

## Sony MDR-IF245RK

# Sony MDR-IF245RK Wireless Infrared Headphones User Manual

## INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your Sony MDR-IF245RK Wireless Infrared Headphones. These headphones offer a comfortable, cordless audio experience with a reception range of up to 8 meters, ideal for home entertainment. Featuring 40mm driver units, they deliver clear sound with a frequency response of 10 Hz to 20,000 Hz.

## PACKAGE CONTENTS

Before proceeding with setup, please verify that all the following items are included in your package:

- Sony MDR-IF245RK Wireless Infrared Headphones
- Infrared Transmitter/Charging Dock
- AC Power Adapter
- Rechargeable NiMH Battery (may be pre-installed in headphones)
- Audio Connection Cable (e.g., RCA to 3.5mm stereo mini plug)

## SETUP

### 1. Connecting the Transmitter

1. Connect the supplied AC power adapter to the DC IN 9V jack on the rear of the infrared transmitter. Plug the other end into a standard wall outlet.
2. Connect the audio output of your audio source (e.g., TV, stereo system, computer) to the AUDIO IN jacks on the rear of the transmitter using the supplied audio connection cable. Ensure correct left (white) and right (red) channel connections for RCA, or a single 3.5mm stereo mini plug connection.



**Figure 1:** Rear panel of the infrared transmitter with audio input and power connections.

## 2. Charging the Headphones

1. If the NiMH rechargeable battery is not already installed, open the battery compartment on the headphones and insert the battery, observing the correct polarity.
2. Place the headphones onto the charging dock of the transmitter. Ensure the charging contacts on the headphones align with those on the dock. The charging indicator light on the transmitter should illuminate, indicating that charging has begun.
3. Allow approximately 3-4 hours for a full charge. A fully charged battery provides up to 28 hours of playback. Alternatively, AAA alkaline batteries (not supplied) can be used for power.



**Figure 2:** Sony headphones placed on the charging dock for recharging.

## OPERATING

### 1. Powering On/Off

- To power on the headphones, slide the power switch located on the headphone earcup to the 'ON' position. The power indicator light on the headphones will illuminate.
- To power off, slide the power switch to the 'OFF' position.
- The transmitter typically powers on automatically when connected to an active audio source and power.

### 2. Adjusting Volume

Use the volume control dial or buttons located on the headphones to adjust the listening volume to your preference. Ensure the audio source volume is set to a reasonable level before adjusting headphone volume.

### 3. Muting Function

The headphones feature an automatic muting function. If the infrared signal is lost (e.g., moving out of range or line of sight), the audio will mute to reduce noise disturbance. Sound will resume automatically when the signal is re-established.

### 4. Reception Range

The effective reception range for these infrared headphones is up to 8 meters (approximately 26 feet) from the transmitter. For optimal performance, maintain a clear line of sight between the headphones and the transmitter. Obstacles such as walls, furniture, or even people can block the infrared signal.

## MAINTENANCE

### Cleaning

Wipe the headphones and transmitter with a soft, dry cloth. Do not use abrasive cleaners, solvents, or strong detergents, as these can damage the surfaces. Avoid getting moisture into any openings.

### Battery Care

- To prolong battery life, fully charge the NiMH battery before first use and after extended periods of non-use.
- If using AAA alkaline batteries, replace them when audio quality degrades or the headphones fail to power on.
- Do not expose batteries to excessive heat or direct sunlight.

## TROUBLESHOOTING

Problem	Solution
No sound from headphones	Ensure the headphones are powered on and charged. Verify the transmitter is connected to power and an audio source. Check that the audio source is playing and its volume is adequate. Confirm the headphones are within the 8-meter reception range and have a clear line of sight to the transmitter.
Poor sound quality or static	Ensure a clear line of sight between the transmitter and headphones. Reduce the distance between the headphones and the transmitter. Check for strong light sources (e.g., direct sunlight, halogen lamps) that may interfere with the infrared signal. Adjust the volume on both the audio source and the headphones.
Headphones not charging	Ensure the headphones are correctly seated on the charging dock. Verify the AC adapter is securely connected to the transmitter and a working power outlet. Check that the NiMH battery is properly installed in the headphones.

## SPECIFICATIONS

- **Model:** MDR-IF245RK
- **Frequency Response:** 10 Hz - 20,000 Hz
- **Driver Unit:** 40mm
- **Connectivity Technology:** Infrared
- **Wireless Communication Technology:** Infrared
- **Reception Range:** Up to 8 meters (approx. 26 feet)
- **Battery Life:** Approximately 28 hours (with supplied NiMH rechargeable battery)
- **Power Source:** NiMH rechargeable battery (supplied), AAA alkaline batteries (not supplied)
- **Headphone Weight:** 200 Grams (7.1 ounces)
- **Control Type:** Volume Control
- **Special Features:** Lightweight, Wireless, Muting function, Self-adjusting headband

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## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Sony support website. Keep your proof of purchase for warranty claims.