



Denon PerL

Denon PerL True Wireless Earbuds

Personalized sound powered by Masimo Adaptive Acoustic Technology (AAT) combines with Denon signature sound to deliver a personalized, vivid, and spacious audio experience.

HIGHLIGHTS

YOUR BENEFITS

Masimo Adaptive Acoustic Technology (AAT)

Normal hearing varies from person to person and can impact your listening experience. Masimo AAT automatically measures your hearing and creates a profile perfectly tuned to you.

Denon sound philosophy

This and all other Denon products have our signature vivid and spacious sound quality and are hand-tuned by the Denon Sound Master. We will always remain faithful to true audio reproduction.

Active noise canceling

Tune out the distractions of the world with active noise cancelation so you can focus on your music.

Social Mode

Social Mode lets in outside sound so you can have a quick chat or be aware of your surroundings.

Long-lasting power

Up to 6 hours of battery life with a single charge* and up to 18 hours of battery life from the charging case.**

Weather and sweat resistant

Rated IPX4 to withstand a tough workout or a commute in the rain.

Customizable touch controls

Four fully customizable touch inputs on each earbud let you control play/pause, skip track, change volume, and more.

Denon Headphones app

Create your unique profile, customize touch controls, select noise canceling or Social Mode, and more.

Comfort and fit

With five tip options and two wings, the earbuds stay in place comfortably.

Immersion Mode

Adjust the level of bass based on the style of music or your personal preference.

Quick Switch

Easily switch connection between devices.

Over a century of audio innovation

Since 1910, Denon has perhaps made more technological advancements than any other audio brand. Our dedication to groundbreaking sound innovation has cemented our reputation as a visionary and a tastemaker, not only with our customers, but with our partners and competitors.



Masimo Adaptive Acoustic Technology (AAT)

Masimo AAT creates a unique hearing profile by playing a range of tones into your ears and measuring very faint sounds called otoacoustic emissions (OAEs), which are produced by the inner ear as a byproduct of amplifying sound. We can determine which frequencies your ears are more or less sensitive to by measuring OAEs. We then synthesize this information with our self-learning engine to create your unique hearing profile. Using your profile, the earbuds sonically shape your music so that it matches your hearing profile and delivers every detail of the music you love.

Technical Information		
Audio & ANC		
Masimo Adaptive Acoustic Technology	Yes	
Noise Cancelling	Active noise cancelling	
Transparency	Yes, Social Mode	
Driver Size	10 mm	
Driver Type	Dynamic, low distortion	
Frequency Range	20 Hz–20 kHz	
Qualcomm aptX Lossless Codec	No	
Spatial Audio	No	
Head Tracking (for Spatial Audio)	No	
Adjustable Bass	Yes, Immersion Mode	
Bluetooth		
Bluetooth Version	5.0	
Bluetooth Codecs	AAC, SBC, aptX	
Bluetooth Quick Switch	Yes	
Multipoint	No	
Battery & Charging		
Battery Life–Buds	6 hrs*	
Battery Life with Case	18 hrs**	
Charging Cable Type	USB-A to USB-C	
Wireless Charging (Case)	No	
Quick Charge	10 min for 1 hr playback	
Case Charge Time	2 hrs	
Voice Calls		
Number Microphones	2	
aptX Voice for Super Wideband Calls	No	
Comfort & Fit		
Tips	XS, S, M, L	
Foam Tips	1x	
Secure-Fit Wings	2x	
Fit Detection	Yes	
Controls		
Touch Controls	Yes, customizable	
Auto Power On/Off	Yes	
Denon Headphones App	Yes	
General		
Water Resistance	IPX4	
Earbud Dimensions, mm	24.8 x 24.8 x 25.3	
Earbud Weight, g	7.1	
Case Dimensions, mm	72.4 x 30.2 x 35	
Case Weight, g	47.4	

*Testing performed by Denon in October 2023 using production PerL and software paired with a smartphone. Music track is stereo AAC encoded music file. Actual battery life differs based on device settings, environment, usage, and additional factors.

**Testing performed by Denon in October 2023 using production PerL and software paired with a smartphone. Music track is stereo AAC encoded music file. Volume was set to 50% with active noise cancellation disabled. The profile was set to default mode. The immersion slider was set to middle. Actual battery life differs based on device settings, environment, usage, and additional factors.

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