010	Atsat	01300
	AtSky	01334
01456	Audioline	01672
01272, 01324, 01364	Aurora	00642, 00879, 01333, 01433
01272 01563	Austar	00497, 00642, 00863, 00879, 01176, 01259
01272	Axiel	00710
01272	Axil	01457, 01659
01272	Axis	01111
01272	B B@ytronic	01412
01272, 01329	Beko	00455
01126	Bell ExpressVu	00775
01272	Big Sat	01457
01805	Black Diamond	01284
01272	Blaupunkt	00173
	Blue Sky	00713
eiver	Воса	00713, 01232, 01366
	Boston	00710, 01251
01300	Brainwave	00658, 01672
01334	British Sky	00847, 01175, 01662, 01847
00345	Broadcasting Broco	00713
00123,00713	BskyB	00847, 01175, 01662
00642, 01259, 01367, 01418, 01473, 01491	BT	00710, 01296
00710	Bubu Sat	00713
01514		01284, 01645, 01672, 01743,
00200	Bush	01811
00100, 00710, 01201, 01000,	C Canal	00853
01811	Canal Digital	00853, 01622
00200, 01043 00713	Canal Satellite	00853, 01339, 01853
	Canal+	00853
01232, 01334, 01412 00772	Centrex	01457
00713	CGV	01413, 01567
00713	Chaparral	00216
00863, 00882, 01113, 01175,	Cherokee	00123, 00710
01693, 01801	Chess	00713, 01085, 01334, 01626
00713	Chili	01718
00713 01083	CityCom	00299, 00394, 00818, 01075, 01176, 01232
00455	Classic	01672
01043, 01075	Clatronic	01413
00200	CNS	01367
01300	Comag	01232, 01366, 01412, 01413
00200	Condor	01700
01334	Conia	01695
00713	Contec	00394
00853	Continental Edison	01695
00710	Coship	01457

	Crossdigital	01109
	Crown	01284
	Cryptovision	00455, 00795
	Cyfra+	01076
	Cyrus	00200
n	D-box	00723, 00873, 01114
	Daewoo	00713, 01111, 01296, 01743
	Delfa	00863
	Deltasat	01075
	Dgtec	01542, 01631, 01242
	Digenius	00299
	Digiality	01685
	Digifusion	01645, 01743
	DigiLogic	01284
	DigiQuest	00863, 01300, 01457, 01473
	DigiSat	01232
	Digisky	01457
	DigitAll World	01227
	Digiturk	01076
	Digiwave	01631
	Dijam	01296
	DiPro	01367, 01543
	DirecTV	01377, 00392, 00566, 00639, 01639, 01142, 00247, 00749, 01749, 00724, 00819, 01856, 01076, 01108, 00099, 01109, 01414, 01442, 01609, 01392, 01640
	Discovery	00710
	Dieh Metwork Custom	04505 04005 00775 04775
	DISH Network System	01505, 01005, 00775, 01775
	Dishpro	01505, 01005, 00775, 01775 01505, 01005, 00775, 01775
	Dishpro Distratel	
	Dishpro Distratel DMT	01505, 01005, 00775, 01775 01283, 01704 01075
	Dishpro Distratel DMT DNT	01505, 01005, 00775, 01775 01283, 01704 01075 00200
	Dishpro Distratel DMT DNT Dream Multimedia	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237
	Dishpro Distratel DMT DNT Dream Multimedia DSE	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375
	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433
	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284
	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284 01530
 	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284
I I E	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00853, 00871, 01086, 01200, 01323, 01409,
I I E	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar	01505, 01005, 00775, 01755 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00853, 00871, 01806, 01200, 01323, 00149, 01848, 01473, 01775
 	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell	01505, 01005, 00775, 01775 01283, 01704 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00853, 00871, 01868, 01200, 01323, 01409, 01418, 01473, 01775
I I E I I	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell Elap	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00853, 00871, 0186, 01200, 01323, 01409, 01418, 01473, 01775 00713
E	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell Elap Elsat	01505, 01005, 00775, 01775 01283, 01704 01075 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00853, 00871, 0186, 01200, 01323, 01409, 01418, 01473, 01775 00713
E	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell Elap Elsat Elta	01505, 01005, 00775, 01775 01283, 01704 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00863, 00871, 01868, 01200, 01323, 01409, 01418, 01473, 01775 00713 00713, 01567
E	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell Elap Elsat Elta Emme Esse Energy Sistem Engel	01505, 01005, 00775, 01775 01283, 01704 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00863, 00871, 0186, 01200, 01323, 01409, 01418, 01473, 01775 00713 00713, 01567 00713 00701, 01567
E	Dishpro Distratel DMT DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell Elap Elsat Elta Emme Esse Energy Sistem Engel EP Sat	01505, 01005, 00775, 01775 01283, 01704 00200 01237 01375 00642, 00879, 01433 01284 01530 01505, 01005, 00775, 00455, 00610, 00713, 00863, 00871, 01868, 01200, 01323, 01409, 01418, 01473, 01775 00713 00713 00713, 01567 00713 00200, 01659 00871 00871
E	Dishpro Distratel DMT DNT Dream Multimedia DSE DSTV Durabrand DX Antenna Echostar Einhell Elap Elsat Elta Emme Esse Energy Sistem Engel	01505, 01005, 00775, 01775 01283, 01704 00200 01237 01375 00642, 00879, 01433 01580 01580 01505, 01005, 00775, 00455, 00610, 00713, 00853, 00871, 0186, 01200, 01323, 01409, 01418, 01473, 01775 00713 00713, 01567 00713 00200, 01659 00871 00871 01631

	Eurocrypt	00455
	EuroLine	01251
	Europa	00863
	Europhon	00299
	Eurosky	00262, 00299
	Eurostar	00818
	Eutelsat	00713
	Expressvu	00775, 01775
F	Fenner	00713
	Ferguson	00455, 01291, 01743
	Finlandia	00455
	Finlux	00455
	Flair Mate	00713
	FMD	01251, 01413, 01457
	Force	01101
	Fortec Star	01083
	Foxtel	00455, 00497, 00795, 00879, 01162, 01176, 01356
	Fracapro Planet	01102, 01170, 01350
	Fracarro	00125, 00871
	France Telecom	00871
	Freesat	00882
	FTE	00863
	FTEmaximal	00713, 00863
	Fuba	00173, 00262, 00299, 00394,
		01214, 01251, 01801
	Fugionkyo Funai	00125
_		01377 00853, 00863, 01101, 01111,
G	Galaxis	01557
	Gardiner	00818
	Garnet	01075
	GbSAT	01214
	GE	00392, 00566
	Gecco	01412
	General Instrument	00869
	General Satellite	01176
	GF Good Friends	01043
	GF Star	01043
	Globo	01251, 01334, 01412, 01429, 01626
	GOD Digital	00200
	GOI	00775, 01775
	Gold Box	00853
	Gold Vision	01631
	Golden Interstar	01283
	GoldStar	00394
	Goodmans	00455, 01284, 01291
	Gradiente	00887
	Granada	00455
	Grundig	00173, 00345, 00847, 00853,
Н	Handan	00879, 01291 01622
	Hanseatic	01099, 01100
	Hallooutic	01000, 01100

Hauppauge	01672
HB	01214, 01801
HDT	01159
Hills	01232
Hirschmann	00125, 00173, 00299, 00710, 00882, 01085, 01111, 01232, 01412
Hisense	01535
Hitachi	00749, 00819, 00455, 01250, 01284, 01518, 01523, 01525
Homecast	01214, 01680, 01700
Hornet	01300
Houston	00775
HTS	00775, 01775
Hughes Network Systems	01142, 00749, 01749, 01442
Humax	00863, 01176, 01225, 01406, 01427, 01675, 01743, 01790, 01915
Huth	01075
Hyundai	01075, 01159
iCan	01367
ID Digital	01176
ILLUSION sat	01557, 01631
iLo	01535
Imperial	01334, 01429, 01672
Indovision	00887
Ingelen	00882
Innova	00099
Interstar	01214
InVideo	00871
ISkyB	00887
Italtel	00871
ITT Nokia	00455, 00723, 00873
Jadeworld	00642
Jaeger	01334
Jerrold	00869
Jiuzhou	01450
JOK	00710
JVC	00775, 01507, 01531, 01775
K-SAT	00713
Kamm	00713
Kaon	01300
KaTelco	01111
Kathrein	00123, 00173, 00200, 00249, 00394, 00442, 00480, 00504, 00658, 00713, 00818, 01221, 01416, 01561, 01567
Kennex	00125
Kenwood	00853
Klap	00710
Kocmoc TB	01333
Koscom	01043
Kosmos	00442, 01333
Kreiling	00249, 00658

ы

J

Κ

Kreiselmeyer	00173	
Kross	01695	
L&S Electronic	01043, 01334	
Labgear	01296	
LaSAT	00173, 00299	
Lava	01631	
Legend	01718	
Legrand	01718	N
Lemon	01334	
Lenco	00713	
Lenoxx	01611	
LG	01075, 01414	
Lifesat	00299, 00713, 01043	
Lodos	01284	
Logik	01284	
Logix	01075	
Lorenzen	00299	
Luxor	00345, 00873	
M Electronic	00818	
M vision	01557	
Magnavox	00724, 00722	
Manata	00724, 00722	0
Manhattan	00710, 00713	U
Marantz	00405, 00710, 01085	
Maspro Master's	00173, 00713, 01530 00394	
Matsui	00394 00173, 00710, 01284, 01743	
Maximum		
McIntosh	01075, 01334, 01685 00869	
MDS	01225	
Mediabox	00853	
Mediacom MediaSa	01206	
Iviediasa	00853 00299, 00713, 01043, 01075,	Ρ
Medion	01232, 01334, 01412, 01626	
Medison	00713	
Mega	00200	
Memorex	00724	
Metronic	00713, 00818, 01283, 01334,	
	01375, 01704	
Metz	00173	
MiCO	01811	
Micro	00713	
Micro Elektronic	00713	
Micro Technology	00713	
Micromaxx	00299	
Microstar	01075	
Microtec	00713	
Mitsubishi	00749, 00455	
Morgan's	00200, 00713, 01232, 01412	
Motorola	00869, 00856, 01473	
MTEC	01214	
Muller	01695	

L

Μ

Multibroadcast	00642,00879		
Multichoice	00642, 00879, 01333, 01433, 01559, 01560		P
Mx Onda	01659		
Myryad	00200		
Mysat	00713		PI
MySky	01693, 01848, 01850		Pi
NEC	01519		Р
NEOTION	01334		Pi
Netgem	01322		Р
Netsat	00099, 00887		Р
Neuf TV	01322		P
Neuhaus	00713		P
Neuling	01232		P
Neusat	00713		Pi
Nevir	01659		P
Next Level	00869		Pi
Nikko	00200, 00713, 00723		P
Noda Electronic	01704		Pi
Nokia	00455, 00723, 00751, 00853, 00873, 01023, 01223, 01723		P
Nordmende	00075, 01025, 01225, 01725		P
OctalTV	01505		P
Okano	00442		P
Omega	00887	Q	0
Opentel	01232, 01412		0
Optex	00394, 00713, 01043, 01283,		0
	01611	R	R
Optimus	00724		R
Optus	00879		R
Orbis	01232, 01334, 01412		R
Orbitech	01099, 01100		n
Origo	00497		R
OSAT D(2)	00345		R
P/Sat	01232 00200, 00329, 00455, 00497,		R
Pace	00200, 00329, 00455, 00497, 00795, 00847, 00853, 00887,		R
rdue	01175, 01323, 01356, 01423, 01693, 01717, 01848, 01850		R
Pacific	01893, 01717, 01848, 01850		R
Packard Bell	01204, 01373		R
Packsat	00710	S	S
Palcom	00299, 01409		S
Panarex	01159		S
Panasat	00615, 00879, 01333, 01433		S
i andoac	00247, 00701, 00455, 00847,		
Panasonic	01304, 01404, 01508, 01526,		S
Panda	01527 00173, 00455		
Pansat	01159		S
Patriot	00710		S
Paysat	00774		S
peeKTon	01457		S
poorton	0110/		S

Philips	01142, 00749, 01749, 00775, 00724, 00819, 01076, 00722, 00099, 00710, 00455, 00818, 00200, 00847, 00853, 00173, 01114, 00133, 01442, 01543, 01672
Phonotrend	00863, 01200
Pilotime	01339
Pino	01334
Pioneer	01142, 00329, 00853, 01308, 01442
Planet	00871
Plasmatic	00442
PMB	00713, 01611
Polytron	00394
Portland	01296
Preisner	00262, 01101, 01113, 01366
Premier	00723, 00853, 00873, 01429
Prima	00795
Primacom	01111
Primestar	00869
Profile	00710
Promax	00455
Proscan	00392, 00566
Proton	01535
QNS	01367, 01402, 01404
Ouadral	00710
Quelle	00299
Radiola	00200
RadioShack	00566, 00775, 00869
Radix	00394, 00882, 01113, 01317
RCA	00392, 00566, 01142, 00775, 00855, 00143, 01291, 01392, 01442
Rebox	01214
Regal	01251
RFT	00200
Roadstar	00713, 00853
Rollmaster	01413
Rover	00713
Rownsonic	01567
SAB	01251
Saba	00710, 00820
Sabre	00455
Sagem	00820, 01114, 01253, 01307, 01690
Samsung	01377, 01142, 01276, 01108, 01109, 00853, 00863, 01206, 01442, 01458, 01570, 01609, 01700, 01916
Sat Control	01300
Sat Team	00713
SAT+	01409
Satec	00713
Satelco	01232
Satplus	01100

Satstation	01083
Schaub Lorenz	01214
Schneider	00710, 01206, 01251
Schwaiger	00394, 00504, 00863, 01075, 01083, 01111, 01317, 01334,
Scriwaryer	01412, 01457
SCS	00299
Sedea Electronique	00125, 01206, 01283, 01626
SEG	01075, 01087, 01251, 01626
Seleco	00871
Septimo	01375
Serd	01412
Serino	00610
Servimat	01611
ServiSat	00713, 01251
Sharp	01517
Siemens	00173, 01334, 01429
Silva	00299
Skantin	00713
SKR	00713
	00856, 00099, 00847, 00887,
SKY	01014, 01175, 01662, 01693,
SKY Italia	01847, 01848, 01850 00853, 01693, 01847, 01848
Sky Television	01014
Sky XL	01251, 01412
Sky+	01231, 01412
,	00713, 01075, 01085, 01200,
Skymaster	01334, 01409, 01567, 01611
Skymax	00200
Skyplus	01232, 01334, 01412
SkySat	00713
Skyvision	01334
SL	00299, 01672
SM Electronic	00713, 01200, 01409
Smart	00713, 00882, 01101, 01113, 01222, 01404, 01412
Conu	01232, 01404, 01413 00639, 01639, 00455, 00847,
Sony	00853, 01524, 01558, 01640
Star	00887
Star Choice	00869
Star Trak	00772, 00869
Starland	00713
Starlite	00200
Stream	01847, 01848
Strong	00125, 00713, 00820, 00853, 00879, 01159, 01284, 01300, 01409, 01626
Sunkai	00123
Sunny	01300
Sunsat	00713
Sunstar	00642
Supernova	00887
SVA	01455
Systec	01334
0,3166	1007

_		
T	Tantec	00455
	Tarbs	01225
	Tatung	00455
	TBoston	01659
	Теас	01225, 01227, 01251, 01322
	Tecatel	01200
	TechniSat	00262, 00455, 00863, 01099, 01100, 01195, 01197, 01322
	Technomate	01283, 01610
	Technosonic	01672
	Technotrend	01429
	Techwood	01284, 01626
	Tele System Electronic	01251, 01409, 01611, 01801
	Teleciel	01043
	TeleClub	01367
	Telefunken	00710
	Teleka	00262, 00442
	Telestar	01099, 01100, 01251, 01334, 01610, 01626
	Telesystem	01801
	Televes	00455, 01214, 01300, 01334
	Televisa	00887
	Telewire	01232
	Tevion	00713, 01409, 01622, 01672
	Thomson	00392, 00566, 00455, 00710, 00713, 00820, 00847, 00853, 01046, 01175, 01291, 01534, 01543, 01662
	Thorn	00455
	Tiny	01672
	Tioko	00394
	Tivo	01142, 01442
	Tokai	00200
	Tonna	00455, 00713, 01611
	Topfield	01206, 01208, 01545, 01783
	Toshiba	00749, 01749, 00790, 00819, 00455, 01285, 01501, 01516, 01530
	TPS	00820, 01253, 01307
	Triax	00200, 00713, 00853, 01113, 01227, 01251, 01291, 01296,
	Trio	01626 01075
	TT-micro	01429
	Turnsat	00713
	Twinner	00713.01611
\mathbf{u}^{\dagger}		00879, 01162, 01333, 01356
U	UltimateTV	01392, 01640
	Uniden	00724, 00722
	Unisat	
	United	00200
		01251 00173, 00299, 01087, 01099,
	Universum	01251
	US Digital	01535
	USDTV	01535

v	Variosat	00173
•	Ventana	00200
	Vestel	01251
	VH Sat	00299
	Viasat	01682
	ViewSat	01232
	Visionic	0125, 01283
	VisionNet	0125, 01283
		00142, 00710, 00713, 01413,
	Visiosat	01457, 01718
	Viva	00856
	Vivid	01162
	Voom	00869
1	VTech	00818
W	Wavelength	01232, 01413
	Wewa	00455
	Wharfedale	01284
	Winbox	01801
	Wintel	00299
	Wisi	00173, 00299, 00455
	Worldsat	00123, 00710, 01214, 01251, 01543
X	Xcom	00123
	XMS	01075
	Xsat	00123, 00713, 00847, 01214,
		01323
	Xtreme	01300
Y	Yakumo	01413
	Yamada	01718
	Yes	00887
z	Zehnder	00394, 00504, 00818, 01075, 01232, 01251, 01334, 01412, 01413
	Zenith	00856, 01856
	Zeta Technology	00200
	Zodiac	01801
Sá	atellite Rece	iver/
P\	VR Combinat	ion %1 %3
※ 1		
A	@sat	01300
	Allvision	01412
	Amstrad	01175
	Atsat	01300
B	B@ytronic	01412
	British Sky	01175
	Broadcasting BolovP	
	BskyB Bush	01175, 01662
C		01645
C	Canal Satellite	01339
D.	Comag	01412
D	Digifusion	01645
	DigiQuest Digiturk	01300
	Digituik	01076

		01377, 00392, 00639, 01142,
	DirecTV	01076, 00099, 01392, 01442, 01640
	Dish Network System	
	Dishpro	01505, 00775
	DMT	01075
_ 1	Dream Multimedia	01237
E	Echostar	01505, 00775, 00610
_ 1	Expressvu	00775
F	Foxtel	01356
G	GbSAT	01214
	Gecco	01412
	Globo	01412
H	HDT	01159
	Hirschmann	01412
	Homecast	01680
	Hughes Network Systems	01142, 01442
	Humax	01176, 01427, 01675
	Huth	01075
	Hyundai	01075, 01159
К	Kaon	01300
ĸ	Kathrein	00249, 00658, 01221, 01561
ЪĽ	LG	01075
м	Maximum	01334
IVI	Mediacom	01206
	Medion	01412
	Microstar	01075
	Morgan's	01412
	Motorola	00869
	MTEC	01214
	Multichoice	01333, 01559, 01560
	MySky	01693, 01848, 01850
N	NEOTION	01334
11	Nokia	01023
0	Opentel	01412
U	Orbis	01412
P	Pace	01175, 01356, 01423, 01850
۲. 	Panasonic	01304
	Philips	01142, 00099, 01442
	Pilotime	01339
	Proscan	00392
R	Radix	01317
n	RCA	01392
	Rebox	01214
c		
S	Sagem Samsung	01253, 01307 01206, 01442, 01570, 01609
	Samsung Sat Control	
		01300
	Schneider	01206
	Schwaiger	01075, 01412
	Sedea Electronique	01206
	Serd	01412
	SKY	01175, 01693, 01848, 01850

	SKY Italia	01848
	Sky XL	01412
	Skymaster	01075
	Skyplus	01412
	Sony	00639, 01640
	Star Choice	00869
	Strong	01300
	Sunny	01300
T	TechniSat	01195, 01197
	Thomson	01175, 01534, 01662
	Topfield	01206, 01545, 01783
	TPS	01253, 01307
X	Xtreme	01300
Z	Zehnder	01075, 01412
% 3	2	
H	, Hughes Network Systems	20739
P	Philips	20739
S	Samsung	20739
T	elevision	
16		

Te	elevision	
1	888	10264
Α	A-Mark	10047, 10054, 10009
	A.R. Systems	10037, 10352, 10374, 10455, 10556
	Accent	10009, 10037
	Accuscan	10047
	Accuscreen	10001
	Acoustic Research	11269
	Action	10030, 10650
	Acura	10009
	Addison	10092, 10108, 10653
	ADL	11217
	Admiral	10047, 10054, 10017, 10051, 10093, 10463, 10180, 10163, 10264, 10418
	Advent	10761, 10783, 10815, 10817, 10842, 10876, 11933
	Adventuri	10000
	Adyson	10217
	AEG	11163, 11556
	Agashi	10217, 10264
	Agna	10150
	Aiko	10092, 10009, 10035, 10037, 10217, 10264, 10361, 10371, 10433
	Aim	10706, 10037, 10455, 10805
	Aiwa	10264, 10701, 11904, 11911
	Akai	10000, 10060, 10812, 10702, 10178, 10030, 10145, 10602, 10606, 1033, 10145, 10672, 10714, 10715, 11207, 11537, 11675, 11676, 11903, 10556, 10548, 10480, 10433, 10371, 10361, 10264, 10218, 10217, 10209, 10163, 10037, 10035, 10009

PRESET CODE 4

Akashi	10009, 10860
Akiba	10037, 10218, 10455
Akira	10418
Akito	10037
Akura	10171, 10009, 10037, 10163, 10218, 10264, 10668, 10714, 11037, 11498, 11556, 11982
Alaron	10170
Alba	10009, 10036, 10037, 10073, 10163, 10218, 10352, 10370, 10371, 10418, 10443, 10487, 10668, 10714, 11037
Albatron	10700, 10843
Alfide	10672
All-Tel	10865, 11269
Alleron	10030, 10170
Allorgan	10217
Allstar	10037
Ambassador	10150
America Action	10180
American High	10000, 10060
Amplivision	10217, 10370
Amstrad	10000, 10171, 10009, 10011, 10037, 10163, 10218, 10264, 10362, 10371, 10433, 10648, 11037, 11982
Amtron	10000, 10180
Anam	10250, 10180, 10009, 10037, 10700, 10861
Anam National	10250, 10037, 10650
Andersson	11149, 11163
Anglo	10009, 10264
Anhua	10051
Anitech	10009, 10037, 10264
Ansonic	10009, 10037, 10163, 10370, 10374, 10668
AOC	10451, 10093, 10180, 10060, 10178, 10030, 10092, 10009, 10108
Aolinpike	10264
Apex Digital	10156, 10748, 10879, 10765, 10767, 11217, 11943
AR	10352, 10556
Arc En Ciel	10109
Arcam	10217
Ardem	10037, 10714
Aristocrat	10163
Aristona	10037, 10556
ART	11037
Arthur Martin	10163
ASA	10070
Asberg	10037
Asora	10009
Astra	10037
Asuka	10217, 10218, 10264
ATD	10698
Atlantic	10001, 10037

Atori	10009			
Auchan	10163			
Audinac	10180			
Audiosonic	10009, 10218, 10486,	10037, 10264, 10714,	10109, 10370, 10715,	10217 10374 10820
Audioton		10264,		
Audiovox	10451, 10802, 11952	10180, 10875,	10092, 11937,	10623 11951
Audioworld	10698			
Aumark	10060			
Autovox	10217			
Aventura	10171			
AVP	10000			
Awa	10451, 10108, 10606	10009, 10217,	10011, 10264,	10036 10374
Axion	11937,	11958		
Axxent	10009			
Baier	10876			
Baihe	10009,	10264		
Baile	10001,	10009,	10374,	10661
Baird		10073,		10208
Bang & Olufsen	10217,	10343,	11190	
Baohuashi	10264			
Baosheng	10009,	10817		
Barco	10163,			
Darco			10163	10217
Basic Line		10037, 10374, 11037,	10455, 11163	10556
Bastide	10217			
Bauer	10805			
Baur	10037, 10512	10195,	10361,	10455
Baysonic	10180			
Bazin	10217			
Beaumark		10178,		
Deiling	10812,	10001,	10009,	10208
Beijing	10226, 10817,	10264, 10821	10374,	10001
Beko	10037, 10486, 10808,	10195, 10606,	10370, 10714,	10418 10715
Belcor	10030			
Bell & Howell	10054,	10017,	10154,	10093
Belson	10698,			
Belstar	11037			
BenQ	11032,	11756		
Beon		10163,	10218,	10418
Berthen	10668			
Best	10370			
Bestar	10037,	10370,	10374	
Bestar-Daewoo	10374			
Binatone	10217			
Black Diamond	10614, 11163,	10820, 11909	10821,	11037

Blackway	10218
Blaupunkt	10036, 10170, 10195, 10200, 10327, 10455
Blue Sky	10037, 10218, 10455, 10487, 10499, 10556, 10668, 10714, 10715, 11037, 11191, 11363
Boots	10009, 10217
BPL	10037, 10208
Bradford	10180
Brandt	10109, 10287, 10335, 10560, 10625, 10714
Brinkmann	10037, 10418, 10486, 10668
Brionvega	10037, 10362
Britannia	10217
Brockwood	10178, 10030
Broksonic	10236, 10463, 10180, 11911, 11938
Brother	10264
BSR	10163
BTC	10218
Bush	11900, 11556, 11037, 10778, 10714, 10698, 10668, 10661, 10614, 10556, 10487, 10374, 10371, 10361, 10335, 10264, 10218, 10217, 10208, 10163, 10037, 10036, 10009
Caihong	10009, 10817
Cailing	10748
Candle	10030
Canton	10218
Capehart	10017, 10178, 10030, 10092, 10036
Capetronic	10030
Capsonic	10264
Carad	10610, 10668, 11037
Carena	10037, 10455
Carnivale	10030
Carrefour	10036, 10037, 10070
Carver	10054, 10170
Cascade	10009, 10037
Casio	10037
Cathay	10037, 10218
CCE	10037, 10217
Celebrity	10000
Celera	10765
Celestial	10767, 10819, 10820, 10821
Centrex	10780
Centrum	11037
Conturion	10027
Centurion	10037
CGE	10074, 10163, 10370, 10418
CGE Changcheng	10074, 10163, 10370, 10418 10051, 10001, 10009, 10264, 10374, 10661, 10817
CGE Changcheng Changfei	10074, 10163, 10370, 10418 10051, 10001, 10009, 10264, 10374, 10661, 10817 10009, 10374, 10817
CGE Changcheng	10074, 10163, 10370, 10418 10051, 10001, 10009, 10264, 10374, 10661, 10817

D

Changhong	10156, 10765, 10009, 10264, 10508, 10767, 10783, 10817, 10819, 10820, 10821, 11008, 11156
Chengdu	10009, 10817
Ching Tai	10092, 10009
Chun Yun	10000, 10180, 10092, 10009, 10700, 10843
Chunfeng	10009, 10264
Chung Hsin	10180, 10053, 10036, 10108
Chunsun	10009, 10817
Cimline	10009, 10218
Cinema	10672
Cineral	10451, 10092
Cinex	10648, 11556
Citek	10047
Citizen	10054, 10000, 10451, 10463, 10180, 10060, 10030, 10171, 10092, 10001, 10035
City	10009
Clarion	10180
Clarivox	10037, 10070, 10418
Classic	10030, 10092, 10499
Clatronic	10009, 10037, 10217, 10218, 10264, 10370, 10371, 10714
Clayton	11037
CMS Hightec	10217
Colortyme	10047, 10054, 10017, 10060, 10178, 10030
Commercial Solutions	11447, 10047
Concorde	10009
Condor	10009, 10037, 10264, 10370, 10418
Conia	10820, 10821, 11498
Conic	10178
Conrac	10808
Conrowa	10156, 10145, 10009, 10264, 10698, 11156, 11170
Contec	10180, 10009, 10036, 10037
Continental Edison	10109, 10287, 10487
Cosmel	10009, 10037
Craig	10180, 10171
Crosley	10054, 10000, 10180, 10030, 10171, 10074, 10163, 10370 10002, 10180, 10052, 10000
Crown	10093, 10180, 10053, 10009, 10037, 10208, 10370, 10418, 10486, 10487, 10606, 10672, 10712, 10714, 10715, 11037
Crown Mustang	10672
CS Electronics	10218
CTX	11756
Curtis Mathes	10047, 10054, 10154, 10000, 10051, 10451, 10093, 10180, 10060, 10702, 10178, 10030, 10145, 10166, 10037, 10035, 11147, 11347
CXC	10180
Cybertron	10218
Cytronix	11298
D-Vision	10037, 10556, 11982

Daewoo	10154, 10451, 10180, 10178, 10030, 10092, 11661, 10634, 10661, 10672, 10700, 10860, 10865, 10876, 10880, 11755, 11756, 11909, 10623, 10556, 10499, 10374, 10264, 10218, 10217, 10170, 10109, 10108, 10037, 10036, 10009
Dainichi	10218
Dansai	10009, 10035, 10036, 10037,
	10208, 10217
Dantax Datsura	10370, 10486, 10714, 10715 10208
Datsula	10208
Daytek	10672, 11207
Dayton	10092, 10009, 11207
-	10180, 10178, 10030, 10092,
Daytron	10009, 10036, 10037, 10374
Dayu	10374, 10661
De Graaf	10163, 10208, 10548
Decca	10037, 10217
Degraff	10163, 10208
Deitron	10374
Dell	11080, 11178
Denko	10264
Denon	10145, 10511
Denver	10037, 10587
Desmet	10009, 10037
Diamant	10037 10706, 10009, 10371, 10672,
Diamond	10698, 10820, 10860
Digatron	10037
Digiline	10037, 10668
Digital Life	10872
Digitex	10820
Digitor	10037
Digix Media	10880
Dixi	10009, 10037, 10217
DL	10587, 10780, 10872
Domeos	10668
Domland	10394
Dongda Donghai	10009
Donghai Dream Vision	10009
DSE	11164, 11704 10698, 10820, 11556
DSE	10098, 10820, 11556
	10037, 10217, 10343, 10352,
Dual	10394, 11037, 11137
Dual Tec	10217
Dumont	10017, 10180, 10178, 10070, 10217
Durabrand	10463, 10180, 10178, 10171, 11034, 11463
Dux	10037
Dwin	10093
Dynatech	10217
Dynatron	10037

Easy Living 11248 Eaton 10060 Ecco 10773 ECE 10037 Edison-Minerva 10487 Elbe 10037, 10217, 10218, 10362, 10610 Elcit 10163 Electroband 10000 Electroband 10009, 10463, 10150, 10178, 10030, 10073 Elekta 10009, 10264 Elfin 10037, 10217, 10361, 10548 Elite 10037, 10218 ElG 10037 Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178 Enceron 10178, 10171, 10154, 10451, 10548 Elta 10009, 1024 Enverson 10178, 10171, 10154, 10451, 10236, 10463, 10180, 10150, 10170, 10070, 10073, 10195, 10170, 10070, 1003 Enversion 10037 Enverson 10037, 10217, 10264, 10370 Erae 11371 Erres 10037, 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Eurofeel 10217, 10264, 103			
Ecco 10773 ECE 10037 Edison-Minerva 10487 Elbe 10037, 10217, 10218, 10362, 10610 Elcit 10163 Electroband 10000 Electroband 10000, 10463, 10150, 10178, 10030, 10073 Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Electrohome 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 Elat 10009, 10264 Elta 10009, 10264 Enerald 10178, 10171, 10154, 10451, 10236, 10483, 10180, 10150, 10170, 10178, 10170, 10154, 10451, 10236, 10433, 10480, 10150, 10170, 10178, 10171, 11944, 11911, 10236, 10433, 10180, 10150, 10170, 1036, 10371, 10370, 10361, 10371, 10370, 10361, 10371, 10370, 10361, 10371, 10370, 10361, 10371, 10370, 1037, 10195, 10170, 10071, 10036, 10371, 10370, 10037, 10193, 10170, 10037, 10193, 10217 Errae 11371 Erres 10037, 10217, 11944 ESC 10037, 10217, 11944 ESC 10037, 10217, 11944 ESC 10037, 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Europhon 10037, 1019, 10217 Evesham Technh	E	Easy Living	11248
ECE 10037 Edison-Minerva 10487 Elbe 10037, 10217, 10218, 10362, 10610 Elcit 10163 Electroband 10000 Electroband 10000 Electrohome 10154, 10030, 10463, 10150, 10178, 10030, 10073 Electrohome 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037, 10218 Elta 10009, 10264 Emerald 10178, 10171, 10154, 10451, 10256, 10463, 10180, 10150, 10170, 10178, 10171, 1068, 10623, 10180, 10150, 10170, 10178, 10171, 1068, 10623, 10463, 10180, 10150, 10371, 10370, 10361, 10371, 10370, 10361, 10371, 10370, 1037, 10195, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10163, 10820 Errae 11371 Erres 10037, 10217, 11944 ESC 10037, 10217, 11944 ESC 10037, 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Eurofeel 10237, 1019, 10217 Evesham Technology 11248 Evolution 11756 <th></th> <td>Eaton</td> <td>10060</td>		Eaton	10060
Edison-Minerva 10487 Elbe 10037, 10217, 10218, 10362, 10610 Elcit 10163 Electroband 10000 Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Electrohome 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037, 10218 Elta 10009, 10264 Emerald 10178, 10171, 10154, 10451, 10548 Elta 10009, 10264 Emerald 10178 Enerson 11999, 10714, 1068, 10623, 10180, 10150, 10170, 10174, 1068, 10623, 10463, 10180, 10150, 10371, 10370, 10361, 10037, 10195, 10170, 10070, 10073, 10195, 10170, 10070, 10073, 10195, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10170, 10070, 10073, 10183, 10820 Errae 11371 Erres 10037, 10217, 11944 ESC 10037, 10217, 11944 ESC 10037, 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Eurofeel 10037, 1019, 10217 Evesham Technology 11248		Ecco	10773
Elbe 10037, 10217, 10218, 10362, 10610 Elcit 10163 Electroband 10000 Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Electrohome 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037, 10218 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178, 10171, 10154, 10451, 10254 Elta 10009, 10264 Emerald 10178 Construct 10047, 10017, 10154, 10451, 10254, 10453, 10180, 10150, 10170, 10174, 10668, 10623, 10180, 10150, 10170, 10174, 10071, 10195, 10170, 10174, 1068, 10823, 10180, 1037, 10195, 10170, 1037, 10195, 10170, 1037, 10195, 10170, 1037, 10195, 10170, 10070, 10073, 10195, 10170, 10070, 10073, 10195, 10170, 10070, 10073, 10195, 10170, 10070, 10073, 10195, 10170, 10071, 10163, 10820 Errae 11371 Erres 10037, 10217, 11944 ESC 10037, 10217, 11944 ESC 10037, 10217, 11944 ESC 10037, 10217, 10264, 10370 Eurofeel 10217, 10264, 10370 Europhon 10037, 10109, 10217 Evesham Technology			10037
Elbe 10610 Elcit 10163 Electroband 10000 Electroband 10000 Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Electrohome 10178, 10030, 10073 Elekta 10009, 10037, 10361, 10548 Elin 10009, 10037, 10218 Elite 10037, 10218 Elita 10047, 10017, 10154, 10451, 10256, 10463, 10180, 10150, 10178, 10171, 11944, 11911, 10256, 10463, 10180, 10150, 10370, 10361, 10037, 10178, 10171, 11944, 11911, 10370, 10361, 10037, 10195, 10170, 10037, 10195, 10170, 10037, 10195, 10170, 10037, 10037, 10195, 10170, 10070, 10037, 10037, 10195, 10170, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10217 Ether 10030, 10009 Etron 10030, 10009, 10163, 10820 Eurofeel 10217, 10264, 10370 Europa 10037, 10217, 10264, 10370 Europa 10037, 1019, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Expuisit 10037		Edison-Minerva	
Electroband 10000 Electrograph 11755 Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037 Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178, 10171, 10154, 10451, 10236, 10463, 10180, 10150, 10178, 10170, 10136, 10437, 10195, 10170, 10036, 10371, 10370, 10036, 10371, 10370, 10361, 10037, 10195, 10170, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10217 Ether 10037, 10217 Ether 10037, 10217 Etron 10009, 10163, 10820 Eurona 10037, 10217 Etron 10037, 10217, 10264, 10370 Europa 10037 Europa 10037 Europa 10037 Europa 10037 Euron 10037, 10109, 10217 Evesham Technology 11248 Evolution			
Electrograph 11755 Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037 Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178 10236, 10463, 10180, 10150, 10178, 10171, 10154, 10451, 10236, 10437, 10300, 10150, 10170, 10036, 10371, 10370, 10036, 10371, 10370, 10036, 10371, 10370, 10036, 10371, 10370, 10036, 10371, 10370, 10036, 10371, 10370, 10037, 10195, 10170, 10070, 10073 Envision 10037, 10217 Erres 10037, 10217 Erres 10037, 10217 Ether 10037, 10217 Etron 10009, 10163, 10820 Eurona 10037, 10217 Etron 10037, 10217, 10264, 10370 Europa 10037 Europa 10037 Europa 10037 Europa 10037 Etron 10037, 10217 Etres 10037 Europa 10037 Europa 10037 <t< td=""><th></th><td></td><td></td></t<>			
Electrohome 10154, 10000, 10463, 10150, 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037 Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178, 10171, 10154, 10451, 10236, 10463, 10180, 10150, 10178, 10174, 1068, 1063, 10371, 10370, 10178, 10171, 11944, 11911, 10068, 1063, 10371, 10370, 10468, 10036, 10371, 10370, 10361, 10037, 10195, 10170, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10217 Ekher 10030, 1009 Erron 10009, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europhon 10037 Europhon 10037 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10037 Evesham Technology 10244 Ferique 10009, 10817 Feilang 10009, 10817	1		
Electroninic 10178, 10030, 10073 Elekta 10009, 10264 Elfunk 11037, 11208 ELG 10037 Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elita 10009, 10264 Emerald 10178 10236, 10463, 10180, 10150, 10178, 10171, 10154, 10451, 10236, 10433, 10180, 10150, 10178, 10171, 11944, 11911, 10068, 10631, 10630, 10631, 10230, 10361, 10037, 10195, 10170, 10070, 10073 Enverson 11909, 10714, 1068, 1063, 10620, 10371, 10366, 10037, 10170, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10217 Ekher 10037, 10217 Ekher 10030, 10009 Erron 10001, 10009, 10163, 10820 Europa 10037		Electrograph	
Elfunk 11037, 11208 Elfunk 11037, 11208 Elin 10037 Elin 10037, 10218 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178 Emerald 10178, 1017, 10154, 10451, 10236, 10463, 10180, 10150, 10170, 10174, 10668, 10623, 101846, 10037, 10171, 11944, 11911, 1037, 101361, 10037, 10195, 10170, 10070, 10037, 10037, 10037, 10037, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilang 10009 Feilang 10009 Feilang 10037 Fero 10335, 10337, 10073, 10109, 10217 Feiguson 10264 </td <th></th> <td></td> <td>10178, 10030, 10073</td>			10178, 10030, 10073
ELG 10037 Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elita 10009, 10264 Emerald 10178 Emerald 10178, 1017, 10154, 10451, 10236, 10463, 10180, 10150, 10178, 10174, 10668, 10623, 101486, 10037, 10171, 11944, 11911, 1037, 101361, 10037, 10195, 10170, 10037, 10037, 10037, 10037, 10037, 10037, 10070, 10070, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Europa 10037 Europa 10037 Europa 10037 Europa 10037 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilang 10009, 10817 Ferener 10035, 10037, 10073, 10109, 10244 Ferguson			
Elin 10009, 10037, 10361, 10548 Elite 10037, 10218 Elta 10009, 10264 Emerald 10178 Image: Internation of the state of the	1		
Elite 10037, 10218 Elta 10009, 10264 Emerald 10178 Image: State	J		
Elta 10009, 10264 Emerald 10178 Image: Im	1		
Emerald 10178 10047, 10017, 10154, 10451, 10236, 10463, 10180, 10150, 10178, 10171, 11944, 11911, 11919, 10174, 10668, 10623, 10468, 10036, 10371, 10370, 10361, 10037, 10195, 10170, 10070, 10073 Emerson 11909, 10714, 10668, 10623, 10037, 10195, 10170, 10070, 1003, 10195, 10170, 10070, 10073 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037 ESA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 1019, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10053, 10037, 10073, 10109, 10174 Feiyue 10009, 10817 Feron 10335 Feilu 10053, 10037, 10073, 10109, 10193, 10243, 10548, 10560, 10625, 10343, 10548, 10560, 10625, 11037			
10047, 10017, 10154, 10451, 10236, 10463, 10180, 10150, 10178, 10171, 11944, 11911, 11909, 10714, 10688, 10623, 10486, 10036, 10371, 10370, 10070, 10037, 10195, 10170, 10070, 10033 Envision 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10195, 10170, 10073, 10073 ESA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europa 10037 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feiyae 10009, 10817 Feron 10335 Feruguson 10053, 10037, 10073, 10109, 10174 Feigue 10009, 10817 Feigue 10009, 10817 Feigue 10009, 10817 Feigue 10053, 10037, 10073, 10109, 10193, 10243, 10346, 10361, 10243, 10343, 10548, 10560, 10625, 11037 Feigue 10053, 10037, 10073,	1		
10236, 10463, 10180, 10150, 10178, 10171, 11944, 11911, 11919, 10714, 10668, 10623, 10486, 10036, 10371, 10370, 10070, 10073, 10195, 10170, 10070, 1003 Emerson 10030, 10813 Enzer 10860 Erae 11371 Erres 10037, 10195, 10170, 10073, 10195, 10170, 10070, 10073 EsA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10007, 10019, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europhon 10037, 10217, 10264, 10370 Europa 10037 Europa 10037 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10053, 10374 Fer0 10335 Ferque 10009, 10817 Ferque 10009, 10374 FerQ 10335, 10373, 10103, 10217, 10548, 10560, 10625, 11		Emerald	
Enzer 10860 Erae 11371 Erres 10037 ESA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feron 10335 Feron 10335 Feron 10335 Ferguson 10053, 10037, 10073, 10109, 10243, 10343, 10443, 10548, 10560, 10625, 10643, 10648, 10560, 10625, 10643, 10244, 10364,		Emerson	10236, 10463, 10180, 10150, 10178, 10171, 11944, 11911, 11909, 10714, 10668, 10623, 10486, 10036, 10371, 10370, 10361, 10037, 10195, 10170,
Erae 11371 Erres 10037 ESA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europa 10037 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10009, 10817 Feron 10335 Feron 10335 Ferguson 10053, 10037, 10073, 10109, 10217, 10244, 10356, 10625, 10645, 10645, 10645, 10645, 10645, 10646, 10645, 10645, 10646, 10645, 10646, 1		Envision	10030, 10813
Erres 10037 ESA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europa 10037 Europhon 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Fenner 10009, 10374 Fer0 10335 Ferguson 10053, 10037, 10073, 10109, 10243, 10343, 10443, 10548, 10560, 10625, 10433, 10443, 10548, 10560, 10625, 10643, 10648, 10560, 10625, 10643, 10244, 10364, 10364, 10364, 10371, 10512, 10244, 10364, 10364, 10364, 10371, 10512, 10244, 10364, 103	1	Enzer	10860
ESA 10812, 10171, 11944 ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Europa 10037 Europa 10037 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feroner 10009, 10817 Feroner 10009, 10374 FerO 10335 Forguson 10053, 10037, 10073, 10109, 10217, 10548, 10560, 10625, 10643, 10244, 10364, 10548, 10560, 10625, 10637, 10073, 10174, 10548, 10560, 10625, 10637, 10073, 10174, 10244, 10364, 10548, 10560, 10625, 10637, 10073, 10174, 10244, 10364, 10364, 10361, 10217, 10244, 10361, 10271, 10512 Fildelity 10171, 10037, 10163, 10217, 10524 Filsai 10217 Filsai 10217 Filsai 10217		Erae	11371
ESC 10037, 10217 Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feroner 10009, 10817 Feroner 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10243, 10348, 10560, 10625, 11037 10037 Fidelity 10171, 10037, 10163, 10217, 1024, 10361, 10371, 10512 Filsai 10217 10264, 10361, 10371, 10512	1	Erres	10037
Ether 10030, 10009 Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feroner 10009, 10817 Feroner 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10243, 10343, 10443, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10274, 10361, 10271, 10524, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		ESA	10812, 10171, 11944
Etron 10001, 10009, 10163, 10820 Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feroner 10009, 10817 Feroner 10009, 10374 FerO 10335 10053, 10037, 10073, 10109 10243, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 1024, 10361, 10371, 10512 Fidelity 10171, 10037, 10163, 10217, 10274, 10361, 10371, 10512 Filsai 10217 Filsai 10217		ESC	10037, 10217
Eurofeel 10217, 10264 Euroman 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10243, 10343, 10443, 10548, 10566, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10274, 10364, 10364, 10361, 10217, 10274, 10361, 10277 Filsai 10217 Filsai 10217 Filsai 10217		Ether	10030, 10009
Euroman 10037, 10217, 10264, 10370 Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109 10433, 10548, 10566, 10625, 11037 10433, 10548, 10566, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10274, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		Etron	10001, 10009, 10163, 10820
Europa 10037 Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10009 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiner 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10243, 10343, 10548, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 1044, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		Eurofeel	10217, 10264
Europhon 10037, 10109, 10217 Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10248, 10560, 10625, 11037 Fidelity 10171, 10037, 10153, 10217, 10244, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		Euroman	10037, 10217, 10264, 10370
Evesham Technology 11248 Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10433, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10274, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		Europa	10037
Evolution 11756 Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 FerO 10335 Ferguson 10053, 10037, 10073, 10109, 10343, 10443, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 1024, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217 Filsai 10217		Europhon	10037, 10109, 10217
Expert 10163 Exquisit 10037 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 Fer0 10335 Ferguson 10053, 10037, 10073, 10109, 10433, 10548, 10560, 10625, 110337 Fidelity 10171, 10037, 10163, 10217, 10274, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		Evesham Technology	11248
Exquisit 10037 Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 Fer0 10335 Ferguson 10053, 10037, 10073, 10109, 10343, 10548, 10548, 10548, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10274, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217			11756
Feilang 10009 Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 Fer0 10335 Perguson 10053, 10037, 10073, 10109, 10143, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Filsai 10217			10163
Feilu 10009, 10817 Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 Fer0 10335 Perguson 10153, 10037, 10073, 10109, 10195, 10287, 10335, 10343, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10124, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		1	10037
Feiyan 10264 Feiyue 10009, 10817 Fenner 10009, 10374 Fer0 10335 Perguson 10053, 10037, 10073, 10109, 10195, 10287, 10335, 10343, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Filsai 10217		*	
Feiyue 10009, 10817 Fenner 10009, 10374 Fer0 10335 10053, 10037, 10073, 10109, 10195, 10287, 10335, 10343, 10548, 10560, 10625, 11037 Ferguson 10143, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Filsai 10217	1		
Fenner 10009, 10374 Fer0 10335 10053, 10037, 10073, 10109, 10195, 10287, 10335, 10343, 10548, 10560, 10625, 11037 Ferguson 10143, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217		,	
Fer0 10335 Ferguson 10053, 10037, 10073, 10109, 10195, 10287, 10335, 10343, 10195, 10287, 10335, 10343, 10443, 10548, 10560, 10625, 11037 Fidelity 10171, 1037, 10163, 10217, 10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Finlandia 10163, 10208, 10346, 10361, 10371	1	,	
Ferguson 10053, 10037, 10073, 10109, 10195, 10287, 10335, 10343, 10443, 10548, 10560, 10625, 11037 Fidelity 10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Finlandia 10163, 10208, 10346, 10361,			
11037 Fidelity 10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512 Filsai 10217 Filsai 10217 Filsai 10217	1	FerO	
Indiany 10264, 10361, 10371, 10512 Filsai 10217 Finandia 10163, 10208, 10346, 10361,		Ferguson	11037
Filsai 10217 Finlandia 10163, 10208, 10346, 10361,		Fidelity	10171, 10037, 10163, 10217, 10264, 10361, 10371, 10512
		Filsai	
		Finlandia	

	Finlux	10037, 10346, 10714,	10070, 10480, 10715,	10163, 10556, 10808,	10217, 10631, 11556
	Firstar	10236,			
	Firstline	10361, 10714, 11363,	10037, 10374, 10808, 11371	10556, 11037,	10668, 11191,
	Fisher	10047, 10036, 10370	10054, 10208,	10154, 10217,	10000, 10361,
	Flint	10037, 10610	10218,	10264,	10455,
	Force	11149			
	Formenti	10037,	10163		
	Fortress	10093			
	Fraba	10037,	10370		
	Friac	10009, 10610	10037,	10370,	10499,
	Frontech	10009,	10163,	10217,	10264
	Fujimaro	10865,			
	Fujitsu	10809,	10217, 10853		10683,
	Fujitsu General		10217,		
	Fujitsu Siemens		10809,		
	Funai		10180, 11271,		10264,
	Furi		10264,		
	Furichi	10860			
	Futronic	10264,	10860		
	Futuretech	10180			
G	Galaxi	10037			
	Galaxis	10037,	10370		
	Ganxin	10817			
	Gateway	11755,	11756		
	GBC	10009,	10163,	10218,	10374
	GE	10051, 10060, 11922,	10047, 10451, 10178, 11917, 10560,	10093, 10030, 11347,	10180, 10092, 11147,
	GEC	10037,	10163,	10217,	10361
	Geloso		10163,	10374	
	Gemini	10047			
	General	10109,	10287		
	General Technic	10009			
	Genesis	10009,			
	Genexxa		10037,		
	Gericom	11298	10865,	10880,	11217,
	Gevalt	11371			
	Giant		10217	40000	
	Gibralter		10000,	10030	
	Go Video	10060,	10886		
	Go Vision	11937			
	Goldfunk	10668	10054	10154	10179
	GoldStar	10030, 10455, 10109, 10009,	10054, 10715, 10361, 10073, 10001	10714, 10714, 10217, 10037,	10606, 10163, 10036,

	Gooding	10487
	Goodmans	10000, 11909, 11900, 11163, 11037, 10880, 10808, 10714, 10668, 10661, 10634, 10625, 10587, 10560, 10556, 10499, 10487, 10480, 10374, 10371, 10343, 10335, 10264, 10218, 10217, 10037, 10036, 10035, 10011, 10009
	Gorenje	10370
	GPM	10218
	Gradiente	10053, 10037, 10170
	Graetz	10163, 10361, 10371, 10487,
	Gran Prix	10714, 11163 10648
	Granada	10036, 10037, 10108, 10163, 10208, 10217, 10226, 10343, 10548, 10560
	Grandin	10009, 10037, 10163, 10218, 10374, 10455, 10610, 10668, 10714, 10715, 10865, 10880, 11037, 11191
	Gronic	10217
	Grundig	10706, 10009, 10036, 10037, 10070, 10163, 10195, 10443, 10487, 10556, 10587, 10672, 10683, 11371
	Grundy	10180, 10195
	Grunkel	11163
	Grunpy	10180
١,	H & B	10808
	Haaz	10706
	Haier	11034, 10037, 10508, 10587, 10698, 11017
	Haihong	10009
	Haiyan	10264, 10817
	Halifax Hallmark	10217, 10264
		10236, 10180, 10178 10217
	Hampton Hanimex	10217
	Hankook	10180, 10178, 10030
	Hanseatic	10009, 10037, 10217, 10361, 10370, 10394, 10499, 10556, 10634, 10661, 10714, 10808
	Hantarex	10009, 10037, 10865
	Hantor	10037
	Harley Davidson	10000, 10180, 10060, 10178, 10030, 11904
	Harman/Kardon	10054
	Harsper	10865
	Harvard	10180
	Harwa	10773, 11196, 11269
	Harwood	10009, 10037, 10487
	Hauppauge	10037
	Havermy	10093 10009, 10037, 10217, 10218,
	HCM	10264, 10418
	Heathkit	10017
	Helios	10865
	Hello Kitty	10451

Hema 10009, 10217 Hewlett Packard 11494, 11502 Hifvox 10109 Highline 10037, 10264 Hikona 10218 Hikone 10208, 10236, 10037, 10163 Hinari 10009, 10036, 10037, 10163 Hisawa 10218, 10264, 10352 Hisawa 10218, 10455, 10610, 10714 Hisense 1056, 10748, 10145, 10009 10821, 10860, 11022, 1156 10157, 1033 11027, 11326, 10155, 10051, 10150 10047, 10804, 10017, 10000 1027, 1028, 10333, 10039, 10125, 10150 10178, 10030, 11145, 10155 10092, 10744, 10807, 10134 10037, 10036, 10033, 10009 Hitachi 11170, 11225, 11576, 11904 1150, 10157, 10544, 10508 10037 Hitachi 10150, 10108, 10840 Hitachi 10150, 10108, 10840 Hitachi 10009, 10218, 10455, 10610 Home Electronics 10606 Homgei 10037 Hongmei 10037 Hongyan 10264, 10817 Hongyan 100264, 10817 Huaghan <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
Hifvox 10109 Highline 10037, 10264 Hikona 10218 Hikone 10218 Hinari 10009, 10036, 10037, 10163 Iniari 10208, 10218, 10264, 10352 Hisawa 10218, 10455, 10610, 10714 Hisawa 10218, 10455, 10610, 10714 Hisense 10208, 10508, 10556, 10780 10208, 10508, 10556, 10780 10281, 10860, 11022, 11156 Hisense 10047, 10054, 10017, 10000 11256, 10156, 10174, 10877, 10634 10037, 11137, 11149, 11156 Hitachi 10047, 10054, 10017, 10000 11256, 10156, 10030, 11145, 10109 10037, 10138, 10109, 10034 10037, 10178, 10030, 11145, 10163 10191 Hitachi 10037, 10108, 10860 Hitachi Fujian 10150, 10108, 10860 Hitachi 10093, 10009, 10264, 10817 Hongmei 10093, 10009, 10264, 10817 Honggan 10264, 10817 Horgyan 10264, 10817 Honggan 10029, 10217, 10264, 10374, 10817 Huangthe 10009, 10817 Huangthamie 10009 <td></td> <td></td> <td></td> <td></td> <td></td>					
Highline 10037, 10264 Hikona 10218 Hikone 10218 Hinari 10009, 10036, 10037, 10163 Hinari 10208, 10218, 10264, 10352 Hisawa 10218, 10455, 10610, 10714 Hisense 10156, 10748, 10145, 10009 Hisense 10208, 10508, 10556, 10780 10208, 10508, 10556, 10780 10860, 11022, 11156 11770, 11208, 11363 11027, 10030, 11145, 10145 Hitachi 10047, 10054, 10017, 10000 11256, 10156, 10030, 11145, 10145 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 Hitachi 10037, 10030, 10148, 10033 10037, 10030, 1018, 10800 Hitachi Hitachi 10150, 10108, 10800 Hitachi 10091, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hongma 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huanghaimei 10009 Huanghaimei <td></td> <td></td> <td>11502</td> <td></td> <td></td>			11502		
Hikona 10218 Hikone 10218 Hinari 10009, 10036, 10037, 10163 Hinari 10208, 10218, 10254, 10352 Hisawa 10218, 10455, 10610, 10714 Hisawa 10218, 10455, 10610, 10714 Hisense 10208, 10508, 10556, 10780 1028, 10508, 10122, 11156 10047, 10034, 10017, 10000 11170, 11208, 11363 10047, 10034, 10017, 10000 11170, 11225, 11576, 11934 10037, 1017, 10030, 11145, 10145 Hitachi 10037, 1017, 10030, 11145, 10163 10037, 10036, 10035, 10009 10178, 10030, 11145, 10169 Hitachi 10150, 10108, 10848, 10508 Hitachi 10150, 10108, 10480 Hitachi 10097, 10034, 10035, 10009 Hitachi 10097, 10108, 10860 Hitec 10698 Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hornyphon 10037 Hornyphon 10037 Hornyphon 10037 Huaglong 10044, 10817 H					
Hikone 10218 Hinari 10009, 10036, 10037, 10163 Hinari 10208, 10218, 10264, 10352 Idawa 10218, 10245, 10610, 10714 Hisawa 10218, 1056, 10748, 10145, 10009 Hisense 10208, 10508, 10556, 10780 10208, 10508, 10556, 10780 10802, 11080, 11022, 11156 10170, 11208, 11363 10047, 10054, 10017, 10000 11256, 10156, 10051, 10150 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 10092, 10744, 10877, 10634 10037, 10036, 10035, 10009 Hitachi 11037, 11137, 10149, 11502 Hitachi 10037, 10018, 10800 Hitec 10698 Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Honggan 1024, 10817 Horgyphon 10037 Horgyphon 10037 Huangtong 10009 Huangtong 10009 Huangtong 10009 Huangtong	•		10264		
Hinari 10009, 10036, 10037, 10163 Hinari 10208, 10218, 10244, 10352 Hikawa 10218, 10455, 10610, 10714 Hisense 10208, 10508, 10556, 10780 10821, 10860, 11022, 11156 10748, 10145, 10009 Hisense 10047, 10054, 10017, 10000 11756, 10748, 10145, 10009, 11022, 11156 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 10047, 10054, 10017, 10000 11256, 10751, 10153 10178, 10030, 11145, 10150 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 Hitachi 11037, 11021, 10163, 10019, 10430, 10333 10037, 10036, 10035, 10009 10448, 10343 10037, 10036, 10035, 10009 10448, 10455, 10610 Hete 10698 Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hornyphon 10037 Hornyphon 10037 Hornyphon 10037 Houaghaimei 10009 Huangtha					
Hinari 10208, 10218, 10264, 10352 10443 Hisawa 10218, 10455, 10610, 10714 Hisense 10208, 10508, 10556, 10780 10821, 10800, 11022, 11156 10748, 10145, 10009 Hisense 10047, 10954, 10017, 10000 11256, 10748, 101145, 10103 10047, 10954, 10017, 10000 11256, 10155, 10151, 10150 10178, 10030, 11145, 10154 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 10092, 10744, 10877, 10634 Hitachi 10037, 10108, 10980, 10343 10037, 10036, 10035, 10009 Hitachi 10150, 10108, 10860 Hitec 10698 Hitsu 10093, 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hongyan 1024, 10817 Horyphon 10037 Hoaghaimei 10009 Huafa 10145, 1009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 100151 Huangon 10217	Hikone		10000	10007	10400
Hisense 10156, 10748, 10145, 10009 Hisense 10208, 10558, 10780 10821, 10800, 11022, 11156 10047, 10054, 10017, 10000 101770, 11208, 11363 10047, 10054, 10017, 10000 10178, 10030, 11145, 10145 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 Hitachi 11037, 11031, 10149, 10548, 10508 10037, 10036, 10035, 10009 10243, 10019, 10343 10037, 10036, 10035, 10009 10037, 10036, 10035, 10009 Hitachi Fujian 10150, 10108, 10860 Hitec 10698 Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huanghe 10009, 10817 Huangtong 10024 Huangtong 10024 Huangtong 10217 Huangtong 10217 Huangoson 1121	Hinari	10208,			
Hisense 10208, 10508, 10556, 10780 10821, 10860, 11022, 11156 10047, 10054, 10017, 10000 11256, 10156, 10051, 10150 10092, 10744, 10877, 10634 Hitachi 11037, 11137, 11149, 11156 10047, 10054, 10017, 10000 10178, 10030, 11145, 10154 10092, 10744, 10877, 10634 11037, 11137, 11149, 11156 10092, 10744, 10877, 10634 11170, 11225, 11576, 11904 11170, 11225, 11576, 11904 11170, 11225, 11576, 11904 11149, 10480, 1033, 10009 10431, 10480, 1033, 10009 Hitachi Fujian 10150, 10108, 10860 Hitec 10698 Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Horn Hornyphon 10037 Hongmei 10037 Houry Huarpha 1009 Huarphaimei 10009 Huanghamei 10009 Huangu	Hisawa				
11256, 10156, 10051, 10150 10178, 10030, 11145, 10145 10092, 10744, 10877, 10634 11037, 11137, 11149, 11156 11170, 11225, 11576, 11904 11060, 10578, 10548, 10508 10499, 10481, 10480, 10343 10217, 10163, 10109, 10108 10037, 10036, 10035, 10009 Hitachi Fujian 10150, 10108, 10860 Hitsu 10091, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10093, 10009, 10264, 10817 Hongmei 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huaghaimei 10009 Huanghaimei 10009 Huanglong 10009 Huanglong 10009 Huanglong 10009 Huanglong 10009 Huanglong 10009 Huanglong 10027	Hisense	10208, 10821, 11170,	10508, 10860, 11208,	10556, 11022, 11363	10780, 11156,
Hitachi Fujian 10150, 10108, 10860 Hitec 10698 Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hongyan 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huagha 10145, 10009 Huanghe 10009, 10817 Huanghaimei 10009 Huanghamei 10009 Huangshan 10009, 10264, 10817 Huangu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10091, 10217 Hyper 100361 Hyper 10037, 10217, 10264, 10455 Hypen 10361 Hypen 10486, 10556, 10668, 10714 10715, 11037 10849, 10860, 10865, 10876	Hitachi	11256, 10178, 10092, 11037, 11170, 11960, 10499, 10217,	10156, 10030, 10744, 11137, 11225, 10578, 10481, 10163,	10051, 11145, 10877, 11149, 11576, 10548, 10480, 10109,	10150, 10145, 10634, 11156, 11904, 10508, 10343, 10108,
Hitsu 10009, 10218, 10455, 10610 Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hongyan 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghe 10009, 10817 Huanghe 10009, 10817 Huanghaimei 10009 Huangshan 10009, 10264, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hyper 10037, 10217, 10264, 10455 Hypersonic 10361 Hypersonic 10361 Hypersonic 10374 10849, 10866, 10566, 10668, 10714 10715, 11037 Hyundai 10849, 10866, 10865, 10876 11556	Hitachi Fujian				
Hoeher 10714, 10865, 11163, 11556 Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hongyan 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huangshan 10009, 10264, 10817 Huangu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10037, 10217, 10264, 10455 Hyper 10037, 10217, 10264, 10455 Hypersonic 10361 Hypersonic 10361 Hypersonic 1037, 10217, 10264, 10455 Hybein 10037, 10217, 10264, 10455 Hotafé, 10556, 10666, 10714 10714 Hypersonic 10361	Hitec	10698			
Home Electronics 10606 Hongmei 10093, 10009, 10264, 10817 Hongyan 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huangshan 10009, 10264, 10817 Huangu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hygashi 10217 Hyper 10037, 10217, 10264, 10455 Hypson 10361 Hypersonic 10361 Hyundai 10849, 10866, 10668, 10714 1056 10668, 10714 Hyundai 10849, 10800, 10865, 10876 11556 10037 ICE 10237, 10217, 10218, 10264	Hitsu	10009,	10218,	10455,	10610
Hongmei 10093, 10009, 10264, 10817 Hongyan 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghe 10009, 10817 Huanghaimei 10009 Huanghamei 10009 Huangshan 10009, 10264, 10817 Huangshan 10009, 10264, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hyper 10037, 10217, 10264, 10455 Hyper 10037, 10217, 10264, 10455 Hypen 10037, 10217, 10264, 10455 Hypen 10037, 10869, 10866, 10714 Hypen 10037, 10217, 10218, 10264 Hyundai 10849, 10860, 10865, 10876 11556 10687 Houria 10037, 10217, 1021	Hoeher	10714,	10865,	11163,	11556
Hongyan 10264, 10817 Hornyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huangshan 10009, 10264, 10817 Huangu 10217, 10264, 10374, 10817 Huangu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hypson 10361 Hypson 10361 Hyundai 10849, 10866, 10668, 10714 1056 10668, 10714 Hyundai 10849, 10866, 10865, 10876 11556 10037 ICE 10371 ICE 10218	Home Electronics	10606			
Horyphon 10037 Hoshai 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghe 10009, 10817 Huanghe 10009, 10817 Huanghe 10009, 10264, 10817 Huangshan 10009, 10264, 10817 Huaqiang 10264 Huari 10145, 10264 Huagoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hypson 10436, 10556, 10668, 10714 10715, 11037 10849, 10860, 10865, 10876 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10218	Hongmei	10093,	10009,	10264,	10817
Hosh 10218, 10455 HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghaimei 10009 Huangham 10009, 10264, 10817 Huangshan 10019, 10264, 10374, 10817 Huanyu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hypson 103466, 10566, 106668, 10714 10715, 11037 10849, 10860, 10865, 10876 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10371 Ho218 10218	Hongyan	10264,	10817		
HP 11494, 11502 Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghe 10009, 10817 Huanghe 10009, 10817 Huanghe 10009, 10264, 10817 Huangshan 10009, 10264, 10817 Huanyu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hypson 10361 Hypson 10849, 10860, 10865, 10876 11556 10668, 10714 Hyundai 10849, 10860, 10865, 10876 11556 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Hornyphon	10037			
Hua Tun 10009 Huafa 10145, 10009 Huanghaimei 10009 Huanghaimei 10009 Huanghe 10009, 10817 Huanghe 10009, 10817 Huanghe 10009, 10264, 10817 Huangshan 10009, 10264, 10817 Huangshan 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hypersonic 10361 10715, 11037 10486, 10556, 10668, 10714 Hypson 10849, 10860, 10865, 10876 11556 10867, 10877 Iberia 10037 ICE 10371 ICES 10218	Hoshai	10218,	10455		
Huafa 10145, 10009 Huanghaimei 10009 Huanghe 10009, 10817 Huanghe 10009, 10817 Huanglong 10009, 10264, 10817 Huangshan 10009, 10264, 10817 Huanyu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hypersonic 10361 Hypson 103466, 10556, 10668, 10714 10715, 11037 10849, 10860, 10865, 10876 Hyundai 10849, 10860, 10865, 10876 10561 10555 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	HP	11494,	11502		
Huanghaimei 10009 Huanghe 10009, 10817 Huanglong 10009 Huangshan 10009, 10264, 10817 Huangshan 10019, 10264, 10374, 10817 Huanyu 10217, 10264, 10374, 10817 Huari 10145, 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hypson 10361 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Hua Tun	10009			
Huanghe 10009, 10817 Huanglong 10009 Huangshan 10009, 10264, 10817 Huanyu 10217, 10264, 10374, 10817 Huanyu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hypersonic 10361 Hypson 1037, 10217, 10264, 10455 Hyundai 10849, 10860, 10866, 10668, 10714 1556 10668, 10714 Hyundai 10837, 10217, 10218, 10264 ICE 10037, 10217, 10218, 10264 ICES 10218	Huafa	10145,	10009		
Huanglong 10009 Huangshan 10009, 10264, 10817 Huanyu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hypersonic 10361 Hypson 10346, 10556, 10668, 10714 10715, 11037 10849, 10860, 10865, 10876 Iberia 10037, 10217, 10218, 10264 ICE 1037, 10217, 10218, 10264	Huanghaimei	10009			
Huangshan 10009, 10264, 10817 Huangyu 10217, 10264, 10374, 10817 Huaqiang 1024 Huari 10145, 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hyper 10009, 10217 Hyper 10037, 10217, 10264, 10455 Hypson 10361 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 1037, 10217, 10218, 10264 ICeS 10218	Huanghe	10009,	10817		
Huanyu 10217, 10264, 10374, 10817 Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hygashi 10217 Hyper 10009, 10217 Hypersonic 10361 Hypson 10486, 10556, 10668, 10714 10715, 11037 10849, 10860, 10865, 10876 Iberia 10037, 10217, 10218, 10264 ICE 10371 ICeS 10218	Huanglong	10009			
Huaqiang 10264 Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hygashi 10217 Hyper 10009, 10217 Hypersonic 10361 Hypson 10037, 10217, 10264, 10455 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Huangshan	10009,	10264,	10817	
Huari 10145, 10264 Hugoson 11217 Huodateji 10051 Hygashi 10217 Hyper 10009, 10217 Hypersonic 10361 Hypson 10486, 10556, 10668, 10714 Hypton 10849, 10860, 10865, 10876 Hyundai 10849, 10800, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Huanyu	10217,	10264,	10374,	10817
Hugoson 11217 Huodateji 10051 Hygashi 10217 Hyper 10009, 10217 Hypersonic 10361 Hypson 10486, 10556, 10668, 10714 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Huaqiang	10264			
Hudateji 10051 Hygashi 10217 Hyper 10009, 10217 Hypersonic 10361 Hypson 10486, 10556, 10668, 10714 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Huari	10145,	10264		
Hygashi 10217 Hyper 10009, 10217 Hypersonic 10361 Hypson 10486, 10556, 10668, 10714 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Hugoson	11217			
Hyper 10009, 10217 Hypersonic 10361 Hypson 10486, 10556, 10668, 10714 Hyundai 10849, 10800, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Huodateji	10051			
Hypersonic 10361 Hypson 10037, 10217, 10264, 10455 Hypson 10486, 10556, 10668, 10714 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Hygashi	10217			
10037, 10217, 10264, 10455 Hypson 10486, 10556, 10668, 10714 10715, 11037 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Hyper	10009,	10217		
Hypson 10486, 10556, 10668, 10714 10715, 11037 10037 Hyundai 10849, 10860, 10865, 10876 Iberia 10037 ICE 10037, 10217, 10218, 10264 ICeS 10218	Hypersonic				
Hyundai 10849, 10860, 10865, 10876 11556 Iberia 10037 ICE 10037, 10217, 10218, 10264 10371 ICeS 10218	Hypson				
ICE 10037, 10217, 10218, 10264 10371 ICeS 10218	,	10849, 11556			
10371 ICeS 10218	Iberia				
		10371	10217,	10218,	10264,
lıyama 10877, 11217					
	liyama	10877,	11217		

Ima	10236, 10180, 10178
Imperial	10037, 10074, 10370, 10418
Imperial Crown	10001, 10009, 10264, 10374 10661
Indiana	10037
Infinity	10054
InFocus	11164
Ingelen	10163, 10487, 10610, 10714
Ingersol	10009
Inno Hit	10009, 10217, 10218, 11163
Innova	10037
Innowert	10865, 11298
Inotech	10773, 10820
Insignia	10171, 11517
Inteq	10017, 10145
Interbuy	10009, 10037, 10264
Interfunk	10037, 10109, 10163, 10200 10327, 10361, 10512
Internal	10037, 11909
	10009, 10037, 10217, 10218
Intervision	10264, 10394, 10455, 10486 10487
Irradio	10009, 10037, 10218, 10371
Isukai	10037, 10218, 10455
ITC	10217
ITS	10037, 10218, 10264, 10371
ITT	10163, 10208, 10346, 10361 10480, 10548, 10610
ITT Nokia	10070, 10163, 10195, 10208 10346, 10361, 10480, 10548 10606, 10610
ITV	10037, 10264, 10374
IX	10877
JBL	10054
JCB	10000
JDV	11982
la au	10156, 10051, 10236, 10092
Jean	
	10009, 10036
JEC	10009, 10036 10035
JEC Jensen	10009, 10036 10035 10761, 10815, 10817, 11933
JEC	10009, 10036 10035
JEC Jensen Jiahua	10009, 10036 10035 10761, 10815, 10817, 11933 10051
JEC Jensen Jiahua JiaLiCai	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264
JEC Jensen Jiahua JiaLiCai JIL	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030
JEC Jensen Jiahua JiaLiCai JIL Jinfeng	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10817 10054, 10156, 10145, 10009 10037, 10264, 10556, 10698
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque Jinta	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10145, 10009 10037, 10264, 10156, 10145, 10009 10037, 10821, 11011
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque Jinta Jinxing	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10817 10054, 10156, 10145, 10009 10037, 10264, 10556, 10698
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque Jinta Jinxing JMB	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10156, 1009 10037, 10264, 101556, 10698 10817, 10821, 11011 10443, 10499, 10556, 10634 10876
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque Jinque Jinta Jinxing JMB JNC	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10156, 10009 10037, 10264, 101556, 10698 10817, 10821, 11011
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque Jinque Jinta Jinxing JMB JNC Jocel	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10156, 10145, 10009 10037, 10264, 10156, 1056, 10638 10817, 10821, 11011 10443, 10499, 10556, 10634 10876 10712
JEC Jensen Jiahua JiaLiCai JIL Jinfeng Jinque Jinque Jinta Jinxing JMB JNC JOCel Johnson	10009, 10036 10035 10761, 10815, 10817, 11933 10051 10009, 10264 10030 10051, 10208, 10226, 10817 10009, 10264, 10817 10009, 10264, 10145, 10009 10037, 10264, 10556, 10638 10817, 10821, 11011 10443, 10499, 10556, 10634 10876 10712 10455

J

	JVC	10054, 10093, 10463, 10053, 10030, 10070, 10036, 10218, 10371, 10418, 10508, 10606, 10650, 10653, 10683, 10731, 11253, 11923
K	Kaige	10009, 10264, 10817
	Kaisui	10009, 10037, 10217, 10218, 10455
	Kambrook	10217
	Kamp	10017, 10180, 10217
	Kangli	10001, 10009, 10264, 10374, 10661, 10817
	Kangyi	10009, 10264
	Kapsch	10163, 10361
	Karcher	10264, 10370, 10606, 10610, 10714, 10778, 11556
	Kathrein	10556
	Kawa	10371
	Kawasho	10030
	KB Aristocrat	10163
	KDS	11498
	KEC	10180, 10060
	Kendo	10037, 10362, 10370, 10610, 10648, 11037
	Kennedy	10163
	Kennex	10668, 11037
	Kenwood	10180, 10030
	Khind	10706
	KIC	10217
	Kiota	10001, 10371, 10455
	Kioto	10706, 10556
	Kiton	10037, 10668
	KLH	10156, 10180, 10765, 10767, 11962
	KLL	10037
	Kloss	10030
	Kneissel	10037, 10362, 10370, 10374, 10499, 10556, 10610
	Kolin	10180, 10150, 10053, 10036, 10108, 11331
	Kolster	10037, 10218
	Kongque	10009, 10264, 10817
	Konichi	10009
	Konig	10037
	Konka	10180, 10037, 10218, 10371, 10418, 10587, 10641, 10714, 10817, 11084
	Kontakt	10487
	Korpel	10037
	Korting	10370
	Kosmos	10037
	Koyoda	10009
	Kreisen	10876
	KTV	10463, 10180, 10030, 10217
	Kuaile	10009, 10264
	Kulun	10009
	Kunlun	10051, 10208, 10226, 10264, 10374, 10661, 10817

Kyoshu	10418
Kyoto	10163, 10217
L&S Electronic	10714, 10808, 10865
Lark	10154
LaSAT	10486
Lavis	11037
Leader	10009
Lecson	10037
Legend	10009
Lenco	10037, 10374, 10587
Lenoir	10009
Lexsor	11196
Leyco	10037, 10264
LG	10054, 11265, 10060, 10178, 10030, 11758, 11637, 11191, 11178, 10856, 10715, 10714, 10700, 10698, 10556, 10370, 10361, 10217, 10163, 10109, 10108, 10037, 10009, 10001
Liesenk & Tter	10037
Liesenkotter	10037, 10327
Lifetec	10009, 10037, 10218, 10374, 10668, 10683, 10714, 11037, 11137
Lihua	10817
Lloyd's	10236, 10180, 10030, 10001,
Local India TV	10009, 11904 10009, 10208, 10602
Local Malaysia TV	10698
Lodos	11037
	10037, 10370, 10512, 10633,
Loewe	10790
Logik	10236, 10180, 10060, 10001, 10009, 10011, 10371, 10698, 10773, 10880, 11037, 11217
Logix	10668
Longjiang	10264, 10817
Luker	11982
Luma	10009, 10163, 10362, 10374, 11037
Lumatron	10037, 10073, 10163, 10217, 10264, 10361, 10556
Lux May	10009, 10037
Lux Ividy	10163, 10208, 10217, 10346.
Luxor	10163, 10208, 10217, 10346, 10361, 10480, 10548, 10631, 11037, 11163
LXI	10047, 10054, 10017, 10154, 10000, 10156, 10051, 10093, 10060, 10053, 10178, 10030, 10171, 10166, 10037, 10036, 10035, 10001, 10208
M Electronic	10033, 10001, 10208 10009, 10037, 10109, 10163, 10195, 10217, 10287, 10343, 10346, 10374, 10480, 10512, 10634, 10661, 10714
Madison	10037
MAG	11498
Magnadyne	10054, 10163
Magnafon	10073
Magnasonic	10054, 10000, 10156, 10093, 10030, 10092, 10109

L

Μ

Magnavox	10047, 11454, 10054, 10154, 10000, 10250, 10051, 10180, 10060, 10030, 10171, 10092, 10706, 11944, 11904, 11755, 11254, 10802, 10780, 10011, 10035, 10037, 10036
Magnum	10037, 10648, 10714, 10715
Majestic	10017
Mandor	10264
Manesth	10035, 10037, 10217, 10264
Manhattan	10037, 10668, 10778, 10876, 11037, 11267
Marantz	11454, 10054, 10030, 10037, 10556, 10704, 10855
Mark	10009, 10037, 10217, 10374, 10714, 10715
Master's	10499
Mastro	10053, 10706, 10698, 10780
Masuda	10009, 10037, 10217, 10218, 10264, 10371
Matsui	11037, 10744, 10714, 10556, 10487, 10455, 10443, 10433, 10371, 10352, 10335, 10217, 10208, 10195, 10163, 10037, 10036, 10035, 10011, 10009
Matsushita	10250, 10051, 10650
Maxdorf	10773
Maxent	11755, 11756
Maxim	11556, 11982
MCE	10009
Meck	10698
Mediator	10037, 10556
Medion	10037, 10512, 10556, 10668, 10698, 10714, 10808, 10880, 11037, 11137, 11248, 11900
Megapower	10700
Megas	10610
Megatron	10047, 10178, 10145, 10009
MEI	11037
Meile	10264, 10817
Memorex	10154, 10250, 10463, 10180, 10150, 10060, 10178, 10030, 10009, 10035, 10037, 10195, 10877, 11037, 11911
Memphis	10009
Mercury	10060, 10001, 10009, 10037
Mermaid	10037
Metronic	10625
Metz	10037, 10195, 10367, 10388, 10447, 10587, 10668, 10746, 11163
MGA	10150, 10178, 10030, 10218, 10374
MGN Technology	10178
Micro Genius	10150
Micromaxx	10037, 10668, 10714, 10808, 11037
Microstar	10808
MicroTEK	10820, 10860
Midland	10047, 10017, 10051
Mikomi	11037, 11149

Minato	10037,	10556		
Minerva	10070,	10108,	10195,	10487
Minoka	10037			
Mirror	11900			
Mitsubishi	10180, 10030, 10817,	10250, 11250, 11917, 10556, 10037,	10150, 11037, 10512,	10178, 10836, 10195,
Mivar	10217			
Vonaco	10009			
Monivision	10700,	10843		
Vlorgan's	10037			
Vlotorola	10054,	10051,	10093,	10150
VITC	10011,	10060, 10370,		10092,
MTlogic	10714	40000	40000	40000
Mudan	10264,			
Multitec	11556			11037,
Multitech	10264,	10009, 10370,		10217,
Murphy	10163			
Musikland Mx Onda	10218 11498			
/lyryad	10556	10178	10166	10037,
NAD Naiko	10361,	10866, 10606,	11156	10007,
Vakimura	10037,		TIJUZ	
Vanbao	10009,			
Vansheng	10264,			
Jarita	11982	10017		
IAT	10226			
National		10208,	10226	10508
NEC	10047, 10053, 11270, 10661, 10455, 10170,	10154, 10178, 11170, 10653, 10374, 10036,	10156, 10030, 10817, 10508, 10264, 10011,	10051, 11704, 10704, 10499, 10217, 10009
Neckermann	10037, 10418,		10327,	10370,
NEI		10163,	10371	
leovia		10876,		
Vetsat	10037	23.3,		
VetTV	11755			
Neufunk		10037, 10714	10218,	10556,
New Tech				10343,
New World	10218			
Newave		10178,		
Vikkai	10009, 10163,	10035, 10217,	10036, 10218,	10037, 10264
Nikkei	10714			
Nikko		10030,		
Nikkodo	10178,	10030,	10092	

Ν

Nishi	10030
Nobliko	10070
Nogamatic	10109
Nokia	10163, 10208, 10346, 10361, 10374, 10480, 10548, 10606, 10610, 10631
Norcent	10748, 10824
Nordic	10217
Nordmende	10037, 10109, 10195, 10287, 10343, 10560, 10714
Normerel	10037
Novatronic	10037, 10374
NTC	10092
Nu-Tec	10455, 10698, 10820
Nyon	10000
Oceanic	10163, 10208, 10361, 10548
Odeon	10264
Okano	10009, 10037, 10264, 10370
Olevia	11144, 11240, 11331, 11610
Omega	10264
Omni	10748, 10698, 10780, 10872
Onida	10053, 11253
Onimax	10714
Onwa	10180, 10218, 10371, 10433, 10602
Opera	10037
Optimus	10154, 10250, 10093, 10180, 10150, 10178, 10030, 10166, 10650
Optoma	10887
Optonica	10093
Orbit	10037
Orcom	11504
Orion	10017, 10236, 10463, 10180, 10178, 11463, 10011, 10037, 10264, 10443, 10556, 10714, 10880, 11196, 11911
Orline	10037, 10218
Ormond	10668, 11037
Osaki	10037, 10217, 10218, 10264, 10374, 10556
Osio	10037
Oso	10218
Osume	10036, 10037, 10218
Otic	11498
Otto Versand	10093, 10036, 10037, 10109, 10195, 10217, 10226, 10343, 10361, 10512, 10556
Pace	10092
Pacific	10037, 10443, 10556, 10714, 11037, 11137
Palladium	10037, 10443, 10556, 10714, 11037, 11137 10037, 10163, 10200, 10217, 10327, 10370, 10418, 10556, 10714, 11137
Palsonic	10001, 10037, 10217, 10218, 10264, 10418, 10698, 10773, 10778, 11196, 11269, 11904
	10778, 11196, 11269, 11904
Panama	10778, 11196, 11269, 11904 10009, 10037, 10217, 10264

Panasonic	10054, 10000, 10156, 10250, 10051, 10236, 10030, 11947, 11946, 11941, 11480, 11310, 11291, 11271, 10853, 10650, 10548, 10508, 10367, 10361, 10226, 10208, 10163, 10108, 10037, 10035
Panavision	10037, 10033
Panda	10051, 10706, 10009, 10208, 10226, 10264, 10508, 10698, 10780, 10817, 10821
Pathe Cinema	10163
Pathe Marconi	10109
Pausa	10009
Paxonic	10060, 10030
PCE	10156, 10060
Penney	10047, 10000, 10156, 10250, 10051, 10060, 10178, 10030, 10035, 10036, 10037, 10070, 10108, 11347
Perdio	10037, 10163
Perfekt	10037
Petters	11523
Philco	10054, 10451, 10463, 10180, 10178, 10030, 10145, 11661, 10037, 10074, 10163, 10370, 10418
Philharmonic	10217
Philips	11454, 10054, 10017, 10000, 10051, 10178, 10030, 10171, 10092, 11961, 11756, 11254, 10690, 10556, 10512, 10374, 10361, 10343, 10200, 10108, 10037, 10009
Phocus	10714
Phoenix	10037, 10163, 10370, 10486
Phonola	10037, 10556
Pilot	10051, 10060, 10178, 10030, 10706, 10011
Pioneer	10166, 10011, 10037, 10109, 10163, 10170, 10287, 10361, 10370, 10486, 10512, 10679, 10760, 10866, 11260
Pionier	10370, 10486, 11556
Plantron	10009, 10037, 10264
Playsonic	10037, 10217, 10714, 10715
Polaroid	10765, 10865, 11276, 11316, 11341, 11498, 11523
Рорру	10009
Portland	10451, 10092, 10374
Powerpoint	10037, 10487, 10698
Prandoni-Prince	10361
Precision	10236, 10180, 10217
Premier	10009, 10264
President	10860
Prima	10761, 10009, 10264, 10783, 10815, 10817, 11269, 11933
Princeton	10700
Prinston	11037
Prinz	10361
Prism	10250, 10051

Profex	10009, 10163, 10361
Profi	10009
Profilo	11556
Profitronic	10037
Proline	10037, 10073, 10625, 10634, 11037
Proscan	11447, 10047, 11347, 11922
Prosco	10156
Prosonic	10037, 10217, 10370, 10371, 10374, 10668, 10714
Protec	10009, 10037, 10217, 10264
Protech	10009, 10037, 10217, 10264, 10418, 10486, 10668, 11037
Proton	10178, 10030, 10001, 10009
Proview	11498
ProVision	10037, 10556, 10714, 11037
Pulsar	10017, 10092
Pulser	10178, 10092
Pvision	10876, 11191
Руе	10037, 10374, 10556
Pymi	10009
Qingdao	10051, 10208, 10226, 10264, 10817
Quadral	10051, 10218
Quartz	10150, 10178
Quasar	10250, 10051, 10009, 10035, 10650, 10865
Quelle	10011, 10037, 10070, 10074, 10109, 10195, 10200, 10327, 10361, 10512, 10668, 11037
Questa	10036
Questar	10036
R-Line	10037
Rabbit	10047
Radialva	10163, 10218
Radiola	10037, 10217, 10556
Radiomarelli	10037
RadioShack	10047, 10154, 10180, 10150, 10178, 10030, 10037, 11904
Radiotone	10009, 10037, 10264, 10370, 10418, 10648, 10668, 11037
Rank	10070
Rank Arena	10036, 10602
RBM	10070
RCA	11447, 10047, 11454, 10054, 10000, 10051, 10093, 10178, 10030, 10092, 11958, 11953, 11948, 11922, 11917, 11547, 11347, 11247, 11147, 11047, 10679, 10625, 10560, 10090
Realistic	10047, 10154, 10180, 10150, 10178, 10030
Recor	10037, 10418
Rectiligne	10037
Rediffusion	10036, 10163, 10346, 10361, 10548
Redstar	10037
Reflex	10037, 10668, 11037
Relisys	10865, 10876, 10877, 11207, 11298

0

R

Remotec	10250, 10093, 10145, 10171, 10037
Reoc	10714
Revox	10037
Rex	10163, 10264
RFT	10037, 10264
Rinex	10773
Roadstar	10009, 10037, 10218, 10264, 10418, 10668, 10714, 11037, 11900
Rolson	11371
Rover	10036, 10877
Rowa	10748, 10009, 10037, 10264, 10587, 10698, 10712, 10817
Royal Lux	10335, 10370
Runco	10017, 10060, 10030
Ruyi	10817
Saba	10250, 10109, 10163, 10287, 10335, 10343, 10361, 10498, 10548, 10560, 10625, 10714
Sagem	10455, 10610, 10618
Saige	10009, 10817
Saisho	10009, 10011, 10163, 10217, 10264
Saivod	10037, 10668, 10712, 11037, 11163, 11556, 11982
Sakai	10163
Sakyno	10455
Salora	10163, 10208, 10361, 10480, 10548, 10631
Salsa	10335
Sampo	10047, 10154, 10093, 10178, 10030, 10171, 10092, 10009, 10036, 10650, 10700, 11755, 11756
Samsung	10047, 10054, 10017, 10154, 10156, 10093, 10060, 10812, 10702, 10178, 10030, 10092, 10814, 10766, 10718, 10618, 10587, 10817, 10821, 11060, 11249, 11312, 11903, 11959, 10556, 10371, 10370, 10362, 10264, 10226, 10217, 10208, 10163, 10090, 10037, 10036, 10035, 10009
Sandra	10217
Sanjian	10264
Sanky	10060, 10030
Sansui	10463, 10060, 10030, 10706, 10037, 10371, 10455, 10602, 10714, 10861, 11371, 11537, 11904, 11911
Santon	10009
Sanyo	10047, 10054, 10154, 10000, 10156, 10463, 10180, 10145, 10171, 11755, 11208, 10704, 10508, 10370, 10264, 10217, 10208, 10170, 10163, 10108, 10088, 10037, 10036, 10011, 10009
Sanyong	10037
Sanyuan	10093, 10009, 10817
Saville	10060

SBR	10037, 10556
Sceptre	11217
Schaub Lorenz	10361, 10374, 10486, 10548, 10606, 10714, 11191
Schneider	11982, 11904, 11137, 11037, 10714, 10668, 10648, 10556, 10394, 10371, 10361, 10352, 10343, 10218, 10217, 10163, 10070, 10037
Scotch	10178
Scotland	10163
Scott	10236, 10180, 10178, 10030
Sears	10047, 10054, 10017, 10154, 10000, 10156, 10051, 10093, 10060, 10053, 10178, 10030, 10171, 10166, 10035, 10036, 10037, 10001, 10208, 11904
Seaway	10634
Seelver	11037
SEG	10009, 10036, 10037, 10217, 10218, 10264, 10362, 10487, 10668, 11037, 11163
SEI	10037, 10163
Sei-Sinudyne	10037
Seleco	10163, 10264, 10346, 10362, 10371
Semivox	10180
Semp	10156
Sencora	10009
Sentra	10035
Serino	10093, 10455, 10610
Shancha	10264, 10817
Shanghai	10009, 10208, 10226, 10264, 10817
Shaofeng	10145, 10817
Sharp	10054, 10093, 10180, 10053, 10030, 10009, 10036, 10200, 10650, 10653, 10668, 11193, 11393, 11917
Shen Ying	10092, 10009
Shencai	10145, 10009, 10264
Sheng Chia	10093, 10236, 10009
Shenyang	10009, 10264, 10817
Sherwood	10009
Shintoshi	10037
Shivaki	10178, 10037, 10374, 10443, 10556
Show	10009, 10418
Siarem	10163
Siemens	10145, 10037, 10195, 10200, 10327
Siera	10037, 10556
Siesta	10370
Signature	10047, 10093, 10030
Silva	10037, 10361, 10648
Silva Schneider	10037, 11556
Silvano	10587 10000 10001 10455 10715
Silver	10036, 10361, 10455, 10715
SilverCrest	11037

0:	10170 10000 10011
Simpson	10178, 10030, 10011
Singer	10060, 10092, 10009, 10037, 10335, 10371, 10433, 11537
Sinotec	10773
Sinudyne	10037, 10163, 10361
Skantic	10163
SKY	10037, 10880, 11504
Sky Brazil	10880
Sky-North	10037
Skygiant	10180
Skyworth	10748, 10009, 10037, 10264, 10698, 10805, 10817, 11115
Sliding	10865, 10880
SLX	10668
Smaragd	10487
Soemtron	10865, 11298
Solar Drape	10000
Solavox	10037, 10163, 10361, 10548
Sole	10813
Sonawa	10218
Songba	10009
Soniko	10037
Sonitron	10208, 10217, 10370
Sonneclair	10037
Sonoko	10009, 10037, 10217, 10264
Sonolor	10163, 10208, 10361, 10548
Sontec	10009, 10037, 10370
Sony	10017, 10154, 11100, 10000, 10150, 10053, 10011, 10036, 10037, 10074, 10353, 10650, 11505, 11651, 11751, 11904
Sound & Vision	10218, 10374
Soundesign	10180, 10178
Soundwave	10037, 10418, 10715
Sova	11952
Sowa	10156, 10051, 10060, 10178, 10092, 10036, 10226
Soyea	10092, 10036, 10226
Spectra	10009
Spectravision	10156, 10178
Spectronig	11498
Squareview	10171
SR2000	10154, 10171
Ssangyong	10009
SSS	10180
Staksonic	10009
Standard	10009, 10037, 10217, 10218, 10374, 11037
Standard Components	
Starlite	10236, 10180, 10009, 10037, 10163, 10264
Stenway	10218
Stern	10163, 10264
Stevison	11982
Strato	10009, 10037, 10264

	Strong	11149, 11163
	Studio Experience	10843
	Stylandia	10217
	Sunkai	10218, 10455, 10487, 10610, 10865
	Sunstar	10009, 10037, 10264, 10371
	Sunwatt	10455
	Sunwood	10037
	Superla	10217
	Superscan	10093, 10864, 11944
	Supersonic	10009, 10208, 10455, 10805
	SuperTech	10009, 10037, 10218, 10556
	Supra	10178, 10009, 10374
	Supreme	10000
	Susumu	10218, 10287, 10335
	Sutron	10009
	SV2000	10054
	SVA	10748, 10587, 10865, 10870, 10871, 10872
	Svasa	10455
	Swisstec	10880, 11504
	Sydney	10217
	Sylvania	10047, 10054, 10154, 10000, 10051, 10178, 10030, 10171, 10092, 10036, 10037, 10876, 11271, 11904, 11944
	Symphonic	10000, 10180, 10178, 10171, 11904, 11944
	Synco	10000, 10451, 10093, 10060, 10178, 10092, 10036
	Syntax	11144, 11240, 11331
	Sysline	10037
Γ.	T+A	10447
	Tacico	10178, 10092, 10009
	Tai Yi	10009
	Taishan	10009, 10374, 10817
	Tandberg	10109, 10361, 10367
	Tandy	10093, 10163, 10217, 10218
	Targa	11371
	Tashiko	10092, 10036, 10163, 10170 10217, 10650
	Tatung	10054, 10154, 10000, 10156, 10051, 10060, 10037, 10036, 10011, 10009, 10217, 11156, 11191, 11248, 11254, 11371, 11556, 11756
	TCL	10706, 10698, 11027, 11537
	TCM	10714, 10808
	Теас	10154, 10178, 10171, 10706, 11755, 11149, 11037, 10714, 10712, 10698, 10668, 10512, 10455, 10418, 10264, 10217, 10170, 10037, 10009
	Tec	10009, 10037, 10163, 10217,
		10335
	Tech Line	10037, 10668, 11163
	Techica	10218
	Technica	11982

	Technics	10054, 10556,	10250, 10650	10051,	10226,
	TechniSat	10556,	11267		
	Technisson	10714			
	Technosonic	10499,	10556		
	Technovox	10030,	10217		
	Techview	10847			
	Techwood	10250,	10051,	10060,	11163
	Tecnimagen	10556			
	Тесо	10051, 10009, 10653,	10093, 10036, 11040	10178, 10218,	10092, 10264,
	Tedelex	10009, 10606,	10208, 10698,	10217, 11537	10418,
	Teiron	10009			
	Tek	10820			
	Teknika	10054, 10060,	10463, 10178,	10180, 10092	10150,
	Tele System Electronic	10876			
	Teleavia	10287,	10343		
	Telecolor	10017			
	Telecor	10037, 10394	10163,	10217,	10218,
	Telefunken	10702, 10819, 10625, 10486, 10287, 10037	11504, 10714, 10587, 10346, 10109,	10821, 10712, 10560, 10343, 10074,	10820, 10698, 10498, 10335, 10073,
ľ	Telefusion	10037			
	Telegazi	10037,	10163,	10218,	10264
ľ	Telemeister	10037			
	Telesonic	10037			
ľ	Telestar	10009,	10037,	10556	
	Teletech	10009,	10037,	10668,	11037
	Teleton	10036,	10217		
	Televideon	10163			
1	Teleview	10037			
	Tempest	10009,	10264,	10455	
	Tennessee	10037			
	Tensai	10009,	10037, 10374,	10217,	10218,
	Tenson	10371,	10374,	10715,	11037
1	Tera	10030,	10092		
	Tevion	10037, 10714,	10556, 10808, 11298,	11037,	11137,
	Texet		10217,		
	Texla	10780			
	ThemeScene	10887			
ľ	Thomas	10047,	10178,	10001,	11904
	Thomson	11447, 10287, 10625	10047, 10335,	10037, 10343,	10109, 10560,
	Thorn	100/4,	10036, 10109, 10343,	10163,	10264,
	Thorn-Ferguson	10073,	10335,	10343,	10499

Tiane	10093, 10817
Tiny	11269
TMK	10236, 10180, 10178
TML	11756
TNCi	10017
Tobishi	10218
Tobo	10748, 10009, 10264
Tocom	10156
Tokai	10009, 10037, 10163, 10217, 10374, 10668, 11037
Tokaido	11037
Токуо	10035
Tomashi	10218
Tongguang	10264
Tongtel	10587, 10780
Topline	10668, 11037
Toshiba	10154, 11256, 10156, 10150, 10156, 10150, 11265, 10060, 11145, 10145, 10166, 11037, 11156, 11163, 11164, 11356, 11508, 11556, 11656, 11704, 11945, 11971, 10845, 10821, 10718, 10650, 10618, 10508, 10264, 10217, 10195, 10109, 10070, 10036, 10035, 10011, 10009
Totevision	10051
Towada	10217
Toyoda	10009, 10264, 10371
Toyomenka	10178
Trakton	10217, 10264
Trans Continens	10037, 10217, 10668, 11037
TRANS-continents	10556, 10865
Transonic	10009, 10037, 10264, 10418, 10455, 10512, 10587, 10698, 10712, 10780
Triad	10218, 10556
Trident	10217
Trio	11498
Tristar	10218, 10264
Triumph	10037, 10346, 10556
Truetone	10250, 10051
Tuntex	10030, 10092, 10009
TVS	10463
TVTEXT 95	10556 10037, 10370, 10374, 10418,
Uher	10480, 10486
Ultra	10092
Ultravox	10037, 10163, 10374
Unic Line	10037, 10455
United	10037, 10587, 10714, 10715, 11037, 11982
Universal	10047, 10037
Universum	11163, 11037, 10668, 10631, 10618, 10512, 10480, 10418, 10370, 10362, 10361, 10346, 10327, 10264, 10217, 10200, 10195, 10170, 10109, 10074, 10070, 10037, 10036, 10011,
	10009

Ш

10037, 10163	
10865	X
11163	
10009, 10037	
10250, 10053, 10036, 10650,	
10009	
10037	
10217, 10374	
10163	
10054	
10178, 10036	Y
10876	
10857, 10864, 10885, 11330,	
11207	
10037, 10217, 10264	
10864, 10885, 11755, 11756,	
10443, 10668, 11037	
	Ζ
10236, 10180, 10060, 10178,	
10030, 10166, 11347, 11156, 11147, 10866, 10195, 10001	
10037, 10035	
10374, 10661	
10163	т
10156	
10036, 10037	*
10009	A
10009	
10714	
10217	
10178	
10000, 10451, 10885, 10889, 11282 11577	
10037, 10556, 10860, 11556	В
10451, 10236, 10463, 10037,	_
10623, 10889, 11909	C
	D
10101, 10200, 10400, 10100	
	10864, 10885, 11755, 117561086510880, 11217, 117551003010037, 10217, 10668, 11037,1116310009, 1003710250, 10053, 10036, 10650,106531050810218100091003710217, 10218100091003710217, 10374101631005410178, 1003610857, 10864, 10885, 11330,1578, 11627, 11755100601120710037, 10217, 1026410864, 10885, 11755, 11756,17581003710178, 10037, 10163, 1041810037, 1019, 10217, 10418,1043, 10668, 10171043, 10668, 1017, 10154,1044, 1086, 1018, 10093,1035, 10180, 10060, 10178,10037, 10163, 10218, 10031,1037, 10035, 10218, 10031,1037, 10035, 10218, 10213, 10218,1037, 10036, 10037, 10163, 10218,1037, 10037, 10163, 10218, 10231,105610036, 10037, 10163, 10218,10037, 10174, 10037, 10163, 10218,10036, 10037, 10163, 10218,1017810037, 10174, 10264, 10174, 11037100091001741002171017810037, 10451, 10885, 10869, 1185610037, 10451, 10865, 10869, 11556

World-of-Vision	10865, 10877, 10880, 11217, 11298
Worldview	10455
X-View	11191
Xenius	10634, 10661
Xiahua	10009, 10264, 10698, 10773, 10817
Xianghai	10009
Xiangyang	10264
Xiangyu	10009
Xihu	10264, 10817
Xingfu	10009
Xinghai	10264
XLogic	10698, 10860
Хосесо	11064
Xoro	11196, 11217
XR-1000	10154, 10180, 10171
Xrypton	10037
Yamaha	10030, 10650, 11576
Yamishi	10037, 10217, 10218, 10455
Yapshe	10250
Yingge	10009
Yokan	10037
Yoko	10009, 10037, 10217, 10218, 10264, 10370
Yonggu	10009
Yorx	10030, 10218
Youlanasi	10817
Yousida	10009
Yuhang	10009
Zanussi	10163, 10217, 10264
Zenith	10047, 10017, 10000, 10093, 10463, 11265, 10812, 10178, 10030, 11145, 10145, 10171, 10092, 10037, 11904, 11909, 11911
ZhuHai	10009, 10374

T	V/DVD Combi	ination %2, %4
% 2	2	
Α	Advent	11933
	Akai	11675
	Akura	11982
	Alba	11037
	Amstrad	11982
	Apex Digital	11943
	Audiovox	11937, 11951, 11952
	Axion	11937, 11958
В	Black Diamond	11037
	Bush	10698, 11037, 11900
C	Centrum	11037
	Crown	11037
D	D-Vision	11982
	Denver	10587

Ε	Elfunk	11037	
F	Ferguson	11037	E
	Finlux	11556	
G	Goodmans	10587, 11037, 11900	
Н	Hitachi	11960	F
J	JDV	11982	
	Jensen	11933	G
K	KLH	11962	-
Ĺ	Lenco	10587	
_	Logik	11037	Ξ H Ì
	Luker	11982	Ï
	Luxor	11037	J
Μ	Matsui	11037	
	Maxim	11982	K
	Medion	11900	Ê
	Mirror	11900	-
Ν	Naiko	11982	
	Narita	11982	М
Ρ	Panasonic	11941	101
	Philips	11454, 10556, 11961	
	Powerpoint	10698	Ν
	Prima	11933	
R	RCA	11948, 11958	
n	Roadstar	11900	0
S	Saivod	11982	P
0	Samsung	11903	
	Schneider	11982	
	SEG	11037	R
	Sova	11952	S
	Stevison	11982	0
	Sylvania	10171	
Т	Teac	10698	
· •	Technica	11982	
	Telefunken	10698	
	Thomson	10625	
	Transonic	10523	
U	United	10587, 11037, 11982	T
v	Vestel	11037	
v	V63161	11057	
% 4			U
Α	Akai	30695	
	Akura	31367	v
	Alba	30695, 30884	v
	Amstrad	31367	
_	Apex Digital	30830	T١
В	Black Diamond	30713, 30884	※ 2
	Broksonic	30695	Α
	Bush	30713, 30884	
С	Centrum	30713	
	Citizen	30695	
_	Crown	30713	В
D	D-Vision	31367	

	DMTech	31271
E	Elfunk	30713, 30884
	Emerson	30675, 31268
	ESA	31268
F	Ferguson	30695, 30713, 30884
	Funai	31268
G	Goodmans	30713
	Grandin	30713
	Grundig	30539, 30695
	Hitachi	31247
-	Insignia	31268
J	JDV	31367
	JNC	31271
	Konka	31192
L	Logik	30713, 30884
	Luker	31367
	Luxor	30713
Μ	Magnavox	31268
	Matsui	30713, 30884
	Maxim	31367
Ν	Naiko	31367
	Narita	31367
	Neovia	31271
0	Orion	30695
Ρ	Pacific	30695
	Panasonic	31490
	Philips	30539, 30854, 31260
R	RCA	31022
S	Saivod	31367
	Samsung	30899
	Sansui	30695
	Schneider	31367
	SEG	30713, 30884
	Sliding	31115
	Stevison	31367
	Sylvania	30630, 30675, 31268
Т	Technica	31367
	Thomson	30551
	Toshiba	30695
U	United	30713, 30884, 31367
	Universum	30713
V	Vestel	30884
Т	MCB Comb	ination %2, %3, %4
*2		mation %2, %3, %4
×2	Aiwa	1100/ 11011
A		11904, 11911
	America Action	10180
	Amstrad	10171
	Audiovox	10180
В	Beko	10486
	Black Diamond	11909

	Broksonic	10463, 11911
	Bush	11556
C	Curtis Mathes	10051
D	Daewoo	11909
Ē	Emerson	10236, 10463, 11909, 11911
Ē	Ferguson	10073, 10625
- I	Fidelity	10171
	Funai	11904
G	GE	10047, 10051, 10093, 11917,
G		11922
	GoldStar	10037
	Goodmans	10374, 11909
	Grundig	10037, 10195, 10556
H	Harley Davidson	11904
	Hinari	10036
	Hitachi	11904
	Internal	11909
J	JVC	11923
L	LG	10178
	Lloyd's	11904
M	Magnavox	10054, 11904
	Memorex	10250
	Mitsubishi	10093, 10556, 11917
0	Orion	10463, 11911
Ρ	Palsonic	11904
-	Panasonic	10250, 10051
	Penney	10051
	Philips	10037, 10556
0	Quasar	10250, 10051
R	Radiola	10556
	RadioShack	11904
	RCA	10047, 10051, 10093, 11917,
		11922
S	Saba	10625
	Samsung	11959
	Sansui	10463, 11904, 11911
	Schneider	10037, 10556, 11904
	Sears	11904
	Sharp	10093, 11917
	Siemens	10037
	Sony	10000, 11505, 11904
	Sylvania	10054
	Symphonic	11904
Τ.	Теас	10178, 10171
	Technics	10556
	Thomas	11904
	Thomson	10625
	Toshiba	11971
W	White	11909
Z	Westinghouse Zenith	11904, 11909, 11911
		11JU 4 , 11JUJ, 11J11
% 3	3	
Α	Aiwa	20000, 20352, 20479, 20742, 21137
-		21137

	Akai	20352	
	Alba	20352	
	America Action	20278	
	Amstrad	20000	
	Audiovox	20278	
B	Beko	20104	0
	Bestar	20278	
	Blue Sky BPI	20278, 20352, 20742	R
		20046	
	Broksonic Bush	20002, 20479, 21479	
C	Citizen	20352, 20742 20278, 21278	S
U	Curtis Mathes	20035, 21035	_
D	Daewoo	20278, 20637, 21278	
U	Dantax	20352	
n l		20002, 20278, 20479, 20637,	. 1
E	Emerson	21278, 21479	
F	Ferguson	20000, 20278	. 1
	Fidelity	20000	
	Firstline	20278	. 1
	Funai	20000	
G	GE	20060, 20035, 20048, 20240, 20807, 21035, 21060	. 1
	GoldStar	20037, 20480, 21237	
	Goodmans	20278, 20352, 20637	
	Grandin	20278, 20742	
	Grundig	20081, 20347, 20352, 20742	
H	Hanimex	20352	τI
	Harley Davidson	20000	T
	Hinari	20352	
	Hitachi	20000	
	Hypson	20037	
П.	Internal	20278, 20637	
J	JBL	20278	
	JMB	20352	- 1
K	Kambrook	20037	U
	Kneissel	20278, 20352	
L	LG	20037, 20480, 21237	W
	Lloyd's	20000	Z
	Loewe	20037	₩4
M	Magnasonic	20278, 21278	Т
	Magnavox	20081, 20000, 21781	
	Magnin Matsui	20240 20352, 20742	ΤV
	Medion	· · · · · ·	
		20352 20162, 20037, 21162, 21237,	₩2
	Memorex	21262	A
	MGA	20240	B
	Mitsubishi	20048, 20081, 20043, 20807	Ē
0	Optimus	20162, 21162, 21262	-
	Orion	20002, 20352, 20479, 20742, 21479	Μ
Р	Pace	20352	P
1	Pacific	20742	R
	. 20110		

Panasonic 20035, 20162, 21035, 21162, 21262 Penney 20035, 20037, 20240, 21035, 21237 Philips 20081 Portland 20637 Q Quasar 20035, 20162, 21035, 21162 Radiola 20081 Radiola 20081 RadioShack 20000 RCA 20607, 21035, 21060 S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Sanyo 20037, 20000, 21237 SteG 20637 Sharp 20037, 20000, 21232 Supra		Palsonic	20000
Permey 21237 Philips 20081 Portland 20637 Q Quasar 20035, 20162, 21035, 21162 Radiola 20081 Radiola 20081 Radiola 20081 Radiola 20081 Radiola 20081 RadioShack 20000 RCA 20600, 2035, 20048, 20240, 20807 Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20087, 20000, 21237 SEG 20637 Sharp 20037, 20000, 21237 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatug 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 <td< th=""><td rowspan="2"></td><td>Panasonic</td><td></td></td<>		Panasonic	
Portland 20637 Q Quasar 20035, 20162, 21035, 21162 R Radiola 20081 RadioShack 20000 RCA S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20081, 20000 Sears 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Simudyne 20352 Sony 20037, 20048, 20807 Shivaki 20037 Sharp 20037, 20048, 20807 Shivaki 20037 Simudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Technics 20081 Technics 20037 Telefunken		Penney	
Q Quasar 20035, 20162, 21035, 21162 Radiola 20081 RadioShack 20000 RCA 20060, 20035, 20048, 20240, 20807, 21035, 21060 S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 2000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081 Symphonic 20000 Tatung 20352 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000		Philips	20081
R Padiola 20081 RadioShack 20000 RCA 20060, 20035, 20048, 20240, 20807, 21035, 21060 S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 2000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20037, 20000, 21237 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomas 200352, 20		Portland	20637
RadioShack 20000 RCA 20060, 20035, 20048, 20240, 20807, 21035, 21060 S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21237 Stef 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomas 200352, 20432, 20845, 21145	0	Quasar	20035, 20162, 21035, 21162
RCA 20060, 20035, 20048, 20240, 20807, 21035, 21060 S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20037, 20000, 21237 Siemens 20081 Sinudyne 20352 Sony 20037, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United	R	Radiola	20081
RCA 20807, 21035, 21060 S Saba 20320 Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 2000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21237 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 T Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 2		RadioShack	20000
Samsung 20240, 20432, 21014 Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 20000, 21237 SEG 20637 Sharp 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Zenith 20000, 20479, 20637, 21479 <th></th> <th>RCA</th> <th>20060, 20035, 20048, 20240, 20807, 21035, 21060</th>		RCA	20060, 20035, 20048, 20240, 20807, 21035, 21060
Sansui 20000, 20479, 21479 Sanyo 20240 Saville 20352 Schneider 20037, 20000, 21237 SEG 20637 Sharp 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Zenith 20000, 20479, 20637, 21479	S	Saba	20320
Sanyo 20240 Saville 20352 Schneider 20081, 20000 Sears 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Zenith 20000, 20479, 20637, 21479		Samsung	20240, 20432, 21014
Saville 20352 Saville 20382 Schneider 20081, 20000 Sears 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 W White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Sansui	20000, 20479, 21479
Schneider 20081, 20000 Sears 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Zenith 20000, 20479, 20637, 21479		Sanyo	20240
Sears 20037, 20000, 21237 SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Zenith 20000, 20479, 20637, 21479		Saville	20352
SEG 20637 Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Schneider	20081, 20000
Sharp 20037, 20048, 20807 Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 T Tatung 20352 Teac Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Sears	20037, 20000, 21237
Shivaki 20037 Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		SEG	20637
Siemens 20081 Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Sharp	20037, 20048, 20807
Sinudyne 20352 Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Zenith 20000, 20479, 20637, 21479		Shivaki	20037
Sony 20032, 20000, 21232 Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Siemens	20081
Supra 20348 Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Sinudyne	20352
Sylvania 20081, 21781 Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technics 20352 Telefunken 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Sony	20032, 20000, 21232
Symphonic 20000 Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Supra	20348
Tatung 20352 Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Sylvania	20081, 21781
Teac 20037, 20000, 20637, 20642 Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Symphonic	20000
Technics 20081 Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479	Τl	Tatung	20352
Technosonic 20352 Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Теас	20037, 20000, 20637, 20642
Telefunken 20278 Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 W White Westinghouse 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Technics	20081
Thomas 20000 Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 W White Westinghouse 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Technosonic	20352
Thomson 20278 Toshiba 20352, 20432, 20845, 21145 U United 20742 W White Westinghouse 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Telefunken	20278
Toshiba 20352, 20432, 20845, 21145 U Inited 20742 W White Westinghouse 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Thomas	20000
U United 20742 W White Westinghouse 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Thomson	20278
W White 20278, 20637 Z Zenith 20000, 20479, 20637, 21479		Toshiba	20352, 20432, 20845, 21145
W Westinghouse 202/8, 20637 Z Zenith 20000, 20479, 20637, 21479 X4 X4	U	United	20742
	W		20278, 20637
-	Z	Zenith	20000, 20479, 20637, 21479
-	×./		
	_		30551

		※ 2, ※ 3, ※ 4
% 2	2	
Α	Akai	11903
В	Broksonic	11938
Ε	Emerson	11944
	ESA	11944
Μ	Magnavox	11944
Ρ	Panasonic	11946, 11947
R	RCA	11953

S	Sharp	11917		Audio
	Sylvania	11944		Audio
	Symphonic	11944		Audio
Τ	Toshiba	11945		Avis
X 3	2			AVP
S	, Sharp	20807		Awa
3 ※4		20007	В	Baird
×4	Akai	30899		Basic
F	Emerson	30821		Beaun
E	ESA	30821		Beko
М	Magnavox	30821		Bell &
P	Panasonic	31362, 31462		
R	RCA	31132		Besta
S	Sharp	30630		Black
3	Superscan	30821		Black
	Sylvania	30821		Blaup
	Symphonic	30821		Blue S
T	Toshiba	31045		
	10511104	J104J		BPL
				Brand
V	CR			Brand
Α	A-Mark	20037, 20240, 20000, 20278,		Brinkn
~	ABS	20046 21972		Broks
		20060, 20048, 20039, 20047,		
	Admiral	20104, 20121, 20209, 20479		Bush
	Adventura	20037, 20240, 20000	C	Calix
	Aiko Aim	20278 20278, 20348, 20642		Candle
	AIIII	20037, 20032, 20000, 20209,		Canor
	Aiwa	20041, 20348, 20352, 20479,		Capeh
		20742, 21137 20037, 20240, 20041, 20106,		Caren
	Akai	20315, 20348, 20352, 20642		Carref
	Akura	20041		Carrer
	Alba	20081, 20000, 20209, 20278,		Carve
		20315, 20348, 20352		Casio
	Allenware	21972		Catha
	Allegro	20039, 21137		CCE
	Allorgan Allstar	20240 20081		CGE
				Chang
	America Action	20278		Cimlin
	American High Amoisonic	20035, 20081 20479		Cinera
	Amotsonic	20000, 20278		CineV
		20162, 20037, 20240, 20278,		Citizer
	Anam	20226, 20480		Classi
	Anam National	20162, 20226, 21162, 21562		Clatro
	Ansonic	20000		Colort
	Aristona	20081		Colt
	ASA	20037, 20081		Combi
	Asha	20240		Condo
	Astra	20035, 20240		Craig
	Asuka	20037, 20081, 20000, 20038		Criter

11917

S Sharp

Audiolab	20081
Audiosonic	20278
Audiovox	20037, 20278, 20038
Avis	20000
AVP	20000, 20352
Awa	20037, 20043, 20278, 20642
	20000, 20104, 20041, 20278,
Baird	20046, 20106
Basic Line	20104, 20278, 20046
Beaumark	20240
Beko	20104
Bell & Howell	20035, 20048, 20039, 20000, 20104, 20046, 20479
Bestar	20278
Black Diamond	20642
Black Panther	20278
Blaupunkt	20162, 20081, 20226
Blue Sky	20037, 20209, 20278, 20348, 20352, 20480, 20642, 20742,
Dido Oky	21137
BPL	20046
Brandt	20041, 20320
Brandt Electronique	20041
Brinkmann	20209, 20348
Broksonic	20184, 20121, 20209, 20002,
	20348, 20479, 21479
Bush	20081, 20000, 20209, 20278, 20315, 20348, 20352, 20642, 20742
Calix	20037
Candle	20037, 20038
Canon	20035
Capehart	20002
Carena	20081, 20209
Carrefour	20045
Carrera	20240
Carver	20035, 20081
Casio	20000
Cathay	20278
CCE	20278
CGE	20000, 20041
Changhong	20048, 20081
Cimline	20209
Cineral	20278
CineVision	21137
	20035, 20037, 20240, 20000,
Citizen	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278
Citizen Classic	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037
Citizen Classic Clatronic	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037 20000, 21593
Citizen Classic Clatronic Colortyme	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037 20000, 21593 20060, 20035, 20045, 20278
Citizen Classic Clatronic Colortyme Colt	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037 20000, 21593 20060, 20035, 20045, 20278 20000
Citizen Classic Clatronic Colortyme Colt Combitech	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037 20000, 21593 20060, 20035, 20045, 20278 20000 20352
Citizen Classic Clatronic Colortyme Colt Combitech Condor	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037 20000, 21593 20060, 20035, 20045, 20278 20000 20352 20278
Citizen Classic Clatronic Colortyme Colt Combitech	20035, 20037, 20240, 20000, 20209, 20278, 20479, 21278 20037 20000, 21593 20060, 20035, 20045, 20278 20000 20352

	Crosley	20035, 20081, 20000
	Crown	20037, 20278, 20480
	Curtis Mathes	20060, 20035, 20162, 20240, 20000, 20041, 20278, 20432, 21035
	Cybernex	20240
	CyberPower	21972
	Cyrus	20081
)	Daewoo	20037, 20045, 20104, 20209, 20278, 20046, 20352, 20637, 20642, 21137, 21278
	Dansai	20278
	Dantax	20352
	Daytron	20037, 20278
	De Graaf	20048, 20081, 20042, 20104, 20046
	Decca	20081, 20000, 20067, 20209, 20041, 20352
	Degraff	20048, 20081, 20042, 20104
	Deitron	20278
	Dell	21972
	Denon	20081, 20042
	Derwent	20041
	Diamant	20037
	Diamond	20348
	Digitor	20642
	DirecTV	20739
	Domland	20739
	DSF	20642
	Dual	20042 20081, 20000, 20041, 20278, 20348
	Dumont	20081, 20000, 20104
	Durabrand	20039, 20038, 20642
	Dynatech	20240, 20000
	Elbe	20278, 20038
	Electrohome	20060, 20037, 20240, 20000, 20043, 20209
	Electrophonic	20037
	Elin	20240
	Elta	20278
	Emerald	20184, 20121
	Emerex	20032
	Emerson	20035, 20037, 20184, 20039, 20240, 20045, 20000, 20121, 20043, 20209, 20002, 20278, 20348, 20479, 20637, 21278, 21479, 21593
	ESA	21137
	ESC	20240, 20278
	EuroLine	21593
	Ferguson	20000, 20041, 20278, 20320, 20348
	Fidelity	20240, 20000, 20352, 20432
		20027 20040 20001 20000
	Finlandia	20037, 20048, 20081, 2000, 20042, 20104, 20043, 20046, 20106, 20226

Firstline	20209, 21137	20278,	20348,	20043, 20480,
Fisher	20039, 20046	20047,	20000,	20104,
lint	20209,	20348		
uji	20035,	20033		
ijitsu	20037,	20045,	20000	
ijitsu General	20037			
inai	20037,	20000,	20278,	21593
alaxi	20000			
alaxis	20278			
arrard	20000			
ateway	21972			
iΕ	20000,	20035, 20226, 21060		20240, 20807,
iec	20081			
emini	20060			
eneral	20045			
eneral Technic	20348			
enexxa	20037,	20000,	20104,	20278
io Video	20240,	20432,	20614,	21137
ioldStar	20226,	20480,	21137,	
oodmans	20209,		20348,	20000, 20352,
iPX	20037			
adiente	20000			
aetz		20104,		
anada	20240,			20081, 20104,
randin	20742			20278,
rundig		20226, 20352,		20347,
aaz	20348			
animex	20352			
anseatic	20037,	20081,	20209,	20038
aojie	20240			
arley Davidson	20000			
arman/Kardon	20081,	20038		
eadquarter	20046			
ewlett Packard	21972			
1-0		20047,		
inari	20352	20209,	20041,	20278,
lisawa	20209,	2035		
lischito	20045	20027	20004	20240
litachi	20045, 20046,	20000, 20089	20081, 20042,	20240, 20041,
loeher	20278,	20642		
ornyphon	20081			
oward Computers	21972			
1P	21972			

Hughes Network Systems	20042, 20739
Humax	20739
Hush	21972
Hypson	20037, 20000, 20209, 20278, 20352, 20480
Hytek	20047, 20000
ibuypower	21972
Imperial	20000
Ingersol	20240, 20209
Interbuy	20037
Interfunk	20081, 20104
Internal	20278, 20637
International	20037, 20278, 20642
Intervision	20037, 20000, 20209, 20278, 20348
Irradio	20037, 20081, 21137
ITT	20240, 20104, 20041, 20046, 20106
ITT Nokia	20240, 20104, 20041, 20106
ITV	20037, 20278
Janeil	20240
JBL	20278
Jensen	20067, 20041
JMB	20209, 20348, 20352, 20742
Joyce	20000
JVC	20184, 20081, 20045, 20067, 20041, 21162
Kambrook	20037
Karcher	20081, 20278, 20642
KEC	20037, 20278
Kendo	20037, 20209, 20278, 20106,
Kenwood	20315, 20348, 20642 20067, 20041, 20038, 20046
KIC	20007, 20041, 20030, 20040
Kimari	20000
Kneissel	20037, 20209, 20278, 20348, 20352
Kodak	20035, 20037
Kolin	20043, 20041
Kolster	20209
KTV	20000
Kuba	20047
Kuba Electronic	20047
Lenco	20278
LG	20037, 20240, 20045, 20000, 20042, 20209, 20278, 20038, 20225, 20480, 21137, 21237
Lifetec	20209, 20348
Linksys	21972
Lloyd's	20240, 20000, 20038
Loewe	21062, 20162, 20037, 20081, 21262, 21562
Logik	20240, 20000, 20209, 20106
Lumatron	20278, 21137
Lunatron	21137

	Luxor	20048, 20047, 20104, 20043, 20046, 20106, 20315
	LXI	20037, 20000, 20042, 20067
M	M Electronic	20037, 20240, 20000, 20038
	Magnadyne	20081
	Magnasonic	20037, 20240, 20000, 20278, 21278
	Magnavox	20035, 20037, 20048, 20039, 20081, 20240, 20000, 20226, 20618, 20642, 21593, 21781
	Magnin	20240
	Magnum	20642
	Manesth	20081, 20045, 20209
	Marantz	20035, 20081, 20209, 20038
	Mark	20000, 20278
	Marta	20037
	Mastec	20642
	Master's	20278
	Matsui	20037, 20240, 20209, 20278, 20348, 20352, 20742
	Matsushita	20035, 20162, 20081, 20226, 21162
	Media Center PC	21972
	Mediator	20081
	Medion	20209, 20348, 20352, 20642
	MEI	20035
	Memorex	20035, 20162, 20037, 20048, 20039, 20047, 20240, 20000, 20104, 20209, 20278, 20046, 20348, 20479, 21162, 21237, 21262
	Metronic	20081
	Metz	21062, 20162, 20037, 20081, 20226, 20347, 20836, 21162, 21262, 21562
	MGA	20060, 20240, 20043
	MGN Technology	20240
	Micormay	20348
	Micromaxx	20209
	Microsoft	21972
	Midland	20240
	Migros	20000
	Mind	21972
	Minolta	20042
	Mitsubishi	20060, 20048, 20047, 20081, 20000, 20042, 20067, 20043, 20041, 20480, 20642, 20807
	Motorola	20035, 20048
	MTC	20240, 20000
	MTX	20000
	Multitec	20037
	Multitech	20039, 20000
	Murphy	20000
	Myryad	20081
N	NAD	20240, 20104
	Naiko	20348, 20642
	NAP	20039
	National	20226
		20220

Nebula Electronics	20033	
NEC	20035, 20037, 20048, 20104, 20067, 20041, 20278, 20038, 21137	Ρ
Neckermann	20081, 20041	Ρ
Nesco	20000	P
Neufunk	20209	P
Newave	20037	P
Nikkai	20278	P
Nikko	20037, 20278	P
Nikkodo	20037, 20278	Р
Nishi	20240	P
Niveus Media	21972	Р
Noblex	20240	P
Nokia	20048, 20081, 20240, 20042, 20104, 20041, 20278, 20046, 20106, 20315	P
Nordmende	20067, 20041, 20320	P
Northgate	21972	P
Nu-Tec	20209	P
Oceanic	20048, 20081, 20000, 20104, 20041, 20046, 20106	P
Okano	20209, 20278, 20315, 20348	P
Olympus	20035, 20162, 20104, 20226	Ρ
Onimax	20642)
Onkyo	20222	C
Optimus	21062, 20035, 20162, 20037, 20048, 20047, 20240, 20000, 20104, 20432, 21162, 21262	C
	20104, 20432, 21102, 21202 20184, 20240, 20000, 20104, 20121, 20209, 20002, 20278,	C
Orion		RR
Orson	20000	F
Osaki	20037, 20000	F
Otake	20209	F
Otto Versand	20081	
Pace	20352	F
Pacific	20000, 20348, 20642, 20742	F
Packard Bell	21972	F
Palladium	20037, 20209, 20041, 20348	F
Palsonic	20000, 20642	
Panama	20035	F
Panasonic	21062, 20035, 20162, 20000, 20225, 20226, 20614, 20616, 20836, 21035, 21162, 21262, 21562	R
Pathe Cinema	20043	F
Pathe Marconi	20041	F
Penney	20035, 20162, 20037, 20047, 20081, 20240, 20000, 20042,	F
D. I	20067, 20038, 21035, 21237	F
Pentax	20042	
Perdio	20000, 20209	F
Philco	20035, 20081, 20000, 20209, 20038, 20226, 20479	F
		S S
		S

0

Ρ

	Philips	20035, 20162, 20048, 20081, 20045, 20000, 20209, 20226, 20616, 20618, 20739, 21081, 21181
	Phoenix	20278
	Phonola	20081
	Pilot	20037
	Pioneer	20162, 20081, 20042, 20067
	Polk Audio	20081
	Portland	20278, 20637
	Presidian	21593
	Prinz	20000
	Profitronic	20081, 20240
	Proline	20000, 20278, 20320, 20642
	Proscan	20060, 21060
	Prosco	20278
	Prosonic	20209, 20278
	Protec	20000
	Protech	20081
	ProVision	20278
	Pulsar	20039, 20240, 20278
	Pulser	20240
	Pye	20081, 20000
2	Qisheng	20060
	Quarter	20046
	Quartz	20035, 20047, 20046
	Quasar	20035, 20162, 20002, 20278, 20226, 21035, 21162
	Quelle	20081
Ł	Radialva	20037, 20048, 20081
	Radiola	20081
	Radionette	20037, 21137
	RadioShack	20035, 20162, 20037, 20048, 20047, 20240, 20000, 20104, 20046, 21162
	Radix	20037
	Randex	20037
	Rank	20041
	Rank Arena	20041
	RCA	20060, 20035, 20048, 20240, 20045, 20000, 20042, 20106, 20226, 20320, 20807, 20880, 21035, 21060
	Realistic	20035, 20162, 20037, 20048, 20047, 20240, 20000, 20104, 20121, 20278, 20046, 21162
	Reoc	20348
	ReplayTV	20614, 20616
	Rex	20041
	Ricavision	21972
	Rio	21137
	Roadstar	20037, 20081, 20240, 20278, 20038, 20742
	Runco	20039
S	Saba	20041, 20278, 20320
	Saisho	20209, 20348
	Salora	20104, 20043, 20046, 20106

Sampo	20037,		000	000
Samsung	20060, 20038,	20240, 20432,	20045, 20739,	20000, 21014
Samtron	20240			
Sanky	20048,	20039		
Sansei	20048			
Sansui	20041, 20479,	20002, 21479	20067, 20106,	20348,
Sanyo	20104,	20047, 20067, 20479,	20240, 20209, 21137	20000, 20046,
Saville	20240,	20278,	20352	
SBR	20081			
ScanSonic	20240			
Schaub Lorenz	20315,	20348	20041,	
Schneider	20037, 20042, 20642,	20278,	20240, 20348,	20000, 20352,
Scott			20121,	
Sears	20048, 20045,	20039, 20000, 20043,	20162, 20047, 20042, 20209,	20033, 20104,
Seaway	20278			
SEG	20081, 20642	20240,	20278,	20637,
SEI	20081			
Sei-Sinudyne	20081			
Seleco	20037,	20041		
Semp	20045			
Sentra	20278			
Sharp	20000,	20048, 20209,	20047, 20807	20032,
Shinco	20000	00040		
Shintom		20240,	20000,	20104
Shivaki	20037			
Shogun	20240	200.91	20104,	20046
Siemens	20037, 20320,	20347	20104,	20040,
Siera	20081			
Signature		20035, 20046,	20037, 20479	20048,
Silva	20037			
Silver	20278			
SilverCrest	20642			
Singer			20045,	20348
Sinudyne		20209,	20352	
Smaragd	20348			
Sonic Blue		20616,	21137	
Sonographe	20046	005.1		
Sonolor	20048,			
Sontec	20037,	20278		
Sonwa	20642	20040	20047	20022
Sony	20033,	20000,	20047, 20067, 20636,	20046,

Soundmaster	20000
Soundwave	20037, 20209, 20348
Stack 9	21972
Standard	20278
Stern STS	20278
	20042
Sunkai Sunstar	20209, 20278, 20348 20000
Suntronic	20000
Supra	20037, 20278, 20348
Susumu	20037, 20270, 20340
SV2000	20000
SVA	20000
Sylvania	20035, 20081, 20000, 20043
1	21593, 21781
Symphonic	20240, 20000, 20002, 21593
Systemax	21972
T+A	20162
Tagar Systems Taisho	21972 20209
Tandberg	20209
Tandy	20000, 20104
,	20037, 20048, 20081, 20240
Tashiko	20000
Tatung	20048, 20081, 20045, 20000 20067, 20043, 20209, 20041 20348, 20352
Tchibo	20348
TCM	20348
Теас	20037, 20000, 20067, 20041
Technica	20278, 20637, 20642, 21593 20035, 20162, 20037, 20081
Technics	20000, 20226, 21162
TechniSat	20348
Technosonic	20352
Тесо	20035, 20037, 20048, 20041 20038
Tedelex	20037, 20209, 20348, 20642
Teknika	20035, 20037, 20000
Teleavia	20041
Telecorder	20240
Telefunken	20209, 20041, 20278, 20320 20642
Telerent	20226
Telestar	20037
Teletech	20000, 20278
Tensai	20037, 20000, 20278
Tevion	20209, 20348, 20479, 20642
Texet	20278
Thomas	20000, 20002
Thomson	20060, 20067, 20041, 20278 20320
Thorn	20037, 20104, 20041, 20320
Tisonic	20278
Tivo	20618, 20636, 20739, 21996
TMK	20240, 20000

PRESET CODE 12

	TNIX	20037
	Tocom	20240
	Tokai	20037, 20104, 20041
	Topline	20348
	Toshiba	20081, 20240, 20045, 20000, 20042, 20067, 20043, 20209, 20041, 20352, 20432, 20742, 20845, 21008, 21145, 21972, 21996
	Tosonic	20278
	Totevision	20037, 20240
	Touch	21972
	Toyoda	20278
	Tradex	20081
	Triad	20278
	Trix	20037
U	Uher	20240
	Ultra	20045, 20278
	Ultravox	20278
	Unitech	20240
	United	20348, 20742, 21593
	Universum	20037, 20081, 20240, 20000, 20104, 20209, 20106, 20348, 21137
V	Vector	20045
	Vector Research	20184, 20038
	Victor	20067, 20041
	Video Concepts	20045
	Video Technic	20000
	Videomagic	20037
	Videosonic	20240, 20000
	Viewsonic	21972
	Villain	20000
	Voodoo	21972
w	Wards	20060, 20035, 20037, 20048, 20039, 20047, 20081, 20033, 20240, 20045, 20000, 20042, 20043, 20041, 20038, 20046, 20479
	Watson	20081, 20352, 20642
	Weltblick	20037
	Wharfedale	20642
	White Westinghouse	20000, 20209, 20278, 20479, 20637
v	World	20209, 20002, 20348, 20479
X	XR-1000	20035, 20240, 20000
Y	Yamaha	20041, 20038
	Yamishi	20278
	Yoko	20037, 20240
Z	Zenith	20037, 20039, 20033, 20000, 20209, 20041, 20278, 20479, 20637, 21137, 21479
	ZT Group	21972
	ZX	20209, 20348, 20352

P	VR *3	
A	ABS	21972
^	Alienware	21972
C	CyberPower	21972
Ď	Dell	21972
	DirecTV	20739
G	Gateway	21972
u i	Go Video	20614
H	Hewlett Packard	21972
	Howard Computers	21972
	HP	21972
	Hughes Network	
	Systems	20739
	Humax	20739
	Hush	21972
	ibuypower	21972
L	Linksys	21972
M		21972
	Microsoft	21972
	Mind	21972
N	Niveus Media	21972
	Northgate	21972
P	Panasonic	20614, 20616
	Philips	20618, 20739
R	RCA	20880
	ReplayTV	20614, 20616
S	Samsung	20739
	Sonic Blue	20614, 20616
	Sony	20636, 21972
	Stack 9	21972
	Systemax	21972
T	Tagar Systems	21972
	Tivo	20618, 20636, 20739
	Toshiba	21008, 21972, 21996
	Touch	21972
V	Viewsonic	21972
	Voodoo	21972
Z	ZT Group	21972
מ	VD Player	
		00500 00500
1	3D LAB	30503, 30539
	4Kus	31158
Α	A-Trend	30714
	Acoustic Solutions	30713, 30730, 31228
	AEG	30770, 30788, 30790, 31923
	AFK	31051, 31152, 31923
	Aim	30672, 30699, 30833
	Airis	30672, 31005, 31224, 31250 31321, 31345
	Aiwo	20522 20641

Aiwa

30533, 30641

		30690, 30695, 30705, 30770, 30788, 30790, 30884, 30898		E
	Akai	30788, 30790, 30884, 30898, 30899, 31115, 31205, 31233,		E
	Akashi	31695 30838		E
1	AKI	31005		E
	Akira	30699, 31321		E
ł		30898, 31051, 31140, 31233,		E
	Akura	31367		E
	Alba	30672, 30539, 30717, 30695, 30699, 30713, 30730, 30783,		F
1	Alco	30884, 31140, 31530, 31695 30790		
	Alize	31151		E
1	All-Tel		C	(
	Allegro	30869	-	(
1	Altacom	31224		(
1	Amitech	30784, 30770, 30850		(
	Amoi	30852		(
1	Amphion Media	30872		(
1	Works			(
	Amstrad	30713, 30770, 31151, 31367		(
i.	AMW	30872		(
	Anam	31913		(
1	Ansonic	30759, 30774, 30831 30533, 30672, 30717, 30755,		
	Apex Digital	30794, 30796, 30797, 30830, 31004, 31020, 31056, 31061		(
	Aristona	30539, 30646		(
	Arrgo	31023		(
	ASCOMTEC	31923		(
	Asono	31224		(
	Aspire Digital	31168		(
	Atacom	31224		(
	Audiosonic	30690, 31923		(
	Audiovox	30717, 30790		(
1	Audioworld	30790		(
	Autovox	30713		(
1	Auvio	30843		(
	Awa	30730, 30872		(
	Axion	30730		(
	Base	31451		(
1	Basic Line	30713		(
	Baze BBK	30898		(
ì	Веер	30862, 31224 31163		(
	Bellagio	31004		(
Ì	Belson	31086, 31923		(
	Binatone	31923		(
	Black Diamond	30713, 30833, 30884		(
	Blaupunkt	30717		(
	Blu:sens	31233, 31321		(
	Blue Nova	31321		(
1	International		D	[
	Blue Parade	30571		[

R

	00070 00054 00005 00000
Blue Sky	30672, 30651, 30695, 30699, 30713, 30790, 30843, 31423
Boghe	31004
Boman	30783, 30898, 31005
Bose	32023
Brainwave	30770, 31115
Brandt	30503, 30651, 30551
Broksonic	30695
Bush	30672, 30717, 30690, 30699, 30713, 30723, 30730, 30831, 30833, 30884, 31051, 31140, 31483, 31695, 31832
Byd:sign	30872
C-Tech	30798, 31152
California Audio Labs	30490
Cambridge Audio	30751, 31109
Cambridge Soundworks	30690
Campomatic Digital	31051
Cat	30699, 30789, 31421, 31923
CCE	30730
Celestial	31020
cello	31730
Centrex	30672, 31004
Centrum	30713, 30789, 31005, 31227,
CGV	31923 30751, 31115
Changhong	30627, 31061
Cinea	30831, 30841
Cinetec	30713, 30872
cineULTRA	30699
CineVision	30833, 30869, 31483
Citizen	30695
Clairtone	30571
Classic	30730, 31730
Clatronic	30672, 30675, 30788, 31233
Clayton	30713
Coby	30730, 30852, 31086, 31321, 31923
Codex	31233
Commax	31321
Conia	30672, 30852, 31321
Contel	30788
Continental Edison	30831, 30872
Craig	30831
Creative	30503, 30539
Crown	30690, 30713, 30770, 31115
Crypto	31228
Curtis Mathes	31087
Cybercom	30831
CyberHome	30714, 30816, 30874, 31023, 31024, 31117, 31129, 31502
Cytron	30651, 30705, 30774, 31347
D-Vision	31115, 31367
Daenyx	30872

Daewoo	30490, 30784, 30705, 30714, 30770, 30833, 30869, 30872, 31172, 31483, 31906
Dalton	31036
Dansai	30770, 30783, 31115, 31695
Dantax	30539, 30713, 30723, 30790
Daytek	30872, 31005
Dayton	30872
DCE	30831
Decca	30770, 31115
Denon	30490, 30634, 31634, [32134] *
Denver	30672, 30699, 30788, 30898, 31056, 31104, 31321, 31923
Denzel	30665
Desay	30843, 31212
Dgtec	30672
Diamond	30651, 30751, 30768, 30790
Digihome	30713
DigiLogic	30713
digiRED	30717
Digitech	31832
Digitor	30651, 30690, 30833, 31005, 31423
Digitrex	30672, 31004, 31056
DiK	30831
Dinamic	30788
Disney	30675, 30831, 31270
DiViDo	30705
DK Digital	30831
DMTech	30783, 31271
Dragon	30831
DreamX	31151
DSE	30833, 31152, 31730
Dual	30651, 30665, 30675, 30713, 30730, 30783, 30790, 30831, 31023
Durabrand	30713, 30831, 31023, 31502
DVD2000	30521
DVX	30768
E:max	31233, 31321
EagleTec	30714
eBench	31152
ECC	30730
Eclipse	30723, 30751
Elfunk	30713, 30850, 30884
Elin	30770
Elite	31152
Ellion	30850, 31421
Elta	30672, 30690, 30770, 30788, 30850, 31051, 31115, 31151, 31233
Eltax	31233, 31321
Emerson	30591, 30675, 30705, 30821, 31268
Enterprise	30591

	Entivo	30503, 30539
	Enzer	30784, 30770, 31228
	ESA	30821, 31268
	EuroLine	30675, 30788, 31115, 31233
F	Fenner	30651
	Ferguson	30651, 30695, 30713, 30884, 30898, 31695, 31730
	Finlux	30672, 30591, 30741, 30751, 30770, 30783
	Firstline	30651, 30713, 30843, 30869, 31530
	Fisher	30670
	Funai	30675, 30695, 31268
~	Fusion	30862
G	Gateway	31158
	GE	30522, 30815, 30717
	General Electric	30717
	Germatic	31051
	Global Link	31224
	Global Solutions	30768
	Global Sphere	31152
	Go Video	30573, 30744, 30717, 30715, 30741, 30783, 30833, 30869, 31044, 31075, 31099, 31158, 31483, 31730
	GoldStar	30591, 30741, 30869
	Goodmans	30651, 30690, 30713, 30723, 30730, 30783, 30790, 30833, 31004, 31140, 31423, 31530, 31730, 31923
	GP Audio	31140
	GPX	30699, 30741
	Gradiente	30490, 30651
	Graetz	30665
	Gran Prix	30831, 30898
	Grandin	30713, 31233
	Greenhill	30717
	Grundig	30539, 30651, 30551, 30670, 30686, 30695, 30705, 30713, 30775, 30790, 31004, 31036, 31695, 31730, 31832, 31920
	Grunkel	30770, 30790, 30831
H	H & B	30713, 30841, 30850, 31233, 31421
	Haaz	30751, 31152
	Haier	30843
	Hanseatic	30741, 30783, 30790
	Harman/Kardon	30582, 30702
	HCM	30788
	HDT	30705
	HE	30730, 31163, 31923
	Henss	30713
	HiMAX	30843
	Hitachi	30573, 30664, 30665, 30713, 31247, 31920
	Hiteker	30672, 31923
	Hoeher	30651, 30713, 30831, 31004, 31224

Home Electronics	30730, 30770
Home Tech Industries	31224
Ноуо	30665
Humax	30646
Hyundai	30783, 30850, 31061, 31228
iLo	31348
Ingelen	30788
Ingersol	31023
Initial	30839, 30717
Inno Hit	30713
Insignia	31268
Integra	30571, 30627, 31634
Irradio	30869, 31115, 31224, 31233
IRT	30783
ISP	30695
Jamo	31036
Jaton	30665
JBL	30702
JDB	30730
JDV	31367
Jeken	30699
Jepssen	31250
JMB	30695
JNC	30672, 31271
JSI	31423
JVC	30503, 30539, 30558, 30623, 30867, 31164, 31597, 31860
jWin	31051
Kansas Technologies	31233, 31530
Karcher	30783
Kawasaki	30790
Kendo	30672, 30699, 30713, 30831
Kennex	30713, 30770, 30898
Kenwood	30490, 30534
Kiiro	30770
Kiss	30665, 30841, 31523
KLH	30815, 30717, 30790, 31020
Kloss	30533
Koda	31230
Konka	31192
Koss	30651, 31061, 31423
Kreisen	31421
KXD	31321, 31923
Lasonic	30627, 30798, 30789
Lawson	30768
Lecson	31533
	30872
Leiker	
Leiker Lenco	30651, 30699, 30713, 30770, 30774
Lenco	30774
Lenco Lenoir	30774 31228

Т

J

K

L

	LG	30591, 30741, 30790, 30869, 31906	1
	Lifetec	30651, 30831, 31347	I
	Limit	30768, 31104	
	LiteOn	31058, 31158	
	Lodos	30713	
	Loewe	30539, 30511, 30741, 30885	
	Logik	30713, 30884	
	Logix	30705, 30783	
	Luker	31367	
	Lumatron	30695, 30705, 30713, 30741, 30833, 31115, 31321, 31832	
	Lunatron	30741	I
	Luxman	30573	
	Luxor	30713, 31004, 31695, 31730	1
Μ	Magnasonic	30651, 30675	I
	Magnat	31923	I
	Magnavox	30503, 30539, 30646, 30675, 30713, 30821, 30885, 31140,	
	Magnex	31268 30723	
	Majestic	31345	
	Manhattan	30705, 30713	1
	Marantz	30503, 30539, 30675	
	Mark	30713	
	Marquant	30770	I
	Matsui	30672, 30651, 30695, 30713,	
		30884, 31004, 31695, 31730)
	Maxdorf	30788	(
	Maxent	31347	(
	Maxim	30713, 30872, 31367	
	Maya MBO	31345	(
	McIntosh	30690, 30730, 31730 31533	
	MDS	30713	
	Mecotek	30770	
	Medion	30651, 30630, 30774, 30783, 30831, 31006, 31270, 31345,	(
		31347, 31423	(
	MEI	30790	
	Memorex	30690, 30695, 30831, 31270	(
	Metronic	30690	כ
	Metz	30525, 30571, 30713	
	MiCO	30723, 30751, 31223	
	Micromaxx Micromedia	31695	
	Micromega	30503, 30539 30539, 31005	
	Microsoft	30522, 31708	1
	Microstar	30831	1
	Minato	30752	
	Minax	30713	
	Minerva	30705	
	Minoka	30770, 31115	
	Mintek	30839, 30717	1
	Mirror	30752	

Mitsubishi	31521, 30521, 30713, 31403	
Mizuda	30770, 31451	
Monyka	30665	
MPX	30843	
Mustek	30730, 31730	- 1
Mx Onda	30651, 30751, 31223	1
Mystral	30831	- 1
NAD	30741	1
Naiko	30770, 31004, 31367	
Narita	31367	1
NEC	30741, 30869, 31404	- 1
Neovia	31271	
Nesa	30717	- 1
Neufunk	30665	1
Nevir	30770, 30831, 31197	
NexxTech	31402	1
Nikkai	31923	
Nintaus	31051, 31202	1
Niro	32024	- 1
Norcent	30872, 31923	
Nordmende	30774, 30831	
Noriko	30752	
Nova	31923	
Nowa	30843	
Nu-Tec	31228	0
Okano	30752	u
Olidata	30672	R
Omni	30690, 30833, 30838, 30862, 31104, 31832	n
Onix	30838	
Onkyo	30503, 30627	
Oopla	31158	
Орро	31224	1
Optim	30843	
Optimus	30525, 30571	1
Orbit	30872	. 1
Orion	30695, 31233, 31695	
Oritron	30651	. 1
Ormond	30713	
P&B	31451	. 1
Pacific	30695, 30713, 30759, 30768, 30790, 30831	1
Packard Bell	30831	
Palladium	30695, 30713, 31906, 31920	
Palsonic	30672, 30852, 31056, 31321	1
Panasonic	30503, 30490, 30571, 30703, 31362, 31462, 31490, 31579, 31762, 31834, 31905, 31908	í
Panda	30717, 30789, 31203	
peeKTon	30898, 31224	
Philco	30690, 30862	ร่
Philips	30503, 30539, 30646, 30675, 30854, 30885, 31158, 31260, 31267, 31340, 31354	

Finno 31545 Phonotrend 30699 PianoDisc 31024 Pioneer 31965 Piu2 30850 Pointer 30784 Polaroid 31020, 31061, 31086 Polk Audio 30539 Portland 30770 Powerpoint 30872, 31005 Presidian 30675 Prima 31228 Prinz 30831 Procaster 31004 Proceed 30672 Prosoni 30713 Prosoni 30522 Prosoni 30522 Prosoni 30522 Prosoni 30522 Prosoni 30593, 30730, 31163, 31321, 31924 Pye 30539, 30646 QONIX 31051 Questar 30651 Radionette 30741, 30869, 31906, 32024 Radioshack 30571 Rate 30652, 30771, 30717, 30790, 30252, 31024, 31123, 3165 Revoy 30652, 30770, 30783, 30770, 30788, 31937, 31913, 31965	Philo	31345
PianoDisc31024Pioneer31965Pioneer31965Pioneer30850Pointer30784Polaroid31020, 31061, 31086Polk Audio30539Portland30770Powerpoint30872, 31005Presidian30675Prima31228Prinz30831Procaster31004Procaster30672Profland30522Proson30512Prosonic30699, 30752Provorito30599, 30730, 31163, 31321,Pye30539, 30646QONIX31051Questar30651Radionette30741, 30869, 31906, 32024Radionette30752, 30771, 30790,RACA30522, 30711, 307190,RACA30552, 30763, 30770, 30788,Resc30759, 30763, 30770, 30788,Resc30759, 30763, 30770, 30788,Resc30752, 30768Revoy30699, 30841Rex30838Richmond31233Richmond31233Richmond31233Roadstar30672, 30690, 30893, 30831, 31865Roadstar30772, 30783, 30893, 30893, 31051, 30773, 30783, 30893, 30893, 31051, 30773, 30783, 30893, 30893, 31051, 30773, 30783, 30893, 30893, 31051, 3145, 31923Reito30759, 30773, 30783, 30893, 30893, 31051, 3145, 31923Reito30752, 30768Revoy30699, 30841Rex30838Richmond31233Richmond31233Richmond <t< td=""><td></td><td></td></t<>		
Pioneer30490, 30525, 30571, 30631, 31965Piu230850Pointer30784Polaroid31020, 31061, 31086Polk Audio30539Portland30770Powerpoint30872, 31005Presidian30675Prima31228Prinz30831Procaster31004Procaster30672Proline30672, 30651, 30686, 30833, 31004, 31483Procaster30672Proline30672, 30651, 30686, 30833, 31004, 31483Proscan30522Prosonic30699, 30730, 31163, 31321, 31923Pye30539, 30646QONIX31051Questar30651Radionette30714, 30869, 31906, 32024Radionette30522, 3071, 30717, 30790, 31923, 3165Realistic30522, 30723, 30714, 30780, 31913, 31965Realistic30571Refer30689, 3074, 30780, 31913, 31965Realistic30571Refer30490Refer30759, 30763, 30770, 30788, 31913, 31965Realistic30572, 30768Revoy30699, 30841Rex30838Richmond31233Richmond31233Richmond31233Richmond31233Roadstar30772, 30789, 30833, 30898, 31051, 30773, 30783, 30898, 31051, 30773, 30783, 30898, 31051, 30773, 30783, 30898, 31051, 30773, 30783, 30898, 31051, 30773, 30783, 30898, 31051, 30773, 30783, 30898, 31051, 30774, 30789Ronin30872Rocksonic <td< td=""><td></td><td></td></td<>		
Number 31965 Plu2 30850 Pointer 30784 Polaroid 31020, 31061, 31086 Polk Audio 30539 Portland 30770 Powerpoint 30872, 31005 Presidian 30675 Prima 31228 Prinz 30831 Prism 30705, 30831 Pro2 31345 ProCaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Proscan 30522 Prosonic 30699, 30752 ProVision 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30714, 30869, 31906, 32024 RadioShack 30571 Ret 30652, 30771, 30717, 30790, 30282, 31022, 31132, 31769, 30271, 30790, 30282, 31022, 31132, 31769, 30271, 30790, 30282, 31022, 31132, 31769, 30271, 30790, 30282, 31022, 31132, 31769, 30271, 30790, 30282, 31022, 31132, 31769, 30271, 30790, 30252, 30751, 30770, 30788, 30459, 30713, 31933, 31965 <td></td> <td>30490, 30525, 30571, 30631,</td>		30490, 30525, 30571, 30631,
Num 30784 Pointer 30784 Pointer 3023 Polaroid 31020, 31061, 31086 Polk Audio 30539 Portland 30770 Powerpoint 30872, 31005 Presidian 30675 Prima 31228 Prinz 30831 Pro2 31345 Pro2 31345 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 31923 Storestar 30651 Radionette 30741, 30869, 31906, 32024 Radioshack 30571 Ratie 30665 Ratie 30665 Ratie 30571, 30717, 30790, 30720, 31763, 30770, 30784, 30822, 31022, 31132, 31769, 30872, 31769, 30872, 31769, 30770, 30788, 30893, 3145, 31923 Relistic 305751, 30763, 30770, 30788, 30869, 31931, 31965 <		
Polaroid 31020, 31061, 31086 Polk Audio 30539 Portland 30770 Powerpoint 30872, 31005 Presidian 30675 Prima 31228 Prinz 30831 Prism 30705, 30831 Pro2 31345 ProCaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 31923 ProVision 3051 QONIX 30051 QONIX 30561 Radionette 30741, 30869, 31906, 32024 Radioshack 30571 Ratite 30665 RAdioshack 30571 Ratite 30522, 3071, 30717, 30790, 30822, 31022, 31132, 31769, 30822, 31024, 31324, 31923 Rectar 30522, 30753, 30770, 30788, 30889, 31931, 31965 Realistic 30571 Rectar 30579, 30763, 30770, 30788, 30898, 3145, 31923 Relisys <		
Polk Audio 30539 Portland 30770 Powerpoint 30872, 31005 Presidian 30675 Prima 31228 Prinz 30831 Prism 30705, 30831 Pro2 31345 Procaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 31923 ProVision 3051 QONIX 30651 Radionette 30741, 30869, 31906, 32024 Radionette 30571 S0651 30651 Ratie 30665 QONIX 30522, 3071, 30717, 30790, 30824, 31923 Reckar 30571 Ratie 30665 Redstar 30571 Reckar 30572, 30763, 30770, 30784, 31923 Relistic 30571 Reckar 30759, 30763, 30770, 30784, 31923 Relisty 31347		
Portland30770Powerpoint30872, 31005Presidian30675Prima31228Prinz30831Prism30705, 30831Pro231345ProCaster31004Proceed30672, 30651, 30686, 30833, 31004, 31483Proscan30522Proson30572, 30651, 30686, 30833, 31004, 31483Proson30572, 30651, 30686, 30833, 31004, 31483Proson30572, 30651, 30686, 30833, 31004, 31483Proson30522Proson30592, 30730, 31163, 31321, 31923ProVision30599, 30752ProVision30599, 30730, 31163, 31321, 31923Pye30539, 30646QONIX31051Questar30651Radionette30741, 30869, 31906, 32024RadioShack30571RCA30522, 30571, 30717, 30790, 31913, 31965Realistic30571REC30490Redstar30759, 30763, 30770, 30788, 30898, 31345, 31923Relisys31347Reoc30752, 30768Revoy30689, 30841Rex30889, 31345, 31923Riomond31233Riomond31233Riomond31233Riomond30272, 30689, 30713, 30730, 30833, 30898, 31051, 30730, 30833, 30898, 31051, 		
Powerpoint 30872, 31005 Presidian 30675 Prima 31228 Prinz 30831 Prism 30705, 30831 Pro2 31345 Procaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proceed 30572, 30651, 30686, 30833, 31004, 31483 Proson 30512 Prosonic 30699, 30752 ProVision 31923 Pye 30539, 30646 QONIX 31051 Questar 30651 Radionette 30741, 30869, 31906, 32024 Radioshack 30571 Ratie 30665 Ratie 30665 Rech 30522, 30571, 30717, 30790, 31913, 31965 Rech 30572, 30763, 30770, 30784, 31913, 31965 Rech 30575, 30763, 30770, 30788, 30490 Rech 30759, 30763, 30770, 30784, 31913, 31965 Realistic 30579, 30763, 30770, 30784, 31913, 31965 Reoc 30759, 30763, 3077		
Presidian 30675 Prima 31228 Prinz 30831 Prism 30705, 30831 Pro2 31345 ProCaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Rate 30665 QONIX 31061 Questar 30571 Rate 306522, 30571, 30717, 30790, 30780, 30822, 31022, 31132, 31769, 30821, 31945, 31923 Reatistic 30571 Rect 30490 Rect 30490 Relisty 31347 Reoc 30752, 30763, 30770, 30788, 30828, 31982, 31982 </td <td></td> <td></td>		
Prima 31228 Prinz 30831 Prism 30705, 30831 Pro2 31345 ProCaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30572 Prosonic 30699, 30752 ProVision 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Rate 30665 RAdioShack 30571 Rate 306522, 3072, 3173, 3179, 30790, 30780, 30770, 30780, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30828, 3193, 31965 Realistic 305752, 30763, 30770, 30788, 30898, 31345, 31923 Relex 30689, 3074, 30780, 30872, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838		
Prinz 30831 Prism 30705, 30831 Pro2 31345 ProCaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscen 30572 Proson 30522 Proson 30699, 30752 ProVision 30699, 30752 ProVision 30699, 30752 ProVision 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Rate 30665 RADISPACE 30522, 3071, 30717, 30790, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30823, 31981, 31965 Rechastar 30552, 30751, 30770, 30788, 3089, 30841, 3089, 31945, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30898, 3133, 33898, 31051, 3172, 31769, 30871, 30789, 30871, 31064		
Nume Boost Prism 30705, 30831 Pro2 31345 ProCaster 31004 Proceed 30672, 30651, 30686, 30833, 31004, 31483 Proscen 30522 Proson 30713 Proson 30593, 30730, 31163, 31321, 31923 Provision 30699, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 Ratie 30652, 3071, 30717, 30780, 30522, 30713, 30710, 30780, 30522, 30712, 31132, 31769, 31913, 31965 Reatistic 30572, 30718, 30770, 30788, 30970, 30788, 30971, 30789, 30759, 30759, 30773, 30778, 30759, 30753, 30770, 30788, 31913, 31965 Reatistic 30571 Recc 30752, 30763, 30770, 30788, 30759, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Recc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30752, 30690, 30699, 30713, 3122, 3112, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172, 3172		
Pro2 31345 ProCaster 31004 Proceed 30672 Proline 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Proson 30672, 3072 Proson 30699, 30752 ProVision 30699, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Rate 30665 RAT 30522, 3071, 30717, 30790, 31913, 31965 RCA 30522, 3071, 307174, 30790, 31913, 31965 Realistic 30571 Rete 30651 Redstar 30572, 30763, 30770, 30788, 31913, 31965 Redstar 30575, 30773, 30783, 30770, 30788, 30698, 31345, 31923 Reisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838, 3145, 31923 Richmond 31233 Rio <td< td=""><td></td><td>00001</td></td<>		00001
ProCaster 31004 Proceed 30672 Proline 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 30593, 30646 QONIX 31051 Questar 30651 Radionette 30713, 30163, 31321 Pye 30539, 30646 QONIX 31051 Questar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Rate 30652, 3027, 30717, 30780, 31913, 31965 Reclastic 30572, 30761, 30770, 30788, 31913, 31965 Realistic 30571 REC 30490 Redstar 30578, 30770, 30788, 30450 Relisys 31347 Recc 30759, 30841 Rex 30838 Richmond 31233 Rio 30672, 30690, 30699, 30713, 31227 Rocksonic 30779, 30833, 30898, 31051, 31227 Rocksonic 30779, 30783, 30		
Proceed 30672 Proline 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 30593, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 Radioshack 30571 Rate 30652, 3071, 30717, 30790, 31913, 31965 RCA 30522, 31022, 31132, 31769, 30522, 30712, 30713, 30790, 31913, 31965 Realistic 30571 Rete 30652, 3071, 30717, 30780, 31913, 31965 Realistic 30571 Rec 30490 Redstar 30759, 30763, 30770, 30788, 30490 Relisys 31347 Recc 30752, 30768 Revoy 30689, 30841 Rex 30838 Richmond 31233 Rio 307672, 30680, 30699, 30713, 31227 Rocksonic 30787, 30690, 30898, 31051, 31227 Rocksonic 30789		
Proline 30672, 30651, 30686, 30833, 31004, 31483 Proscan 30522 Proson 30713 Prosonic 30699, 30752 ProVision 30593, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30711, 30869, 31906, 32024 Radionette 30741, 30869, 31906, 32024 Radionette 30741, 30869, 31906, 32024 Radioshack 30571 Raite 30652, 30571, 30717, 30790, 31913, 31965 Ratite 30652, 30571, 30717, 30790, 30522, 31022, 31132, 31769, 31913, 31965 Realistic 30571 Rec 30490 Redstar 30579, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Recc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30672, 30690, 30699, 30713, 30730, 30833, 30898, 31051, 31227 Rocksonic 30782, 30691, 30693, 30691, 30720, 30833, 30898, 31051, 30720, 30740, 30872, 31004		
Home 31004, 31483 Proscan 30522 Proson 30522 Prosonic 30699, 30752 ProVision 30593, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30713, 30163, 3122, 4132 Radioshack 30571 Raite 30665 RCA 30522, 30571, 30717, 30790, 30282, 31022, 31132, 31769, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 3082, 31022, 31132, 31769, 31913, 31965 Realistic 30571 Recc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Silcz 3072, 30690, 30699, 30713, 30730, 30833, 30898, 31051, 31227 Rocksonic 30770, 30789 Roinin 30872 Rout 30572, 30690, 30692, 30713, 7370, 30780, 30770, 30783, 30780, 30770, 30783, 30898, 31051, 312277 Rocksonic </td <td></td> <td></td>		
Proson 30713 Prosonic 30699, 30752 ProVision 30699, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 Radionette 30741, 30869, 31906, 32024 Radionette 30571 Ratie 30665 Ratie 30665 Ratie 306622, 30571, 30717, 30789, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30752, 30690, 30693, 30713, 3120, 31204 Rocksonic 30782, 30833, 30898, 31051, 3122, 7 Rocksonic 30782, 30693, 30893, 31051, 3122, 7 Rocksonic 30789 Ronin 30872	Proline	31004, 31483
Prosonic 30699, 30752 ProVision 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 Radionette 30571 Ratio 30651 Rationette 30522, 30571, 30717, 30780 Rate 30652 RAT 30522, 30571, 30717, 30780, 30822, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31945, 31923 Relistys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30672, 30690, 30693, 30713, 30700, 30833, 30898, 31051, 3172, 31704 Rooksonic 30767, 30833, 30898, 31051, 3122, 3122 Rooksonic 30787, 30630, 30693, 30713, 3070, 30789 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowasonic 30789 <tr< td=""><td>Proscan</td><td></td></tr<>	Proscan	
ProVision 30699, 30730, 31163, 31321, 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 Radionette 30741, 30869, 31906, 32024 Radionette 30571 Rate 30665 Ratite 30651 Rate 30652, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relistys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30762, 30690, 30693, 30713, 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowa 30789 Rowa 30789 <t< td=""><td>Proson</td><td>30713</td></t<>	Proson	30713
Flowision 31923 Pye 30539, 30646 QONIX 31051 Qwestar 30651 Radionette 30741, 30869, 31906, 32024 Radionette 30571 Ratie 30655 Ratioshack 30571 Rate 30665 Ratie 30622, 3022, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30822, 31022, 31132, 31769, 30829, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30762, 30690, 30693, 30713, 30740, 30780, 30770, 30784 Rooksonic 30781, 30730, 30833, 30898, 31051, 30722, 20104 Rooksonic 30782, 30623 Roin 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowa 30789 Saba 30651, 3055 <	Prosonic	
QONIX 31051 Qowestar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Raite 30665 Raite 30622, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 Realistic 30571 Reck 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30782 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowa 30717, 30759, 30872, 31004 Rowa 30717, 30759, 30872, 31004 Rowa 30717, 3055 Saba 30651, 3055	ProVision	
Convestar 30651 Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Raite 30665 Raite 30622, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 Realistic 30571 Redistar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30782, 30690, 30699, 30713, 31227 Rocksonic 30782 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowa 30717, 30759, 30872, 31004 Rowa 30717, 30759, 30872, 31004 Rowa 30789 Saba 30651, 3055 Sabaki 30798	Pye	30539, 30646
Radionette 30741, 30869, 31906, 32024 RadioShack 30571 Raite 30665 Raite 30522, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 Realistic 30571 ReC 30490 Redstar 30522, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30782, 30690, 30699, 30713, 3720, 30833, 30898, 31051, 31227 Rocksonic 30782 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowa 30789 Saba 30651, 3055 Sabaki 30798	QONIX	31051
RadioShack 30571 Raite 30665 Raite 30522, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 Realistic 30571 Recl 30571 Recl 30571 Redistar 30571 Respective 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30770, 30833, 30898, 31051, 31227 Rocksonic 30872 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowanonic 30789 Saba 30651, 3055 Sabaki 30798	Qwestar	30651
Raite 30665 RCA 30522, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 REC 30571 REC 30490 Redstar 30522, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30782 Rotnin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowa 30717, 30759, 30872, 31004 Rowa 30789 Saba 30651, 3055 Sabaki 30798	Radionette	30741, 30869, 31906, 32024
RCA 30522, 30571, 30717, 30790, 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30672, 30690, 30699, 30713, 3720, 30833, 30898, 31051, 31227 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30782 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowasonic 30789 Saba 30651, 3055 Sabaki 30798	RadioShack	30571
RCA 30822, 31022, 31132, 31769, 31913, 31965 Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30752, 30690, 30699, 30713, 31227 Rocksonic 30872 Rotel 30578, 30623 Roin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rowasonic 30789 Saba 30651, 3055 Sabaki 30798	Raite	
Realistic 30571 REC 30490 Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relsys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30699, 30713, 30769, 30699, 30713, 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Roinin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	RCA	30822, 31022, 31132, 31769,
Redstar 30759, 30763, 30770, 30788, 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30752, 30690, 30699, 30713, 31227 Rocksonic 30789, 30833, 30898, 31051, 31227 Rocksonic 30789 Roin 30572, 30630, 30692, 30713, 31227 Rocksonic 30789 Roin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Realistic	
Neustar 30898, 31345, 31923 Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Soloff, 30690, 30699, 30713, 31227 Rocksonic 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Roin 30572, 30503, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	REC	30490
Relisys 31347 Reoc 30752, 30768 Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30672, 30690, 30693, 30713, 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Redstar	
Revoy 30699, 30841 Rex 30838 Richmond 31233 Rio 30869 Roadstar 30672, 30690, 30699, 30713, 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Relisys	
Rex 30838 Richmond 31233 Rio 30869 Gadsaar 30730, 30833, 30898, 31051, 31227 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Reoc	30752, 30768
Richmond 31233 Rio 30869 Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Revoy	30699, 30841
Rio 30869 Roadstar 30672, 30690, 30699, 30713, 31227 Rocksonic 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Rex	30838
30672, 30690, 30699, 30713, Roadstar 30730, 30833, 30898, 31051, 31227 30789 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Richmond	31233
Roadstar 30730, 30833, 30898, 31051, 31227 Rocksonic 30789 Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Rio	30869
Ronin 30872 Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Roadstar	30730, 30833, 30898, 31051,
Rotel 30558, 30623 Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Rocksonic	30789
Rowa 30717, 30759, 30872, 31004 Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Ronin	30872
Rownsonic 30789 Saba 30651, 3055 Sabaki 30798	Rotel	30558, 30623
Saba 30651, 3055 Sabaki 30798	Rowa	30717, 30759, 30872, 31004
Sabaki 30798	Rownsonic	30789
	Saba	30651, 3055
Saivod 30759, 30831, 31367	Sabaki	30798
	Saivod	30759, 30831, 31367

Salora	30741
Sampo	30752, 31321, 31347
Samsung	30490, 30573, 30744, 30199, 30820, 30899, 31044, 31075, 31635, 31932
Sansui	30784, 30695, 30751, 30763, 30768, 31051, 31228, 31230, 31695, 31832
Sanyo	30670, 30675, 30695, 30713, 30873, 31228
Scan	30705, 30850
ScanMagic	30730, 31730
ScanSonic	31695
Schaub Lorenz	30770, 30788, 31115, 31151
Schneider	30539, 30646, 30651, 30705, 30713, 30774, 30783, 30788, 30790, 30831, 30869, 31367
Schwaiger	30752
Scientific Labs	30768
Scott	30672, 30651, 31005, 31036,
Seeltech	31233, 31423 31224, 31451
SEG	30798, 30665, 30713, 30763, 30872, 30884, 31483, 31530
Sensory Science	31158
Shanghai	30672
Sharp	30630, 30675, 30713, 30752, 31256, 32015, 32024
Sharper Image	31117
Sherwood	30717, 30741, 30770
Shinco	30717
Shinsonic	30533, 30839
Siemssen	31382
Sigmatek	31005, 31224
Siltex	31224
Silva	30788, 30898
Silva Schneider	30831, 30898
SilverCrest	31152
Simaudio	30885
Singer	30690, 30751, 30768
Sistemas	30672
Skantic	30539, 30713
Skymaster	30730, 30768
Skyworth	30898
Sliding	31115
Slim Art	30784
SM Electronic	30690, 30730, 30768, 31152
Smart	30705, 30713
Sonai	30755
Sonashi	30831
Sonic Blue	30573, 30715, 30783, 30869, 31099 30533, 31533, 30864, 30573,
Sony	30630, 30772, 31033, 30673, 30630, 30772, 31033, 31070, 31431, 31433, 31536, 31633, 31769, 31981, 32043
Sound Color	31233
Soundmaster	30768

Soundmax	30768
Soundwave	30783
Spectra	30872
Standard	30651, 30768, 30788, 30831, 30898
Star Clusters	31152, 31227
Starlogic	31005
Starmedia	31005, 31224
Stevison	31367
Strong	30713
Sunkai	30770, 30850
Sunstech	30831
Sunwood	30788, 30898
Superscan	30821
Supervision	30768, 31152
SVA	30672, 30717, 30752, 31105
Sylvania	30630, 30675, 30821, 31268
Symphonic	30675, 30821, 31268
Synn	30768
Tandberg	30713, 31695
Tangent	31321
Targa	31227
Tatung	30770, 31695
Tchibo	30741
TCL	31180
TCM	30741, 30790
Теас	30571, 30717, 30675, 30741, 30759, 30768, 30790, 30833, 31006, 31197, 31227
Tec	30898
Technica	31367, 31695
Technics	30490, 30703, 31905
Technika	30770, 30831, 31115, 31695
Technisson	31115
Technosonic	30730, 31051, 31115
Techwood	30713, 31530
Tedelex	30690, 30768, 31004, 31228
Telefunken	30789, 30790, 30833, 31483, 31832, 31923
Teletech	30713, 30768
Tensai	30651, 30690, 30770
Tevion	30651, 30798, 30768, 30833, 30898, 31036, 31227, 31347, 31382, 31483, 31730, 31923
Theta Digital	30571
Thomson	30522, 30511, 30551
Tivo	31503
Tokai	30784, 30665, 30788, 30790, 30898
Tom-Tec	30789
Top Suxess	31224
Toshiba	30503, 30573, 30539, 30695, 31045, 31154, 31503, 31510,
	31769
TRANS-continents	31769 30831, 30872, 31321, 31327

T

	Tredex	30843	A
	TruVision	31451	
	Tsinghua Tongfang	31205	
	TSM	31224	
U	Umax	30690, 31151	
	Unimax	30770	_
	United	30675, 30695, 30699, 30713, 30730, 30788, 30884, 31115, 31152, 31228, 31367, 31832	B C
	Universum	30591, 30713, 30741, 30790, 30869, 31227, 31530, 31913	
	Uptek	30763	
	upXus	31345	
	Urban Concepts	30503, 30539	
	US Logic	30839	
V	Venturer	30790	
	Vestel	30713, 30884, 31530	
	Victor	31597	D
	Vieta	30705	_
	Viewmaster	30862, 31224	
	Voxson	30690, 30730, 30774, 30831	
	Vtrek	31228	
W	Waitec	31151, 31224, 31233	E
	Walkvision	30717	
	Waltham	31530	
	Welkin	30831	
	Wellington	30713	F
	Weltstar	30713	
	Wesder	30699	
	Wharfedale	30686, 30751, 30752, 30790, 31832	G
	Wilson	30831, 31233	
	Windsor	30713	
	Windy Sam	30573	
	WIZE	31115	
	Woxter	31005, 31151, 31224	н
X	Xbox	30522, 31708	. I
	Xenius	30790	_ <u>.</u> .
	XLogic	30768, 31152, 31228	J
	XMS	30770, 30788	K
	Xoro	31183, 31250	
Y	Yakumo	31004, 31056	
	Yamada	30872, 31004, 31056, 31151, 31158	L
	Yamaha	30490, 30539, 30646, 30545, 31354	
	Yamakawa	30665, 30872, 31104	
	Yukai	30730, 31730	
Ζ	Zenith	30503, 30591, 30741, 30869, 31906	M
	Zeus	30784	IVI
מ	VD Recorder		
		21150	
1	4Kus	31158	

A	Airis	31321	
	Akira	31321	
	Alba	31530	
	Apex Digital	31056	
	Aristona	30646	
	Aspire Digital	31168	
B	Belson	31086	
C	Cat	31421	
	cello	31730	
	Centrum	31227	
	Classic	31730	
	Coby	31086	
	Commax	31321	
	Conia	31321	
	CyberHome	31129,	31502
	Cytron	31347	
D	Denon	30490	
	Denver	31056	
	Digitrex	31056	
	DSE	31730	
	Durabrand	31502	
Ε	E:max	31321	
٦,	Ellion	31421	
	Eltax	31321	
	Emerson	30675	
ΕĽ	Ferguson	31730	
Ξı	Firstline	31530	
	Funai	30675	
G	Gateway	31158	
u I	Go Video		31158, 31730
	Goodmans	31530,	
	GPX	30741	31730
	Grundig	31730	
н	H & B	31730	
п. 			
Ľ	Humax iLo	30646 31348	
ı J	JVC		21507
- 1		31164,	31337
K	Kansas Technologies		
	Kreisen	31421	
i I	KXD	31321	
L	LG	30741	
	Lifetec	31347	
	LiteOn	31158	
	Loewe	30741	
	Lumatron	31321	
a e l	Luxor	31730	00075
M	Magnavox	30646,	30675
	Matsui	31730	
	Maxent	31347	
	MBO	31730	
	Medion	31347	
	MiCO	30751	

	Mitsubishi	31403
	Mustek	31730
Ν	NEC	31404
0	Oopla	31158
P	Palsonic	31056, 31321
	Panasonic	30490, 31579
	Philips	30646, 31158
	Pioneer	30631
	Polaroid	31086
	ProVision	31321
	Руе	30646
R	RCA	30522
	Relisys	31347
	Roadstar	31227
S	Sampo	31347
	Samsung	30490, 31635
	ScanMagic	31730
	Schneider	30646
	SEG	31530
	Sensory Science	31158
	Sharp	30630, 30675
	Sony	31033, 31070, 31431, 31433, 31536
	Star Clusters	31227
	Sylvania	30675
T	Tangent	31321
	Targa	31227
	Teac	31227
	Techwood	31530
	Tevion	31227, 31347, 31730
	Thomson	30551
	Toshiba	31510
U	Universum	31227, 31530
V	Vestel	31530
	Victor	31597
W	Waltham	31530
Y	Yakumo	31056
	Yamada	31056, 31158
	Yamaha	30646
	Yukai	31730
Z	Zenith	30741

DVD preset codes / Codes préréglés DVD			
		32134 (default / défaut)	30490
0	DVD-555	DVD-2910	DVD-800
nér	DVD-755	DVD-2930CI	DVD-1600
numéro	DVD-900	DVD-3800	DVD-2000
	DVD-910	DVD-3910	DVD-2500
No. / Modéle	DVD-955	DVD-3930CI	DVD-3000
ž	DVD-1000	DVD-5900	DVD-3300
	DVD-1200	DVD-5910	
Ž	DVD-1500	DVD-9000	
JENON Model	DVD-1710	DVM-715	
- P	DVD-1910	DVM-1800	
z	DVD-1930CI	DVM-1805	
9	DVD-2200	DVM-1815	
Ш Ш	DVD-2800	DVM-2815	
	DVD-2800II	DVM-4800	
	DVD-2900		

[]* : Preset codes set upon shipment from the factory.

: Les codes préréglés différent en fonctiom des livraison de l'usine.

- *1 : These preset codes can be recorded in the SAT/CBL mode.
 : Ces codes de présélection peuvent être enregistrés en mode SAT/CBL.
- **2 : These preset codes can be recorded in the TV mode.: Ces codes de présélection peuvent être enregistrés en mode TV.
- 3 : These preset codes can be recorded in the VCR mode.: Ces codes de présélection peuvent être enregistrés en mode VCR.
- **4 : These preset codes can be recorded in the DVD mode.: Ces codes de présélection peuvent être enregistrés en mode DVD.



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