

WH-1000XM4/BME

Sony WH-1000XM4 Black Noise Cancelling Bluetooth Headphones

Product Overview

Sony WH-1000XM4 Black Noise Cancelling Bluetooth Headphones



Specifications

Features:

Be at one with your music

Discover how the WH-1000XM4 headphones blend our most advanced noise cancelling with exceptional sound quality and a range of smart features for an unrivalled listening experience.

The technology that makes it happen

Dual noise sensor technology, featuring two microphones on each earcup, captures ambient noise and passes the data to the HD Noise Cancelling Processor QN1. Using a new algorithm, the HD Noise Cancelling Processor QN1 then applies noise cancelling processing in real time to a range of acoustic environments. Working together with a new Bluetooth® Audio SoC (System on Chip), it senses and adjusts to music and noise signals, as well as acoustic characteristics between the driver unit and ears, at over 700 times per second.

Optimising noise cancelling

To maximise noise cancelling performance, the WH-1000XM4 headphones incorporate two technologies: Personal Noise Cancelling Optimiser, designed specifically for you, and Atmospheric Pressure Optimising, designed specifically for air travel.

Ambient Sound Control

Adjust ambient sound with the Sony | Headphones Connect app to cancel noise while still allowing through essential sounds, like transport announcements, when you're listening on the move.

Wireless freedom, premium sound

LDAC transmits approximately three times more data (at the maximum transfer rate of 990 kbps) than conventional BLUETOOTH audio, allowing you to enjoy High-Resolution Audio content in exceptional quality, as close as possible to that of a dedicated wired connection.

Sound you can believe in

A built-in analogue amplifier integrated in the HD Noise Cancelling Processor QN1 realises an unmatched signal-to-noise ratio for low distortion and exceptional sound quality for portable devices. Powerful 40mm drivers, with Liquid Crystal Polymer (LCP)

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diaphragms, make the headphones perfect for handling heavy beats and can reproduce a full range of frequencies up to 40kHz.

Real-time restoration of all your compressed files

Using Edge-AI (Artificial Intelligence), DSEE Extreme™ (Digital Sound Enhancement Engine) upscales compressed digital music files in real time. Dynamically recognising instrumentation, musical genres, and individual elements of each song, such as vocals or interludes, it restores the high-range sound lost in compression for a richer, more complete listening experience.

Smart listening technology to enhance your listening

The WH-1000XM4 headphones use an array of smart technologies to create a seamless, hands-free listening experience. For example, simply start speaking to automatically pause your music in Speak-to-Chat, or enjoy adaptive playback thanks to proximity sensor and two acceleration sensors that detect whether your headphones are being worn or not.

For everyday convenience, just Speak-to-Chat

As soon as you speak to someone, Speak-to-Chat automatically stops the music and lets in ambient sound so you can conduct a conversation - handy if you want to keep your headphones on, or your hands are full. Based on Precise Voice Pickup Technology, this smart feature uses five microphones built into your headphones and advanced audio signal processing to recognise and react to your voice. And once your chat is over, your music starts playing again automatically.

Adaptive Sound Control automatically adjusts to whatever you do

Adaptive Sound Control is a smart function that senses where you are and what you're doing, then adjusts ambient sound settings for the ideal listening experience.

Travelling

Lose yourself in your journey, with no background noise to interrupt your favourite tracks.

Walking

Be aware of everything around you, from street to office, while still enjoying music.

Waiting

Hear important announcements while you wait without noticing other background noise.

Learns your favourite locations

Over time, Adaptive Sound Control learns to recognise locations that you frequently visit, such as your workplace, the gym, or a favourite café, and tailors sound to suit the situation.

Headphones that react to you

Proximity sensor and two acceleration sensors in your headphones can detect whether you're wearing them or not, then adapt playback accordingly to help save battery power.

Pause the music

Take off your headphones and the music pauses automatically.

Resume playing

Put the headphones back on and the music automatically resumes.

Quick Attention

Need to quickly hear voices or sounds around you? Just place your hand over the housing to instantly turn your music volume down and let ambient sound in.

Wear all day in total comfort

WH-1000XM4 headphones blend sophisticated styling with exceptional comfort. Super-soft, pressure-relieving earpads in

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foamed urethane evenly distribute pressure and increase ear/pad contact for a stable fit. And with a lighter-weight design, you'll barely notice you're wearing them.

All day power and quick charging

With a huge 30 hours of battery life you'll have enough power even for long trips. And if you need to top up in a hurry, you can get 5 hours' worth of charge after just 10 minutes with the optional AC adapter.

Effortless operation

From controlling your music to accessing your voice assistant or making hands-free calls - with the WH-1000XM4, it couldn't be easier.

Be smarter with Voice Assistant

Manage your day, just by asking your assistant. Enjoy entertainment, connect with friends, get information, listen to music and notifications, set reminders, and more.

Clearer hands-free calling

Conversation flows freely with easy, hands-free calling. Leave your phone where it is, just speak with a double tap. Thanks to Precise Voice Pickup Technology, which combines five built-in microphones with advanced audio signal processing, WH-1000XM4 delivers clearer voice quality to the other person on the phone.

Control at your fingertips

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

Sony Headphones Connect app

With the Sony Headphones Connect app, Ambient Sound Control lets you adjust the volume of background sound and gives you the option to allow voices alone to be heard. Meanwhile the Equaliser lets you customise sound levels to suit your music.

Multipoint connection

For total convenience, WH-1000XM4 headphones can be paired with two Bluetooth devices at the same time. So when a call comes in, your headphones know which device is ringing and connect to the right one automatically. You'll also be able to quickly, smoothly switch your headphones to either of the two devices at the touch of a button.

Fast Pair

The WH-1000XM4 supports Google's helpful new Fast Pair feature. It lets you easily locate where you left your WH-1000XM4 headphones by tone sound, or checking their last known location in Google's Find My Device app on your smartphone.

So immersive. So real.

Immerse yourself in sound all around you. As real as if you are there at a live concert or with the artist recording in a studio. With 360 Reality Audio, music has never been so immersive and so real. These headphones let you enjoy 360 Reality Audio.

Specifications:

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Specifications

Product Code	WH-1000XM4/BME
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General Features

Headphone Type	Closed, dynamic
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Driver Unit	40mm, dome type (CCA W Voice coil)
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Magnet	Neodymium
Diaphragm	Aluminum coated LCP
Frequency Response	4Hz-40, 000Hz
Frequency Response (Active Operation)	4Hz-40, 000Hz
Frequency Response(Bluetooth Communication)	20Hz - 20, 000Hz (44.1kHz Sampling) / 20Hz - 40, 000Hz (LDAC 96kHz Sampling, 990kbps)
Sensitivities (dB/mW)	105dB / mW (1kHz) (when connecting via the headphone cable with the unit turned on), 101dB / mW (1kHz) (when connecting via the headphone cable with the unit turned off)
Cord Type	Single-sided (detachable)
Cord Length	Headphone cable (approx. 1.2m, OFC strands, gold-plated stereo mini plug)
Plug	Gold-plated L-shaped stereo mini plug
Wearing Style	Circumaural
NFC	Yes
DSEE Extreme	Yes
Passive Operation	Yes
Battery	
Battery Charge Time	Approx. 3 Hours (Full charge)
Battery Charge Method	USB
BATTERY LIFE(CONTINUOUS MUSIC PLAYBACK TIME WITH INTERNAL MEMORY)	Max. 30 hours(NC ON), Max. 38 hours(NC OFF)
Battery Life(Waiting Time)	Max. 30 hours(NC ON), Max. 200 hours(NC OFF)
Bluetooth Specification	
Bluetooth version	Version 5.0
Effective Range	Line of sight approx.30ft (10m)
Frequency Range	2.4GHz band (2.4000GHz-2.4835GHz)
Profile	A2DP, AVRCP, HFP, HSP
Supported Audio Format(s)	SBC, AAC, LDAC
Supported Content Protection	SCMS-T
Noise Cancelling	
Noise Canceling ON/OFF Switch	Yes
Personal NC Optimizer	Yes
Atmospheric Pressure Optimizing	Yes
Ambient Sound Mode	Yes
Quick Attention	Yes
Portable Headphone Amplifier	
Volume Control	Touch Sensor

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Processor/Transmitter

Input(s)	Stereo Mini Jack
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Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/WH-1000XM4-BME-Sony-WH-1000XM4-Black-Noise-Cancelling-Buy-p-250190.php>

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