



## Denon PerL Pro

### Denon PerL Pro True Wireless Earbuds

Personalized sound powered by Masimo Adaptive Acoustic Technology (AAT) combines with lossless and spatial audio technologies to deliver an unrivaled listening 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.

Lossless and spatial audio

Listen to CD-quality, uncompressed audio over Bluetooth with Qualcomm® AptX Lossless™. Feel like you're in the middle of your audio content with spatial audio from Dirac Virtuio.

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.

Adaptive active noise canceling and transparency

Choose to tune out the world with adaptive active noise cancelation or be aware of your surroundings with Social Mode.

Stay charged

With up to eight hours of earbud battery life per charge, three additional charges in the case, and wireless case charging, your earbuds are always ready to go.

Best-in-class voice calls

With Qualcomm® aptX™ Voice for super-wideband (32kHz) voice calls and eight microphones for voice pickup, your voice calls will be clear.

Connect to two devices simultaneously

With Multipoint, you can connect to two devices at the same time.

Denon Headphones app

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

Weather and sweat resistant

Rated IPX4 to withstand your toughest workout or getting caught 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.

Immersion Mode

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

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.

#### Qualcomm aptX Lossless technology

Hear your music in stunning lossless quality. Many Bluetooth techniques for compressing and decompressing audio can destruct parts of the data and reduce the quality of the output. Snapdragon Sound with Qualcomm® aptX™ Lossless technology retains all of the original content, bit for bit, resulting in music identical to the original recording. It's designed to scale up to deliver lossless audio when users are listening to lossless streaming source content, and it can scale back the bit rate in busy RF environments to ensure no drop-outs or audio glitches.

#### Dirac Virtu

Dirac Virtu™ for Bluetooth headphones turns any standard stereo content into an immersive sound experience with enhanced sound quality. Spatialized stereo makes it seem as though sound comes from a pair of premium speakers in front of the listener, without requiring specific spatial audio content. Filter design removes unintended resonances to reach a crisp and clean sound canvas.

#### Adaptive active noise cancellation

Adaptive active noise cancellation automatically adjusts according to the loudness of the environment, the level of noise leak-through, and the tightness of fit in the ears.

Technical Information			
Audio & ANC		Bluetooth	
Masimo Adaptive Acoustic Technology	Yes	Bluetooth Version	
Noise Cancelling	Adaptive active noise cancelling	5.3	
Transparency	Yes, Social Mode	Bluetooth Codecs	
Driver Size	10 mm	aptX Lossless, aptX Adaptive, aptX Classic, AAC, SBC	
Driver Type	Ultralow-distortion triple-layer titanium diaphragm dynamic driver	Bluetooth Quick Switch	
Frequency Range	20 Hz-40 kHz	Yes	
Qualcomm aptX Lossless Codec	Yes	Multipoint	
Spatial Audio	Yes, Dirac Virtu	Yes	
Head Tracking (for Spatial Audio)	No	Battery & Charging	
Adjustable Bass	Yes, Immersion Mode	Battery Life-Buds	8 hrs
		Battery Life with Case	32 hrs
		Charging Cable Type	USB-A to USB-C
		Wireless Charging (Case)	Yes
		Quick Charge	5 min for 1 hr playback
		Case Charge Time	1 hr
		Voice Calls	
		Number Microphones	4 on each side, including 2 bone conduction
		aptX Voice for Super Wideband Calls	Yes
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	26.2 x 26.2 x 25.3		
Earbud Weight, g	8		
Case Dimensions, mm	72.4 x 30.2 x 35		
Case Weight, g	55.5		