



WH-H900N/R

h.ear on 2 Wireless Noise Cancelling Headphone

Enjoy music the way it was meant to be heard with lightweight, comfortable wireless headphones that deliver crisp Hi-Res Audio⁴. Digital noise cancelling reduces ambient noise so you only hear studio-quality sound. You'll get enhanced Bluetooth[®] streaming quality³ with LDAC[™], and touchpad controls so you can control volume and skip tracks by touching your ear cup.



Features

Comfortable ear pads, folding design for easy carrying and wearing

With the soft, padded ear pads, you can listen all day in comfort¹. The folding design means the headphones fit easily into the supplied carrying pouch, so you can bring them everywhere.

Truly authentic sound with Hi-Res Audio

Experience digital music to the fullest with High-Resolution Audio⁴. By capturing music at a higher rate than CD, increasing both audio samples per second and the bit-rate accuracy of each sample, Hi-Res Audio offers an uncompromised rendition of an artist's music. Savor every breath and subtle movement for a truly emotional experience.

LDAC[™]: for the transmission of High-Resolution Audio content

LDAC[™] supports several transmission rates according to your wireless environment. It allows you to enjoy High-Resolution Audio content in exceptional sound quality by transmitting at the maximum transfer rate: 990 kbps (approximately three times more data than conventional Bluetooth[®] audio). LDAC[™] provides an enhanced wireless listening experience for all your music, the way the artist truly intended.

Restore all your compressed files

The Digital Sound Enhancement Engine HX (DSEE HX[™]) upscales compressed digital music files and takes them closer to the quality of Hi-Res Audio.⁴ By restoring the high-range sound lost in compression, DSEE HX[™] produces your digital music files in rich, natural sound.

Digital noise cancelling for fewer distractions

Digital noise cancelling reduces a variety of ambient noise when listening to music. Two microphones built in to the headphones, one outside and one inside the housing, work with the digital noise cancelling engine to cut out unwanted sound.

Ambient sound mode keeps you aware

Hear essential everyday sounds like traffic and public announcements while still listening to your music in the background.

Quick Attention Mode for effortless conversations without taking your headphones off

Talk without taking your headphones off. Place one hand over the housing to instantly decrease music volume and import ambient sounds for conversation.

Touch Sensors to play and skip tracks, control volume by a simple tap or swipe on the ear cups

Simply touch the control panel on the ear cups to stop, play, skip through tracks, change volume or activate your smartphone's voice assistant features.

"Sony | Headphones Connect" APP for Android /iOS to use Smart Listening technology to control your ambient sound settings.

With the Sony | Headphones Connect app², you can adjust the music to your taste by choosing from presets or customizing the equalizer.

Battery life up to 28hrs (with wireless noise cancelling)

Perfect for commuting or when you want to enjoy your music all day, you can enjoy up to 28 hours¹ of music playback or talk time when fully charged. You can carry on listening even when the battery runs out too, by simply plugging in the supplied headphone cable.

NFC One-touch for instant connectivity

Near Field Communication (NFC[™]) and BLUETOOTH[®] technology³ make connecting to your music fast and easy. Just touch your NFC-enabled device to the headphones for a quick, seamless connection, then start streaming. No NFC[™] No problem. Connect via Bluetooth in your device settings and you're ready to go.



Specifications

Bluetooth	
Bluetooth® Technology	Version 4.1
Effective Range	Line of sight approx.30ft (10m)
Frequency Range	2.4GHz band(2.4000GHz-2.4835GHz)
Frequency Range(A2DP)	20Hz - 20,000Hz (44.1kHz Sampling) / 20Hz - 40,000Hz (LDAC 96kHz Sampling, 990kbps)
Interface	A2DP (Advanced Audio Distribution Profile), AVRCP (Audio Video Remote Control Profile), HFP (Hands-free Profile), HSP (Headset Profile)
NFC	Yes
Power Output	Bluetooth power class2
Supported Audio Format(s)	SBC, AAC, aptX, aptX HD, LDAC
Supported Content Protection	SCMS-T
General Features(Headphone)	
CableLength	Approx. 47.24 inch (1.2 m)
Cable Type	Single-sided (detachable)
Driver Unit	40mm, dome type (CCAW Voice Coil)
Frequency Response	5 Hz - 40,000 Hz (JEITA)
Headphone Type	Closed, Dynamic
Impedance	32 ohm(1kHz)(when connecting via the headphone cable with the unit turned on), 16 ohm(1kHz)(when connecting via the headphone cable with the unit turned off)
Magnet	Neodymium
Plug	Gold-plated, L-shaped, stereo mini plug
Sensitivity	103dB/mW(1kHz)(when connecting via the headphone cable with the unit turned on), 98dB/mW(1kHz)(when connecting via the headphone cable with the unit turned off)
Wearing Style	Circum Aural
Weights (Approx.) *excl.cable erights	Approx. 0.64 lb (290g)
General Features(Active Headphones)	
Batteries	DC3.6V : Built-in lithium-ion rechargeable battery
Battery Charge Method	USB
Battery Charge Time	Approx. 6 Hours
Battery Indicator (charge indication)	Red LED
Battery Indicator (working indication)	Blue LED, Red LED, Green LED, Yellow LED
Battery Life(continuous communication time)	Max. 28 hours (NC ON), Max. 34 hours (NC OFF)
Battery Life(continuous music playback time)	Max. 28 hours (NC ON), Max. 34 hours (NC OFF)
Battery Life(Waiting Time)	Max. 48 hours(NC ON), Max. 200 hours(NC OFF)
Frequency Response	5Hz - 40,000Hz
Input(s)	Micro USB, Stereo Mini Jack
Passive Operation	Yes
Volume Control	Touch sensor
General Features(Microphone)	
Direction of Microphone	All Direction
Effective Frequency of Microphone	50Hz-8,000Hz
Unit of Microphone	Electret Condenser Microphone
Accessories	



Supplied Accessories	Carring Pouch Connection Cable USB Cable Warranty Card Operating Instructions Reference Guide
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- 1. Actual performance varies based on settings, environmental conditions, and usage.
- 2. Requires download of Sony | Headphones Connect app for iPhone from the App Store or for Android from Google Play. User must link compatible devices in order to control operation. Subject to app terms and conditions
- 3. Interoperability and compatibility among Bluetooth® devices may vary.
- 4. Only compatible with High-Resolution Audio when wired.

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