

# SONY

## WH-1000XM2/B

### Wireless Noise Cancelling Headphones

Enjoy industry-leading digital noise cancellation in a headband style wireless headphone.<sup>1</sup> The Smart Listening feature allows you to hear only what you need or want to hear by optimizing your sound based on your activity and surroundings. With the Quick Attention feature, you can have effortless conversations without taking your headphones off.



### Features

---

#### Industry-leading Digital Noise Cancellation

Industry-leading noise cancellation means you'll hear more of your music than ever, without distractions.<sup>1</sup>

#### Quick Attention Mode

Communicate without taking your headphones off. Place your hand over the right ear cup to turn the volume down for instant conversation.

#### Sony | Headphones Connect for Android or iOS

Download the Android or iOS app to use Smart Listening by Smart Auto-settings, control your ambient sound settings and adjust the sound levels with the Equalizer.

#### Smart Listening by Adaptive Sound Control automatically adjusts to your surroundings and activities

Smart Listening by Adaptive Sound Control automatically detects your activity, whether you're travelling in an airport, walking on a crowded street, or sitting in a quiet area — then balances the noise cancelling levels accordingly. You can customize them to your preferences with the Sony | Headphones Connect App.<sup>3</sup>

#### Ambient Sound Mode

Adjust Ambient Sound with the Sony | Headphones Connect App to hear essential sounds when you're listening on the move.<sup>3</sup>

#### Touch Sensor on earcup

Change the track, turn the volume up or down, and take or make calls by tapping or swiping the panel with your fingertip.

#### Noise Cancelling Optimizer

The Noise Cancelling Optimizer analyzes features such as your face shape, hair style, and presence or absence of eyeglasses to optimize your noise cancelling performance.<sup>2</sup>

#### All day power and quick charging

Keep the music playing with up to 30 hours of battery life and quick charging, for up to 70 minutes of play after just 10 minutes of charging.<sup>2</sup>

#### Hi-Res Audio

Hear music that stays true to the original recording with Hi-Res Audio. Optimized for Hi-Res Audio, S-Master HX™ reduces distortion and allows you to enjoy all the subtleties in your music.<sup>5</sup>

#### SENSE ENGINE™ tailor the sound to you

SENSE ENGINE™ gives you the power to tune in and out of your music at a touch.

#### Virtual surround sound

Immerse yourself in sound wherever you are with Sony | Headphones Connect APP.<sup>3</sup> Experience audio optimized for different listening environments including outdoor stages, clubs, halls and arenas.

#### Easily control your sound preferences

Find your perfect sound tone for every song from the presets, easily customizable to your preference with Sony | Headphones Connect APP.<sup>3</sup>

#### Sound Position Control

Choose the direction you want the sound to come from, just as you can with a wireless speaker with Sony | Headphones Connect App.<sup>3</sup>

#### Restore all your compressed files by DSEE HX™

By restoring the high-range sound lost in compression, DSEE HX™ produces your digital music files in richer, clearer sound.

# SONY

## Wireless streaming at its best

LDAC transmits approximately three times more data (at the maximum transfer rate of 990 kbps) than conventional Bluetooth® wireless audio, which allows you to enjoy your music in exceptional sound quality – close to Hi-Res Audio.<sup>5</sup>

## Hands-free calling

Conversation flows freely with easy, hands-free calling. Leave your phone where it is, just speak with a double tap on your earcup.

## Carry case with cable

Swivel designed earcups fold neatly into the carry case along with the cable for easy storage.

## Airplane adapter plug

Be travel-ready. Plug the cable jack into the airplane adapter plug for easy in-flight listening.

## Wired Hi-Res Audio listening

Use the supplied cable for uninterrupted truly Hi-Res Audio and noise.<sup>5</sup>

## Specifications

<b>Bluetooth</b>	
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, AVRCP, HFP, HSP
NFC	Yes
Power Output	Bluetooth power class 2
Supported Audio Format(s)	SBC, AAC, aptX, aptX HD, LDAC
Supported Content Protection	SCMS-T
<b>General Features(Headphone)</b>	
CableLength	Headphone cable (approx. 1.5 m, OFC strands, gold-plated stereo mini plug)
Cable Type	Single-sided (detachable)
Driver Unit	40mm, dome type(CCAW Voice Coil)
Frequency Response	4Hz-40,000Hz
Headphone Type	Closed, dynamic
Impedance	46 ohm(1kHz)(when connecting via the headphone cable with the unit turned on), 14 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	275 g
<b>General Features(Active Headphones)</b>	
Batteries	DC3.7V : Built-in lithium-ion rechargeable battery
Battery Charge Method	USB
Battery Charge Time	Approx. 4 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. 30 hours (NC ON), Max. 38 hours (NC OFF)

# SONY

Battery Life(continuous music playback time)	Max. 30 hours (NC ON), Max. 38 hours (NC OFF)
Battery Life(Waiting Time)	Max. 40 hours (NC ON), Max. 200 hours(NC OFF)
Frequency Response	4Hz - 40,000Hz
Input(s)	Micro USB, Stereo Mini Jack
Passive Operation	Yes
Volume Control	Touch Sensor
<b>General Features(Microphone)</b>	
Direction of Microphone	All Direction
Effective Frequency of Microphone	50Hz-8,000Hz
Unit of Microphone	Electret Condenser Microphone
<b>Noise Canceling Features</b>	
AI NC	Yes
Noise Canceling ON/OFF Switch	Yes
<b>Accessories</b>	
Supplied Accessories	Carring Case Plug Adaptor for In-flight Use Connection Cable USB Cable Warranty Card Operating Instructions Reference Guide(New)

1. As of August 31st 2017. According to research by Sony Corporation, measured using JEITA-compliant guidelines. In digital noise-canceling headphones market.

2. Actual performance varies based on settings, environmental conditions, and usage.

3. 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.

4. Interoperability and compatibility among Bluetooth® devices may vary.

5. Only compatible with High-Resolution Audio when wired.

© 2017 Sony Electronics, Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, S-MASTER, LDAC and the Sony logo are trademarks of Sony Corporation. Bluetooth and the Bluetooth logo are trademarks of Bluetooth SIG, Inc. All other trademarks are trademarks of their respective owners. Features and specifications are subject to change without notice.

Updated: August 28, 2017