Operating Instructions

Checking the included items

Transmitter MDR-HW300K [1]

Headphones MDR-HW300D [1]

AC adaptor [1]

Micro-USB cable (approx. 50 cm (19 1/4 in))[3]

Connecting cable (approx. 1.5 m (59 1/8 in))[3]

Features

Thank you for purchasing the Sony MDR-HW300K Wireless Stereo Headphone System. Before operating the unit, please read this manual thoroughly and retain it for future reference.

Some features are:

- High quality sound with uncompressed digital wireless transmission
- Powerful and expressive sound
- Easy charging with USB port
- Comfortable fit for long period of time
- Real-time automatic channel selection prevents sound break up
- Wired design option

For the customers in the Canada

This device complies with Industry Canada licence-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For the customers in the U.S.A. and Canada

This transmitter complies with FCC and IC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure Guidelines. But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person’s body (excluding extremities: hands, wrists, feet and ankles).

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug of AC power adaptor is used to disconnect the AC power adaptor from the mains, connect it to an easily accessible AC outlet. Should you notice an abnormality in it, disconnect it from the AC outlet immediately.

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the AC power adaptor in a confined space, such as a bookcase or built-in cabinet.

Excessive sound pressure from earphones and headphones can cause hearing loss.

NOTICE FOR THE CUSTOMERS IN THE U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

How to use

1 Charge the headphones.

2 Connect the AC adaptor.

3 Connect the A/V component, following hookup A or B below.

A Using the headphone jack of the A/V component

B Using the audio out (L/R) jacks of the A/V component

4 Wear the headphones.

Before listening

Be sure to lower the volume of the headphones after the (On/Standby) indicator lights up, to reduce the risk of hearing damage.

Using the unit by connecting the supplied cable

You can use the unit as ordinary wired headphones by connecting the supplied connecting cable. You can also charge the headphones during wired use. Be sure to use the supplied connecting cable.

To reduce the risk of hearing damage, lower the volume of the A/V component before connection.

5 Start playback of the A/V component.

6 Adjust the volume.

After use

1 Stop playback of the A/V component.

2 Hold down the (On/Standby) button of the headphones until the (On/Standby) indicator turns off.

Tip

The headphones will turn off automatically if RF signal transmission from the transmitter stops for about 5 minutes.

If no signal or low signal is input for about 10 minutes

If the transmitter detects no signal, the POWER indicator of the transmitter blinks for about 10 minutes, then the transmitter stops the RF signal transmission automatically*. The transmitter restarts after receiving an audio signal again.

The transmitter may also stop if the volume of the connected A/V component is too low. In this case, raise the volume of the connected A/V component within the range where the sound is not distorted, then lower the volume of the headphones.

* If signal noise is output from the connected A/V component, the transmitter may not turn off, even when no audio signal is input.

Storing the headphones

Check right and left of the headphones before swiveling to store.
Tips for charging

To charge the headphones from an AC outlet:

1. Connect the transmitter to your Cable Box/Satellite Box or a microwave oven.
2. Turn on the headphones.
3. Make sure the earpad is set to the vertical position.
4. Charge the headphones. If the CHG indicator is still off after charging, take the headphones to a Sony dealer.

No sound/Low sound

- Turn on the headphones.
- Check the connections of the transmitter and A/V component, AC adaptor, and AC outlet.
- Check that the A/V component is turned on.
- If you connect the transmitter to the headphone jack of an A/V component, raise the volume level on the connected A/V component within the range where the sound is not distorted.
- Make sure you are wearing the headphones correctly.
- Charge the headphones. If the CHG indicator is still off after charging, take the headphones to a Sony dealer.
- Raise the headphone volume.

Distorted or intermittent sound (sometimes with noise)

- Change the position of the transmitter.
- Connect the transmitter to an A/V component using the headphone jack, not the audio out (L/R) jacks.
- If you connect the transmitter to an A/V component using the headphone jack, lower the volume level on the connected A/V component within the range where the sound is not distorted.
- Charge the headphones. If the CHG indicator is still off after charging, take the headphones to a Sony dealer.
- Check if there is any wireless apparatus using 2.4 GHz frequency or a microwave oven in the vicinity.

Low background noise

- Check if there is any wireless apparatus using 2.4 GHz frequency, or a microwave oven in the vicinity.
- Check the connection of the transmitter and A/V component. Charging may not be completed properly by an indirect connection, such as via a USB hub.
- Connect the headphones directly to a computer. Charging may not be completed properly by an indirect connection, such as via a USB hub.
- Charge the headphones. If the CHG indicator is still off after charging, take the headphones to a Sony dealer.
- Check if there is any wireless apparatus using 2.4 GHz frequency or a microwave oven in the vicinity.

On headphones

Act considerately

When the volume is too high, the sound leaks outside the headphones. Be careful not to raise the volume so high that it bothers people around you. There is a tendency to raise the volume when using in noisy places. However, for reasons of safety, it is advised to keep the volume at a level whereby you can still hear sounds around you.

On cleaning

Use a soft cloth slightly moistened with mild detergent solution. Do not use solvents such as thinner, benzene, or alcohol as these may damage the surface.

When the product breaks

- When the product breaks, or if a foreign object gets inside the unit, immediately turn off the power and consult your nearest Sony dealer.
- When taking the system to a Sony dealer, be sure to take both the headphones and transmitter.

Specifications

Wireless stereo transmitter (TMR-HW300)

Modulation System

GFSK

Carrier wave frequency

2.404 GHz - 2.408 GHz

Transmission distance

Approx. 30 m (100 ft) of longest frequency response

20 Hz - 23 kHz

Distortion rate

< 1% or less (1 kHz)

Audio inputs

Stereo mini plug

Power requirements

DC 5 V (from the supplied AC adaptor)

Dimensions

Approx. 75 mm × 18 mm × 75 mm

Mass

Approx. 70 g (2.5 oz)

Rated power consumption

0.6 W

Wireless stereo headphones (MDR-HW300)

Sensitivity

98 dB/mW

Playback frequency range

10 Hz - 22,050 Hz

Impedance

32 Ω ± 1 Hz

Power handling capacity

1,000 mW (IEC)

Primer source

Built-in lithium-ion rechargeable battery

Mass

Approx. 100 (±7 oz)

* IEC = International Electrotechnical Commission

Included items

Wireless stereo transmitter TMR-HW300

Wireless stereo headphones MDR-HW300

AC adaptor (5 V) (5)

Micro-USB cable (approx. 50 cm [19 1/2 in]) (5)

Connecting cable (approx. 1.5 m [59 1/4 in]) (5)

Operating Instructions (this manual) (5)

Card warranty (5)

Recommended accessory

To recharge the headphones from an AC outlet: USB Charging AC Power Adapter AC-UD11

On volume setting

- Be sure to always use the supplied AC adaptor. Even AC adaptors having the same voltage and plug polarity or other characteristics can cause product failure.
- Check if there is any wireless apparatus using 2.4 GHz frequency or a microwave oven in the vicinity.

On power sources and placement

- If you are not going to use the system for a long time, unplug the AC adaptor from the AC outlet. When removing the plug, grip the AC adaptor.
- Do not pull on the cord.
- Do not place the system in any of the following locations.
- Location exposed to direct sunlight, near a heater, or other extremely high-temperature location.
- Dusty location.
- On an unstable or inclined surface.
- Location exposed to large amounts of vibration.
- Bathroom or other high-humidity locations.

System requirements for battery charge using USB

Personal Computer with pre-installed any of the following operating systems and USB port:

- Windows 8 / Windows 8 Pro
- Windows 7
- Starter / Home Premium / Professional / Ultimate
- Windows Vista (Service Pack 2 or later)
- Home Basic / Home Premium / Business / Ultimate
- Windows XP (Service Pack 3 or later)
- Mac OS X (version 10.3 or later)

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