

Wireless Stereo Headphone System

Operating Instructions
Manual de instrucciones

MDR-RF975RK

Sony Corporation © 2001 Printed in Korea

English

Owner's Record

The model number is located at the bottom of the transmitter and on the inside of the left housing hanger of the headphones. The serial number is located at the bottom of the transmitter and on the backside of the left housing hanger of the headphones. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. MDR-RF975RK
Transmitter TMR-RF975R
Headphones MDR-RF975R
Serial No. _____
Transmitter _____
Headphones _____

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.

Information

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

If you have any questions about this product, you may call:

Sony Direct Response Center 1-(800)-222-7669

or write to:

Sony Direct Response Center 12451 Gateway Blvd.Fort Myers, FL 33913

Declaration of Conformity

Trade Name: SONY
Model No.: MDR-RF975R
(Headphones Unit)
Responsible Party: Sony Eletronics Inc.
Address: 680 Kinderkamack Road,
Oradell, NJ 07649 USA
Telephone No.: 201-930-6972

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notes on receiving performance

The system for this equipment utilizes very high frequency signals in the 900 MHz band so the receiving performance may deteriorate due to the surroundings. The following examples illustrate conditions that may reduce the possible receiving range or cause interference with reception.

- Inside a building with walls containing steel beams.
- Area with many steel file cabinets, etc.
- Area with many electrical appliances capable of generating electromagnetic noise.
- Transmitter is placed on a metal instrument.
- Area facing roadways.
- Noise or interfering signals exist in the surroundings due to radio transceivers in trucks, etc.
- Noise or interfering signals exist in the surroundings due to wireless communication systems installed along roadways.

▶ Getting started

Unpacking

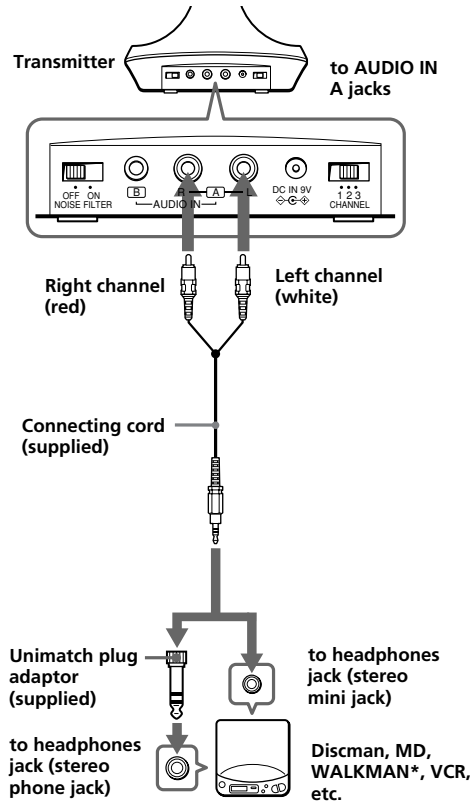
Check that you have the following items:

- The headphones
- The transmitter
- AC power adaptor
- Unimatch plug adaptor (stereo mini jack → stereo phone plug)
- Connecting cord (phono plugs ↔ stereo mini plug), 1 m

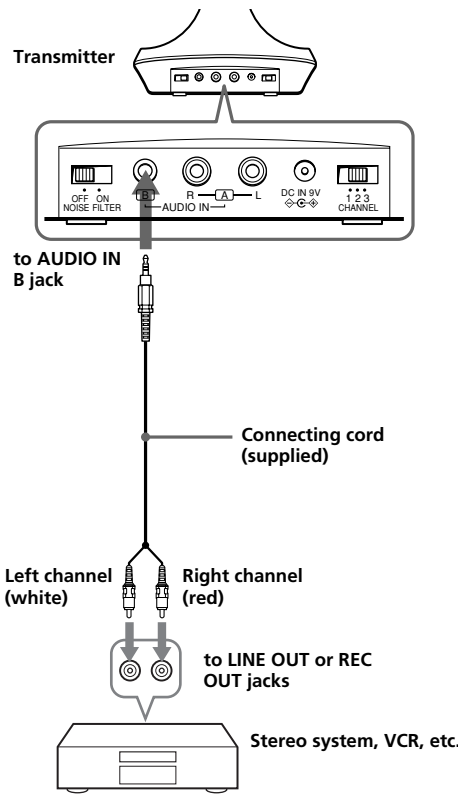
Setting up the transmitter

1 Connect the transmitter to audio/video equipment. Select one of the hooksups below depending on the jack type:

Ⓐ To connect to a headphones jack

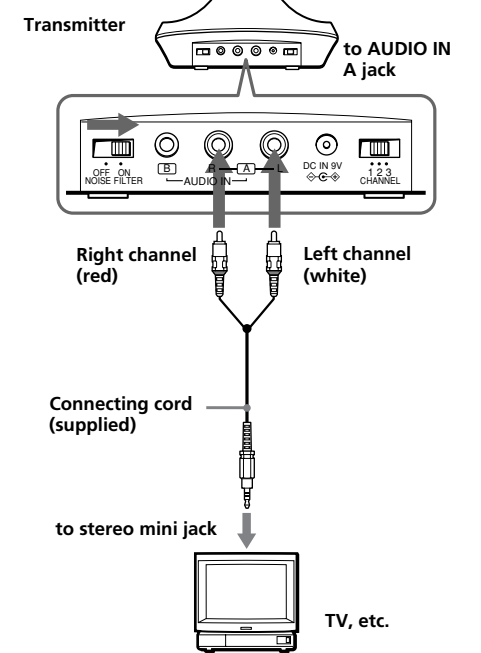


Ⓑ To connect to LINE OUT or REC OUT jacks



Ⓒ To connect to TV, etc.

If noise occurs when the transmitter is connected to the headphone jack of your TV or VCR, set the NOISE FILTER switch to ON.



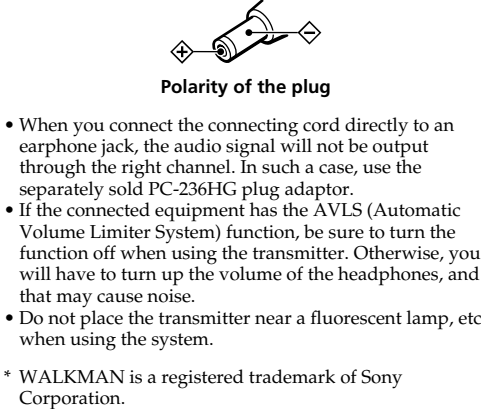
Notes

- If you connect the transmitter to LINE OUT or REC OUT jack, do not set the NOISE FILTER switch to ON. Otherwise, the volume will be limited.
- The NOISE FILTER switch effects the sound only in cases such as connection diagram Ⓒ. In diagrams Ⓐ and Ⓑ, the switch has no effect.
- When the transmitter is placed on or near a TV, it may pick up a noise. In such case, place the transmitter away from the TV.

2 Connect the transmitter to an AC outlet using the supplied AC power adaptor.

Notes

- Use only the supplied AC power adaptor. Do not use any other AC power adaptor.

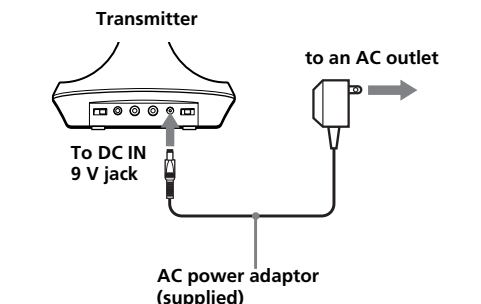


Charging the headphone battery

Using the headphones for the first time

When you use the headphones for the first time, charge the battery in the following manner.

1 Connect the transmitter to a power source.



2 Place the headphones on the transmitter.



Place the headphones on the transmitter such that the charging pins on the transmitter engage the charging contacts on the bottom of the housing. The charge indicator on the transmitter will light in green to indicate that the battery is being charged. Once 24 hours have elapsed since the start of battery charging, the charger automatically shuts off, and the green indicator goes out.

To recharge the headphone battery after use

Since the charger shuts itself off in response to its internal timer after 24 hours, there is no need to worry about overcharging.

Charging and using hours

Approx. charging hours	Approx. using time*
1	60 minutes
24**	25 hours

* at 1 kHz, 1 mW + 1 mW output

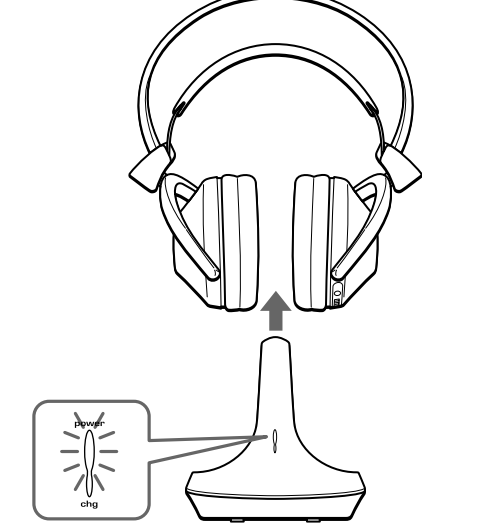
** The hours required to fully charge empty battery

▶ Operating the system

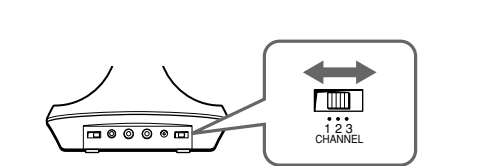
Listening to a program

1 First turn on the audio/video equipment and start playing.

2 Remove the headphones from the transmitter. The transmitter's power indicator will light in red.



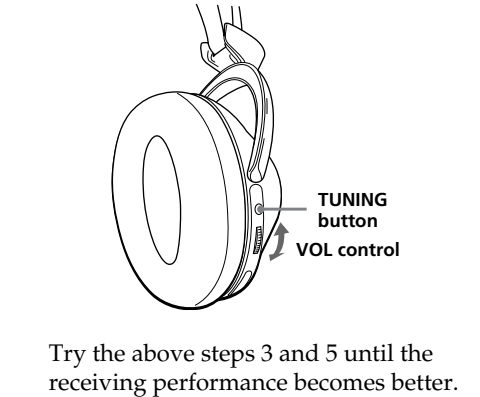
3 Select the radio frequency with the CHANNEL selector.



4 When you put on the headphones the headphone power turns on automatically.



5 Turn up the volume to a moderate level with the VOL control. Press the TUNING button briefly for automatic tuning of the headphones. If you do not receive a clear audio signal, press it again.



Sending RF signals from the Transmitter

The transmitter starts sending the RF signals automatically, when it detects audio signals from the equipment connected.

If it does not detect an audio signal for more than approximately four minutes, the transmitter will stop sending RF signals, and the power indicator turns off.

When the transmitter receives an audio signal again, it starts sending the RF signals, and the power indicator will light in red again. If the audio signal is very weak, the transmitter does not send RF signals. If the transmitter is connected to a headphone jack, make sure the volume of the equipment connected is set to 5 – 6 or higher.

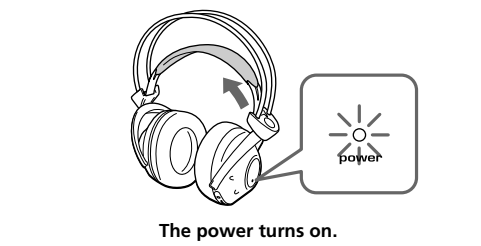
You may not hear the beginning of the sound from the headphones until the transmitter starts sending the RF signals after detecting an audio signal.

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 from your head, the power turns off automatically. Do not allow the self adjusting band to be pulled up, otherwise the headphones will be switched on.



Note

If a hissing noise is heard move closer to the transmitter.

After listening to a program

Take the headphones off and rest them away on the transmitter, and recharge them.

Note

Do not hang the headphones by the self adjusting band, otherwise, the self adjusting band will be pulled up and the headphones will be switched on.

The effective areas of the transmitter

The optimum distance is up to approximately 150 feet (46 m) 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.

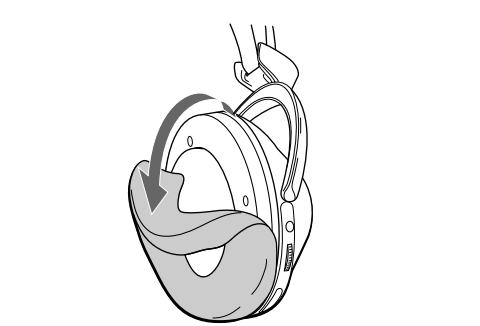
Notes

- 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 spot) where the RF signal can not be received. This is a characteristic inherent to RF signals, and does not indicate malfunction. By slightly moving the transmitter, location of the dead spot can be changed.

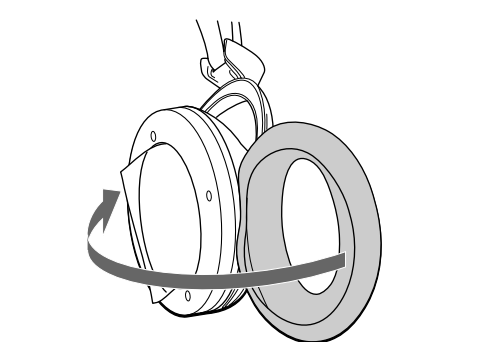
Replacing the ear pads

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 driver unit 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 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.
- Do not leave the wireless stereo headphone system in a location subject to direct sunlight, heat or moisture.

Notes on headphones

Preventing hearing damage

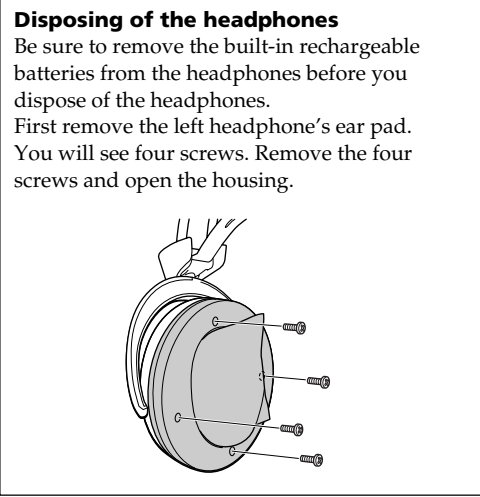
Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.

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

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.
- ➔ Change the radio frequency with the CHANNEL selector on the transmitter, then press the TUNING button again.
- ➔ The mute function is activated. Use the headphones near the transmitter.
- ➔ The headphones' POWER indicator light is weak or turned off.
 - Charge the built-in rechargeable battery or if the POWER indicator is still off after charging the built-in rechargeable battery, take the headphones to a Sony dealer for replacement of the rechargeable battery.
- ➔ If you connect the transmitter to LINE OUT or REC OUT jack of an audio reproducer, make sure that the NOISE FILTER switch is set to OFF.
- ➔ Make sure that the NOISE FILTER switch is set to either ON or OFF (If the switch gets stuck between ON and OFF, the sound will be cut off).

Distortion

- ➔ If the transmitter is connected to the headphones jack, turn down the volume of the connected audio/video equipment.
- ➔ Change the radio frequency with the CHANNEL selector on the transmitter.
- ➔ The headphones' POWER indicator light is weak or turned off.
 - Charge the built-in rechargeable battery or if the POWER indicator is still off after charging the built-in rechargeable battery, take the headphone to Sony dealer for replacement of the rechargeable battery.
- ➔ If you connect the transmitter to LINE OUT or REC OUT jack of an audio reproducer, make sure that the NOISE FILTER switch is set to OFF.

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.
- ➔ Change the radio frequency with the CHANNEL selector on the transmitter, then press the TUNING button again.
- ➔ The headphones' POWER indicator light is weak or turned off.
 - Charge the built-in rechargeable battery or if the POWER indicator is still off after charging the built-in rechargeable battery, take the headphone to Sony dealer for replacement of the rechargeable battery.
- ➔ If you connect the transmitter to LINE OUT or REC OUT jack of an audio reproducer, make sure that the NOISE FILTER switch is set to OFF.

Specifications

General

Carrier frequency 913.5 – 914.5 MHz
Channel Ch1, Ch2, Ch3
Modulation FM stereo
Frequency response 18 – 22,000 Hz

Transmitter TMR-RF975R

Power source DC 9 V: supplied AC power adaptor
Audio input phono jacks/stereo mini jack
Dimensions Approx. 130 × 135 × 150 mm
(5 1/4 × 5 3/8 × 6 in.) (w/h/d)
Mass Approx. 200 g (7 oz.)

Headphones MDR-RF975R

Power source DC 2.4 V: Built-in rechargeable battery
Mass Approx. 350 g (12.3 oz.) incl. built-in rechargeable battery

Built-in Ni-MH Rechargeable battery

Model name NH-AAC
Voltage 1.2 V
Capacity 1,000 mAh

Optional accessory

Plug adaptor PC-236HG (stereo mini jack ↔ monaural mini plug)

Design and specifications are subject to change without notice.

