

Wireless Stereo Headphone System

Operating Instructions

MDR-RF940RK

Sony Corporation © 1996 Printed in Japan

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

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

Welcome!

Thank you for purchasing the Sony MDR-RF940RK Wireless Stereo Headphone System. Before operating the unit, please read this manual thoroughly and retain it for future reference.

Some features are:

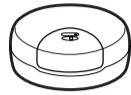
- Wireless system that allows you to listen to a program free from the restriction of a cord within 130 feet from the transmitter.
- High fidelity sound reproduction
- Compact transmitter which operates on AC power supplied through the supplied AC power adaptor and also functions as a battery charger
- Comfortable Circum-aural headphones
- Automatic ON/OFF function on headphones to preserve battery power
- Mute function to avoid noise when no audio signal is available.

Getting started

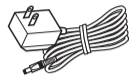
Unpacking

Check that you have the following items:

- The transmitter



- AC power adaptor



- Connecting cord (phono plugs ↔ stereo mini jack)



- The headphones



- Ni-Cd rechargeable batteries NC-AA (HJ) <ill.>

Charging the headphones' batteries

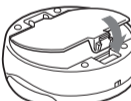
- 1 Open the battery compartment lid on the bottom of the transmitter.



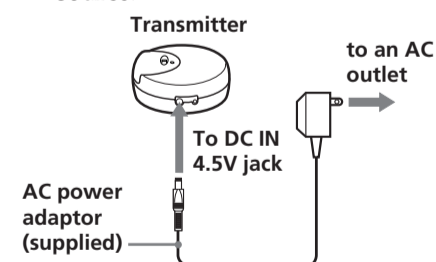
- 2 Insert two NC-AA (HJ) batteries by matching the + and - on the batteries to the + and - in the battery compartment.



- 3 Close the battery compartment.



- 4 Connect the transmitter to a power source.



- 5 Set the OFF/CHG/POWER ON switch to OFF/CHG. The OFF/CHG indicator lights up in green and charging starts. When the charging complete, @@@@



Notes

- Use only the supplied rechargeable batteries NC-AA (HJ).
- You cannot recharge other R6 (size AA) rechargeable batteries (NC-AA etc.) with this unit.
- Use only the supplied AC power adaptor. Do not use any other AC power adaptor.

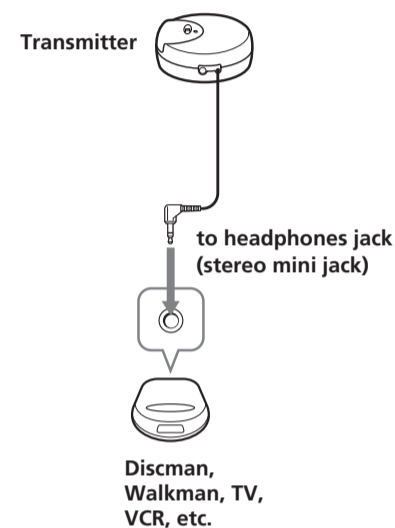


Polarity of the plug

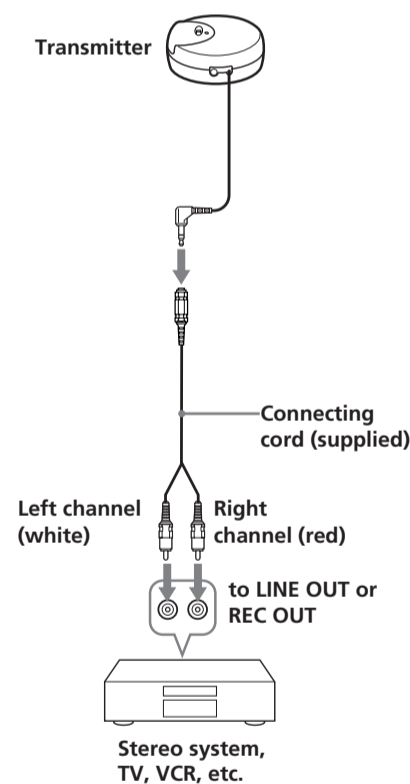
Setting up the transmitter

- 1 Connect the transmitter to audio/video equipment.

Ⓐ To connect to a headphones jack

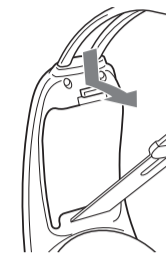


Ⓑ To connect to LINE OUT or REC OUT jacks

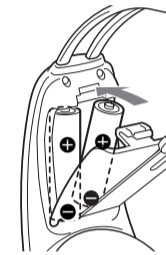


Setting up the headphones

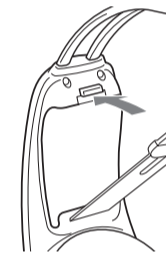
- 1 Open the battery compartment lid on the left inner side of the head band.



- 2 Insert two charged NC-AA (HJ) batteries by matching the + and - on the batteries to the + and - in the battery compartment.



- 3 Close the battery compartment lid.



To recharge the headphones' batteries after use

To charge the batteries, follow steps in "Charging the headphones' batteries." Since little electric current is used for charging, there is no need to worry about overcharging.

Charging and using hours

Approx. charging hours	Approx. using hours
00	00
00*	00

* The hours required to fully charge empty batteries

Using the headphones with a commercially available R 6 (size AA) dry batteries

Install the battery in the manner as described in "Setting up the headphones."

Battery life

Battery	Approx. hours
Sony alkaline battery LR6 (SG)	40
Sony battery R6P (SR)	20

Notes on batteries

- To avoid damage to the system caused by battery leakage and corrosion;
- Install the batteries with the correct polarity.
 - Do not try to recharge the batteries.
 - Remove the batteries if the system is not to be used for a long period of time.

In case of battery leakage, wipe off any deposit in the battery compartments before installing new batteries.

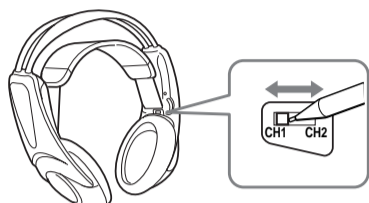
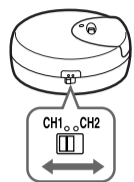
When to replace the batteries

When the POWER indicator dims, and a hissing noise increases charge the NC-AA (HJ) batteries or replace both batteries with new ones.

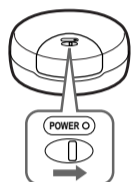
► Operating the system

Listening to a program

- 1 Select the radio frequency with the CHANNEL selector switch. Select the same channel on the headphones and the transmitter.



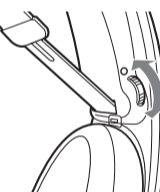
- 2 Turn on the audio/video equipment then the transmitter.



- 3 Put on the headphones and the power turns on automatically.



- 4 Adjust the volume.

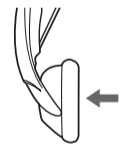


Note

If the transmitter is connected to the headphones jack of the source equipment, set the volume of that equipment as high as possible without distorting the audio signal.

Auto power on/off function

When you remove the headphones, the power turns off automatically. Do not apply pressure to the left ear pad when not using the headphones, otherwise the headphones will be switched on.



Mute function

If a hissing noise is heard when the headphones are used outside of the effective range (see the next section), the mute function will be activated and the sound will not be heard from the headphones. To restore the sound, move near toward the transmitter.

When no audio signal is received for more than approximately five minutes

The transmitter will be burned off automatically.

After listening to a program

Take the headphones off before turning off the transmitter. If you turn off the transmitter first, you may hear some noise.

The effective areas of the transmitter

The optimum distance is up to approximately 130 feet (40m) without the system picking up some interference. However, the distance may vary according to the surroundings and environment. If the system picks up some noise while using it within the above mentioned distance, reduce the distance between the transmitter unit and the headphones, or select the other channel.

Notes

- When you use the headphones inside the effective areas of the transmitter, the transmitter can be placed in any direction from the listener.
- Even within the signal reception area, there are some spots (dead point) where the RF signal can not be received. This characteristics is inherent to RF signals, and does not indicate malfunction. By slightly moving the transmitter, location of the dead point can be changed.

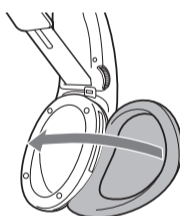
Replacing the ear pads

When the ear pads become dirty or damaged, you can get replacements from your Sony dealer. Replace them as illustrated below.

- 1 Remove the old ear pad by pulling it out of the groove on the housing.



- 2 Place the new ear pad on the housing and insert the edge of the pad into the groove as illustrated.



Make sure that the entire edge of the ear pad is securely inserted into the groove.

► Additional information

Precautions

- When the headphones are not to be used for a long period of time, remove the dry batteries (if any) to avoid damage caused by battery leakage and subsequent corrosion.
- When the transmitter is not to be used for a long period of time, disconnect the AC power adaptor from the AC outlet holding the plug. Do not pull on the cord. Also remove the batteries to avoid damage caused by battery leakage and subsequent corrosion.
- Do not leave the wireless stereo headphone system in a location subject to direct sunlight, heat or moisture.

Notes on headphones

Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

If you have any questions or problems concerning the system that are not covered in this manual, please consult the nearest Sony dealer.

Be sure to bring the headphones and the transmitter to the Sony dealer when requiring repair work.

Troubleshooting

Problem	Solution
No sound/ Muffled sound	Turn on the transmitter first, then put on the headphones. Check the connection of the audio/video equipment or the AC power adaptor. Check that the audio/video equipment is turned on. Turn up the volume on the connected audio/video equipment, if the transmitter is connected to the headphones jack. The mute function is activated. Use the headphones near the transmitter. Charge the NC-AA (HJ) batteries or replace both batteries of the headphones.
Distortion	If the transmitter is connected to the headphones jack, turn down the volume of the connected audio/video equipment. Charge the NC-AA (HJ) batteries or replace both batteries of the headphones.
Loud background noise	Move closer to the transmitter. As you move away from the transmitter, more noise is likely to be heard. If the transmitter is connected to the headphones jack, turn up the volume of the connected audio/video equipment. Charge the NC-AA (HJ) batteries or replace both batteries of the headphones.

Specifications

General

Carrier frequency

000 – 000 MHz

Channel Ch1, Ch2

Modulation FM stereo

Frequency response

20 – 20,000 Hz

Transmitter

RF Power Less than 94 dBµV/m at 3 m

Power source DC 4.5 V: supplied AC power adaptor

Audio input stereo mini plug

Dimensions Approx. 90 mm dia x 35 mm
(3⁵/₈ x 1⁷/₁₆ in.) (w/h)

Mass Approx. 200 g (7.1 oz.)
incl.batteries

Headphones

Power source DC 3 V: 2 x R6 (size AA) battery

Mass Approx. 270 g (9.5 oz.) incl.
batteries

Optional accessories

Plug adaptor PC-236HG

(stereo mini jack ↔ monaural mini plug)

Design and specifications are subject to change without notice.