

# SONY

## MDR-100ABN/B h.ear on Wireless NC

Breathtaking sound never looked so good with these wireless Bluetooth® headphones with digital noise cancelling that combine High-Resolution sound compatibility<sup>1</sup>, striking design and long-listening comfort. Easy, one-touch connectivity. No distracting background noise. No annoying cables. Just the pure, authentic sound. Get ready to lose yourself in the music.



### Features

#### Hear music at its best with Hi-Res Audio compatibility<sup>2</sup>

Experience digital music to the fullest with High-Resolution Audio.<sup>2</sup> By capturing music at a higher rate than CD, increasing both audio samples per second and the bit-rate accuracy of each sample, High-Resolution Audio offers an uncompromised rendition of an artist's music. Savor every breath and subtle movement for a truly emotional experience.

#### Enjoy your music wirelessly with Bluetooth® and NFC<sup>1</sup>

Enjoy your music in style and comfort without the hassle of wires

#### Focus on the music with Digital Noise Cancelling

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.

#### Listen smarter with Noise Cancelling that adapts to your surroundings

The Automatic AI Noise Cancelling function constantly analyzes environmental ambient sound components and automatically selects the most effective Noise Cancelling mode.

#### Let the beats flow with Beat Response Control

Beat Response Control technology delivers a tight, deep bass response, making it perfect for low-end focused music styles. An air vent maximizes airflow within the low frequency range, optimizing the efficiency of the diaphragm to enable more accurate reproduction of bass.

#### Enjoy high-quality, hands-free calls

A built-in microphone and HD voice support enables you to take crisp, clear hands-free calls from selected smartphones while listening to music. Switch easily between songs and calls with no need to remove your headphones.

#### Long-listen comfort

The hanger shape, the draped ear pads, the adjustable headband – every element has been crafted for comfort as well as style. Form and function in perfect harmony.

### Specifications

General Features (Headphone)	
Frequency Response	5Hz-40,000Hz (POWER ON) (Wired)
Impedance	32ohms(POWER ON) (Wired) 16ohms(POWER OFF) (Wired)
Magnet	Neodymium
Output Impedance	2k ohms
Plug	Gold-plated L-shaped Stereo Mini
Sensitivity	103dB/mW (POWER ON) (Wired) 98dB/mW (POWER OFF) (Wired)
Type	Closed Dynamic
Cord Length	Approx. 1.2 m
Drive Unit	40mm (Dome Type)
General Features (Mic)	
Direction of Microphone	Non-directional

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Effective Frequency of Microphone	100Hz - 8,000Hz
Open Circuit Voltage Level of Microphone	-35 dB (0dB=1V/Pa)
Output Impedance of Microphone	2k ohms
Unit of Microphone	Electret Condenser Microphone
<b>General Features (Active Headphones)</b>	
Batteries	DC3.6V : Built-in lithium-ion rechargeable battery
Battery Charge Method	USB
Battery Charge Time	Approx. 6 Hours (Full charge)
Battery Indicator (charge indication)	LED (Red)
Battery Indicator (working indication)	LED (Blue / Red / Green)
Battery Life(continuous communication time)	Max. 18 Hours (BT ON/NC ON)
Battery Life(continuous music playback time)	Max. 20 Hours (BT ON/NC ON)
Battery Life(Waiting Time)	Max. 200 Hours (BT ON/NC OFF)
Frequency Response	5Hz-40,000Hz (POWER ON) (Wired)
Impedance	32ohms (POWER ON) (Wired) 16ohms (POWER OFF) (Wired)
Input(s)	USB (Micro) Stereo Mini Jack
Passive Operation	Yes
Power Consumption	3W
Volume Control	Yes
<b>Bluetooth</b>	
Bluetooth® Technology	Version4.0
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)
Modulation Method	FHSS
NFC	Yes
Power Output	Bluetooth power class2
Supported Audio Format(s)	SBC AAC aptX LDAC
Supported Content Protection	SCMS-T
<b>Noise Canceling</b>	
AI NC	Yes
Noise Canceling ON/OFF Switch	Yes
<b>Weights and Measurements</b>	
Weight (Approx.)	Approx. 290g (excl.cable erights)
<b>Accessories</b>	
Supplied Accessories	Carrying Case Connection Cable USB Cable Warranty Card Operating Instructions Reference Guide



1. LDAC supports several transmission rates according to your wireless environment. It allows you to enjoy High-Resolution Audio content in exceptional sound quality near to High-Resolution Audio, 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.

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

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