

Cordless Stereo Headphone System

Operating Instructions
Manual de instrucciones



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MDR-IF245RK

English Cordless Stereo Headphone System

Checking the included items

- Transmitter TMR-IF245R (1)
- Headphones MDR-IF245R (1)
- AC adaptor (1)
- Connecting cable (stereo mini plug ↔ pin plug × 2), 1 m (1)
- Rechargeable nickel-metal hydride battery (BP-HP550-11) (1)

Features

- Thank you for purchasing the Sony MDR-IF245RK Cordless Stereo Headphone System. Before operating the unit, please read this manual thoroughly and retain it for future reference. Some features are:
- Lightweight headphones for long time listening comfort.
 - Approx. 28 hours playback with supplied Ni-MH rechargeable battery. AAA alkaline batteries (not supplied) can also be used as alternative power.
 - Battery is automatically charged by placing the headphones on the transmitter.
 - 40 mm driver units for powerful, expressive sound.
 - Muting function reduces noise disturbance.
 - Self-adjusting headband mechanism eliminating the need for headband adjustment.
 - Up to 8 meters (26 feet) reception range.

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.
- 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 appliance in a confined space, such as a bookcase or built-in cabinet.
- 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.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- AC adaptor is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.
- The nameplate is located on the bottom exterior.
- You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

RECYCLING NICKEL METAL HYDRIDE BATTERIES

Nickel Metal Hydride batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbr.org/>

Caution: Do not handle damaged or leaking Nickel Metal Hydride batteries.

How to use

- ### 1 Insert the supplied rechargeable battery BP-HP550-11 into the left housing of the headphones.

Observe the correct polarity when installing battery.
- ### 2 Connect the AC adaptor.
- ### 3 Charge the headphones.

CHG (Red) (OFF)
Complete when indicator turns off.
- ### 4 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

If you want to receive audio on the headphones while at the same time hearing audio from the television speakers: connect the transmitter to your Cable Box/Satellite Box rather than your television.

- ### 5 Wear the headphones.

Before listening
To reduce the risk of hearing damage, first lower the volume.

Tactile dot

VOL
Lower volume
- ### 6 Start playback of the A/V component.

Tactile dot

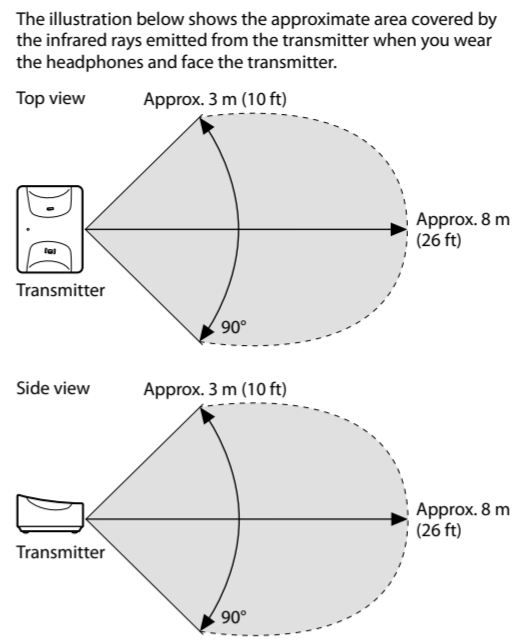
VOL
Up / Down

About the infrared sensors
The infrared sensors of the headphones are located as illustrated below.

After use
Take off the headphones, then turn off the power.

If no signal or low signal is input for about 10 minutes
When no signal is input for about 10 minutes, the transmitter turns off automatically*. The transmitter restarts after receiving an audio signal again. The transmitter may also turn off if low signal is input for about 10 minutes. 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.

Effective area of the transmitter



- If you use the headphones at too great a distance from the transmitter, you may hear a hissing noise, and if there is an object between the headphones and the transmitter, sound may be interrupted. These phenomena are inherent in infrared ray communication and not a malfunction.
- Do not cover the infrared sensors with your hands or hair.
- When you use the headphones inside the area in the illustration above, the transmitter can be placed in front, behind or by the side of you. However, depending on circumstances, the area covered by the infrared rays may be smaller than illustrated.
- The noise you may hear through the headphones may vary depending on the transmitter position and room conditions. It is recommended that you place the transmitter in a location that produces the clearest sound.
- Do not use this system in areas exposed to direct sunlight or other strong light. The sound may be interrupted.
- Plasma displays may interfere with normal operation of this system.
- The brightness of the infrared emitters may not be uniform; however, this is not a malfunction.

About muting function
If the infrared rays are obstructed, or the headphones are used outside their effective range, noise will increase and sound will become hard to hear. In such a case, this function mutes any sound from the headphones to avoid potential ear damage as a result of noise. Sound is automatically restored when you move nearer the transmitter or remove the obstruction.

Tips for charging

- Charge supplied battery first**
The supplied rechargeable nickel-metal hydride battery is not charged from the first time you use it. Be sure to charge them before use.
- About auto charge function**
Placing the headphones on the transmitter automatically turns them off, then charging starts. This eliminates the need for turning on/off every time you wear and take off the headphones.
- If CHG indicator is not lit**
Check if the right and left headphones are rested on the transmitter correctly. Take off the headphones and place them on the transmitter again so that the headphones' contact points meet the transmitter's contact pins.
- Charging and usage time**
Depending on the remaining battery status, it takes approx. 30 minutes to 7 hours to recharge.
- | Approx. charging time | Approx. usage time ¹⁾ |
|-----------------------|----------------------------------|
| 7 hours ²⁾ | 28 hours ³⁾ |

- 1)** at 1 kHz, 0.1 mW + 0.1 mW output
2) hours required to fully charge an empty battery
3) Time may vary, depending on the temperature or conditions of use.
- To recharge supplied battery after use**
Place the headphones on the transmitter after use. The CHG indicator lights up, then charging starts. When charging is complete, there is no need to remove the headphones from the transmitter.
- Remaining battery**
To check the remaining battery charge of the headphones, turn on the headphones, and check the POWER indicator. The battery is still serviceable when the indicator lights up red. Charge the headphones if the POWER indicator turns off, dims, flashes, or the sound becomes distorted or noisy.

- Notes**
- Insert the AC adaptor plug firmly.
 - Be sure to use the supplied AC adaptor. Using AC adaptors with different plug polarity or other characteristics can cause product failure.
 - The battery capacity may decrease if the headphones are turned on and placed on the transmitter with the AC adaptor disconnected.
 - The transmitter automatically turns off while charging the battery.
 - This system is designed to charge only the supplied rechargeable battery BP-HP550-11 for safety. Note that other types of rechargeable battery cannot be charged with this system.
 - If dry batteries are installed, they cannot be charged.
 - Do not attempt to use the supplied rechargeable battery BP-HP550-11 for other components. It is for use with this system only.
 - Charge in an environmental temperature of between 5 °C and 35 °C (between 41 °F and 95 °F).
 - When the battery life reduces to half, this may be the end of battery lifetime. The supplied rechargeable battery BP-HP550-11 is not commercially available. You can order the battery from the store where you purchased this system, or at your nearest Sony dealer.

Using the headphones with separately-sold dry batteries

Commercially available (size AAA) dry batteries can also be used to power the headphones. Install two batteries in the same manner as described in step 1 of "How to use." When dry batteries are installed, the battery charge function is not activated.

Battery life

Battery	Approx. usage time ¹⁾
Sony alkaline battery LR03	50 hours ²⁾

- 1)** at 1 kHz, 0.1 mW + 0.1 mW output
2) Time may vary, depending on the temperature or conditions of use.
- Note**
Do not carry a dry battery together with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally come into contact with metallic objects.

Tips for connection

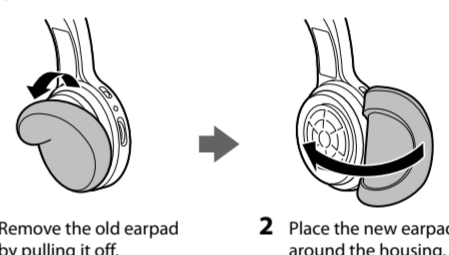
- Do not connect to the AUDIO IN 1 and AUDIO IN 2 jacks at the same time. If you connect two A/V components to both jacks at the same time, both of the audio signals may result in mixed output.
- When you connect the connecting cable directly to an earphone jack (monaural mini jack), the audio signal may not be output through the right channel.

Tips for volume setting

- If you connect the transmitter to the headphone jack of the A/V component, set the volume of the A/V component as high as possible but not so high that the audio signal becomes distorted.
- When watching videos, be careful not to raise the volume too high in quiet scenes. You may hurt your ears when a loud scene is played.

Replacing the earpads

The earpads are replaceable. If the earpads become dirty or worn out, replace them as illustrated below. The earpads are not commercially available. You can order replacements from the store where you purchased this system, or at your nearest Sony dealer.



Troubleshooting

- If you run into any problems using this system, use the following checklist. Should any problem persist, consult your nearest Sony dealer.
- No sound/low sound**
- Turn on the headphones.
 - Check the connection of the A/V component or the AC adaptor.
 - Check that the A/V component is turned on.
 - If you connect the transmitter to an A/V component using the headphone jack, raise the volume level on the connected A/V component within the range where the sound is not distorted.
 - Check that the infrared sensors of the headphones are not covered with your hands or hair.
 - Check that there is no object between the transmitter and the headphones.
 - Use the headphones near the transmitter, or change the position of the transmitter.
 - Charge the supplied rechargeable battery, or replace dry batteries with new ones. If the POWER indicator is still off after charging, take the headphones to a Sony dealer.
 - Raise the headphone volume.

- Distorted or intermittent sound (sometimes with noise)**
- Use the headphones near the transmitter, or change the position of the transmitter.
 - 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 supplied rechargeable battery, or replace dry batteries with new ones. If the POWER indicator is still off after charging, take the headphones to a Sony dealer.

- Loud background noise**
- Use the headphones near the transmitter, or change the position of the transmitter. (As you move away from the transmitter, more noise is likely to be heard. This is inherent in infrared ray communication and not a malfunction.)
 - Check that there is no object between the transmitter and the headphones.
 - Check that the infrared sensors on the headphones are not covered with your hands or hair.
 - If you use the headphones by a window where the sunlight is too strong, draw the curtains/blinds to shut out the direct sunlight, or use the headphones away from the sunlight.
 - If you connect the transmitter to an A/V component using the headphone jack, raise the volume level on the connected A/V component within the range where the sound is not distorted.
 - Charge the supplied rechargeable battery, or replace dry batteries with new ones. If the POWER indicator is still off after charging, take the headphones to a Sony dealer.
 - If you have another transmitter, check if more than one transmitters are used at the same time. Turn off other transmitter or move to a place outside the range of this transmitter.

The sound cuts off
The transmitter turns off if no signal or low signal is input for 10 minutes. If you connect the transmitter to an A/V component using the headphone jack, raise the volume level on the connected A/V component within the range where the sound is not distorted.

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