SONY

MDR-MV1

Open back Studio Monitor Headphones for creating spatial and stereo sound with wide frequency range and soundstage feel



360 REALITY AUDIO

Hi-Res AUDIO

Overview

Open back Studio Monitor Headphones for creating spatial and stereo sound with wide frequency range and soundstage feel.
Neutral and high-resolution acoustic characteristics reproduce each sound elements exactly as it is. Excellent wearing comfort with light weight supports long time creators works.

Features

Studio monitor sound for mixing and mastering
Accurate reproduction of the spatial information of the sound source with carefully tuned open back acoustic structure to support mixing and mastering of both spatial and stereo sounds with High-Resolution Audio capability.

Uncoloured frequency response suitable for production, obtained through collaboration with leading industry professionals. (5Hz – 80kHz)

Comfort and design
Engineered with comfort in mind the MDR-MV1 features breathable earpads and are intentionally lightweight, soft and fitted to provide a pleasant wearing experience, even after hours of use. The open back structure of the headphones reduces internally reflected sounds and eliminates acoustic resonances while accurately reproducing natural, rich spatial information and sounds – virtualizing a speaker-based production environment.

Spatial sound recreation
Reproduce each sound's positions and movements in 360 degrees to enable spatial sound monitoring in the headphones, virtualizing a speaker-based production environment.

Stereo sound creation with High-Resolution Audio capability
By reproducing sound sources neutrally with High-Resolution Audio capability each sound element can be monitored accurately. It assists the mixing and mastering stages by facilitating the capture of the feel of the venue and space, as well as the changes in sound details.

Carefully tuned open-back acoustic structure
When playing back spatial sound sources with headphones, the sound field is virtually reproduced by performing signal processing at the source that considers HRTF for the spatial information of the sound source.
By adopting an open back acoustic structure that does not acoustically close the housing, the reflected sound inside the headphones is reduced, enabling more accurate sound field reproduction.
In addition, for optimal control of the airflow in front and back of the driver unit, acoustic resistors are used in as large an area as possible to eliminate spatial resonance.
This realizes natural and rich bass reproduction without colouring.

Specially developed HD driver units
Through multiple rounds of simulation and prototyping, engineers derived a low-distortion, high-compliance diaphragm shape and corrugation design.
Achieves reproducibility in the low range, super high range playback, and high sensitivity playback. (5Hz – 80kHz)
In addition, the structure with ducts on the back realizes sufficient volume for a quick and tight low-range reproduction while maintaining the separation between this midrange and low range.

Detachable cables for professional use
The cable plug uses a high quality 6.3 mm (1/4") stereo standard plug widely used in production environments. By using the bundled plug adaptor, it is also possible to connect to devices with 3.5 mm stereo mini jacks. The connection part to the main unit is detachable with a screw system, allowing for secure connection and cable replacement.

Specifications

General	
Type	Open back, Dynamic
Driver Unit	40 mm (1.58 in)
Power Handling Capacity	1 500 mW (IEC *1)
Impedance	24 Ω at 1 kHz
Sensitivity	100 dB/mW
Frequency Response	5 Hz - 80 000 Hz (IEC *1)
Mass	Approx. 223 g (7.87 oz) without cable
Included Items	Stereo Headphones, Headphone cable (approx. 2.5 m (98.43 in), stereo phone plug), Plug adaptor (approx. 20 cm (1.58 in), stereo phone jack↔ stereo mini plug)

Notes	
*1	IEC International Electrotechnical Commission

Related products



MDR-M1
New reference closed monitor headphones for creators with ultra-wideband playback.

Gallery

























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