

# Wireless Stereo Headphone System

## Operating Instructions

### Checking the included items



### How to use

**1 Insert the supplied rechargeable battery into the left housing of the headphones.**  
Observe the correct polarity when installing battery.

Press and turn the lid counterclockwise. Match the ⊕ terminals on the battery to the ⊕ marks in the compartment. Press and turn the lid clockwise.

**2 Connect the AC adaptor.**  
Insert the plug firmly.

**3 Charge the headphones.**

POWER (Red) Complete when indicator turns off. POWER (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**  
Set the volume of the A/V component as high as possible, but not so high that the audio signal becomes distorted.

**B Using the audio out (L/R) jacks of the A/V component**  
Use a plug adaptor (not supplied) between the transmitter and the A/V component.

If the sound is distorted by connecting the transmitter to the A/V component's audio out (L/R) jacks, reconnect the transmitter to the headphone jack.

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.

**6 Turn on the A/V component.**

**7 Adjust the volume.**

**If you cannot receive a clear audio signal**  
First change the radio frequency with the CHANNEL selector switch on the transmitter, then change the radio frequency to that of the transmitter with the channel switch on the headphones.

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

**About sending RF signals**  
The transmitter starts sending RF signals automatically when it detects an audio signal from the connected component.

**Notes**  
– If hiss is heard, move closer to the transmitter.  
– You may hear some noise when you disconnect the AC adaptor from the transmitter before turn off the headphones.

**If no signal or low signal is input for about 4 minutes**  
If the transmitter does not detect an audio signal for about 4 minutes, it will stop sending RF signals automatically\*, and the POWER indicator will blink for 1 minute, then turn off. The transmitter restarts after receiving an audio signal again. The transmitter may also turn off if low signal is input for about 4 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. Set the ATT (attenuator) switch to 0dB. Then, raise the volume of the connected A/V component within the range where the sound is not distorted, and lower the volume of the headphones.

**Tips for volume setting**  
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.

**To set the input level**  
If the volume is high using the analogue input, set the ATT (attenuator) switch to “-6 dB.”

Setting	Connected components
0 dB	TV, portable components and other components with a low output level (initial settings)
-6 dB	Other components

**Notes**  
– Be sure to lower the volume before setting the ATT switch.  
– If audio input is distorted (sometimes, noise can be heard at the same time), set the ATT switch to “-6 dB.”

### Tips for charging

**Charge the headphones first**  
The supplied rechargeable nickel-metal hydride battery is not charged from the first time you use them. Charge them before use.

**If the transmitter's POWER indicator does not light up red**  
Check if the switch on the left housing of the headphones is set to OFF. If the switch is set to ON, the POWER indicator does not light up. You cannot charge any rechargeable battery or dry battery other than the supplied battery.

**Charging and usage time**

Approx. charging time	Approx. usage time <sup>1)</sup>
1 hour	90 minutes <sup>2)</sup>
7 hours <sup>2)</sup>	13 hours <sup>3)</sup>

1) at 1 kHz, 1 mW + 1 mW output  
2) Time may vary, depending on the temperature or conditions of use.  
3) Time may vary, depending on the temperature or conditions of use.

### Tips for better reception

**Receiving performance**  
This system 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 reception range or cause interference.

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

**Effective area of the transmitter**  
The optimum distance is up to approximately 45 m (150 ft) without the system picking up some interference. However, the distance may vary depending on the surroundings and environment.

**Notes**  
– Do not connect the CHARGE plug to anything other than these headphones.  
– The transmitter automatically stops sending RF signals while charging the battery.  
– This system is designed to charge only the supplied rechargeable battery type 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 BP-HP550-11 rechargeable battery for other components. They are for use with this system only.  
– Charge in an environmental temperature of between 0 °C and 40 °C (between 32 °F and 104 °F).

### 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.

**1** Remove the old earpad by pulling it out of the groove on the housing.

**2** Place the new earpad on the driver unit. Hang the edge of the earpad on one side of the driver unit's groove edge, then turn the edge of earpad around the driver unit as illustrated below. When the earpad is securely inserted into the groove, adjust the earpad to the vertical position.

### 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 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.  
– Change the radio frequency with the CHANNEL selector on the transmitter, then change the radio frequency to that of the transmitter with the channel switch on the headphones.  
– Be sure to lower the volume before setting the ATT switch.  
– If audio input is distorted (sometimes, noise can be heard at the same time), set the ATT switch to “-6 dB.”

**The sound cuts off**  
– The transmitter turns off if no signal or low signal is input for 4 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.

**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.  
– Change the radio frequency with the CHANNEL selector on the transmitter, then change the radio frequency to that of the transmitter with the channel switch on the headphones.  
– 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**  
– 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.  
– 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.  
– Use the headphones near the transmitter.

**Battery cannot be charged/ POWER indicator does not light up red**  
– Install the supplied rechargeable nickel-metal hydride battery. Dry batteries and rechargeable batteries other than the supplied cannot be charged.  
– Check if the switch on the left housing of the headphones is set to OFF. If the switch is set to ON, the POWER indicator does not light up.

**Short usage time (the supplied rechargeable battery)**  
– Clean the + and - terminal of the supplied rechargeable battery and the charging terminal of transmitter/headphone with a dry cloth.  
– Recharge the supplied rechargeable battery after the fully discharged.  
– If the usage time is still short, consult your nearest Sony dealer.

### Precautions

**Notes on the AC adaptor**  
– 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.

– Be sure to always use the supplied AC adaptor. Even AC adaptors having the same voltage and plug polarity can damage this product due to the current capacity or other factors.

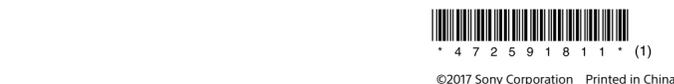
**On power sources and placement**  
– When this system is not to be used for a long period of time, disconnect the AC adaptor from the AC outlet holding the plug, and remove the battery from the headphones to avoid damage caused by battery leakage and subsequent corrosion.  
– Do not leave this system in a location subject to direct sunlight, heat or moisture.  
– Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock.  
– Please note that water does not splash, this product is not waterproof specification.

### Specifications

General	
Carrier frequency	915.5 MHz, 916.5 MHz
Channel	Ch1, Ch2
Modulation	FM stereo
Transmission distance	Approx. 45m (150 ft) of longest.
Operating temperature	0°C to 40°C (32 °F to 104 °F)
Frequency response	20 Hz – 20,000 Hz
RF stereo transmitter (TMR-RF912R)	
Power source	DC 12 V: supplied AC adaptor
Audio input	Stereo mini plug
Dimensions	Approx. 108 mm × 128 mm × 108 mm (4 3/8 × 5 1/8 × 4 3/8 in) (w/h/d)
Mass	Approx. 137 g (4.83 oz)
Rated power consumption	3 W
Wireless stereo headphones (MDR-RF912R)	
Power source	Supplied rechargeable nickel-metal hydride battery BP-HP550-11 or commercially available (size AAA) dry-cell batteries
Mass	Approx. 270 g (9.52 oz) (including the supplied rechargeable nickel-metal hydride battery)
Rated power consumption	2 W

**Included items**  
RF stereo transmitter TMR-RF912R  
Wireless stereo headphones MDR-RF912R  
AC adaptor (12 V) (1)  
Rechargeable nickel-metal hydride battery BP-HP550-11 (1)  
Card warranty (1)  
Operating instructions (this manual) (1)

Design and specifications are subject to change without notice.



**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.

The 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.

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.

The nameplate of transmitter is located on the bottom exterior.

**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 Customer Information Services Center  
1-800-222-7669 or http://www.sony.com/

**Declaration of Conformity**  
Trade Name: SONY  
Model No.: MDR-RF912R (Headphones Unit)  
Responsible Party: Sony Electronics Inc.  
Address: 16535 Via Esprillo, San Diego, CA 92127 USA  
Telephone No.: 858-942-2230  
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.

**Note**  
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.

**For the customers in Canada**  
This device complies with Industry Canada's licence-exempt RSSs. 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 USA and Canada**

**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.call2recycle.org

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

