



## MDR-HW700DS

### 9.1ch Wireless Surround Sound Headphones

Hear cinematic realism with immersive 9.1 channel wireless surround sound headphones. Integrated audio processing supports most HD formats with 192 kHz/24-bit including Dolby® TrueHD and DTS-HD Master Audio files.<sup>2</sup> Choose between convenient inputs: HDMI® for HD formats and 4K pass through, traditional RCA's for analog audio signals or optical input for legacy equipment.



### Features

#### Virtual Digital Surround Sound

Sony's exclusive Virtual Phones Technology (VPT) gives movies cinematic realism with an immersive 9.1 ch surround sound experience. Building upon traditional 5.1 ch, the VPT circuitry adds two additional rear channels and two front-high channels for added vertical depth of sound effects to deliver a more realistic surround sound experience.

#### HDMI®<sup>2</sup> for audio quality & set up

Get superior sound quality with 4K pass-through using the 3 HDMI® inputs<sup>2</sup> for connecting HD devices like a cable box, Blu-ray® player or gaming console. The audio processor supports most HD formats with 192 kHz/24-bit uncompressed audio files including Dolby® TrueHD and DTS-HD Master Audio.

#### Auto-tuning dual band transmission

Real-time automatic tuning selects between 2.4 GHz and 5 GHz channels without sound interruption to prevent signal degradation. This ensures you're getting high quality, uncompressed wireless audio transmission without any outside interference.

#### Large drivers deliver the impact

The large 50 mm driver units and around the ear design deliver rich, deep bass response and audio clarity for a superior home entertainment experience.

#### Selectable sound field modes

The MDR-HW700DS offers three user selectable sound fields modes. Cinema ensures an authentic theater like experience thanks to collaborations with Sony Pictures Entertainment. The multi-channel Game mode enhances the sense of direction for superior gaming experiences. Select 2-channel Voice mode for clearer voices during news or talking programs.

#### Long battery life

The built-in, rechargeable Lithium-Ion battery provides up to 12 hours of continuous playback on a full charge.<sup>1</sup> A quick 30 minute charge using the included micro-USB cable provides up to 2 hours of use while full charging capacity takes approximately 3 hours.<sup>1</sup>

#### Compact signal processor

The MDR-HW700DS includes a compact transmitter with source and signal indicators and offers a variety of inputs for your convenience. Choose between 3 HDMI® inputs, traditional RCA inputs for analog signals or optical input for legacy equipment.

#### Designed for comfort

The MDR-HW700DS wireless headphones not only sound incredible but they are also extremely comfortable and stylish thanks to their light-weight, adjustable padded headband design and memory foam ear-cups.

### Specifications

Audio	
Audio Format(s) Supported	Compatible with Dolby TrueHD, Dolby Digital Plus, Dolby Digital, Dolby Pro Logic IIz, DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS Express, DTS Digital Surround, DTS-ES, DTS 96/24, DTS, DTS Neo:X and Linear PCM.
Audio Modes	Cinema, Game, Voice and Off
Driver Unit	50 mm Dome type Closed/Dynamic
Effective Range	Approximately 98 feet (30 m) maximum <sup>1</sup>
Frequency Response	5 - 25,000 Hz



Transmitter	2.4GHz: 2,412 MHz/2,438 MHz/2,464 MHz 5.2GHz: 5,180 MHz/5,210 MHz/5,240 MHz 5.8GHz: 5,736 MHz/5,762 MHz/5,814 MHz
Volume Control	Yes (Rotary)
General	
Design	Headband: Around the ear (Circum-aural)
Headband	Padded, Adjustable w/Swivel Ear-cups
Magnet	Neodymium
Power On/Off	ON/OFF switch on ear-cup
Type of Use	Home: Wireless Surround Sound
Hardware	
Communication	Wireless Digital Dual-band: 2.4/5 GHz Radio Frequency
Headphone Type	Closed, Dynamic
Inputs and Outputs	
Audio In	HDMI (x3), Optical Digital Input (x1), Analog Stereo Input RCA (x1)
Power	
Battery Charging (Approx)	Approximately 3 hours
Battery Indicator	Power-on LED indicator
Battery Life (Approx)	Approximately 12 hours <sup>1</sup>
Battery Type	Built-in Lithium-Ion rechargeable battery
Input Power	DC Power Adaptor (12V)
Power Requirements	Rechargeable, built-in Lithium-Ion battery (supplied)
Audio	
Sound Enhancer	Off, Voice (stereo), Game, Cinema, Compression (Off/On)
Tuning	Auto Tuning on headphones
Weights and Measurements	
Cord Length (Approx.)	Micro-USB: 59" (1.5 m) Optical Input Cable: 59" (1.5 m)
Dimensions (Approx.)	Transmitter: 8.75 x 1.31 x 6.25 in. (220 x 32 x 157 mm)
Weight (Approx.)	Headphones: Approximately 11.3 oz. (320 grams) including supplied battery Processor: Approximately 15.2 oz. (430 grams)
Accessories	
Supplied Accessories	Digital Processor/Transmitter: DP-HW700 (1) Wireless Stereo Headphones: MDR-HW700 (1) 12V DAC adapter (1) Optical input cable: 1.5 m (1) Micro-USB cable: approx. 1.5 m (1) Quick Start Guide (1) Reference Guide (1) Warranty Card (1)

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

2. Requires HDMI cable (sold separately) High Resolution media with capable source device.

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