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Joanbro IR-1

Joanbro IR Wireless Headphone Model IR-1 User Manual

For Car DVD Entertainment Systems

Introduction

Thank you for choosing the Joanbro IR Wireless Headphone Model IR-1. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new infrared wireless headphones. Designed for use with vehicle entertainment systems, these headphones offer a comfortable and private audio experience for passengers.

Product Overview

The Joanbro IR Wireless Headphone Model IR-1 is a versatile audio device capable of both wireless infrared (IR) and wired 3.5mm AUX connectivity. It features a lightweight design, adjustable headband, and soft padded earpieces for extended comfort. Key components include:

- Power ON/OFF switch
- Volume control knob
- Audio In Jack / Share Port
- A/B Channel Switch for IR reception
- Working Indicator light
- Battery compartment (requires 2 AAA batteries for wireless use)



Figure 1: Headphone Components. This image illustrates the various parts of the Joanbro IR Wireless Headphone, including the elasticated headband, working indicator, power switch, volume control knob, audio in jack/share port, A/B channel switch, and the battery compartment for two AAA batteries (not included).

Compatibility

These IR wireless headphones are designed to be compatible with most vehicle entertainment systems that utilize infrared (IR) technology. They support two IR channels (A and B). Please ensure your vehicle's DVD/video system uses an analog IR system, as digital IR systems are not supported. For optimal wireless reception, users should be in the rear seat with a clear line-of-sight to the vehicle's DVD player or IR transmitter.

The headphones also include a 3.5mm AUX port and cable for wired connection to any device with a standard 3.5mm audio jack, offering broad compatibility beyond vehicle systems.



Figure 2: Vehicle Compatibility Chart. This chart provides a list of compatible vehicle makes and models, including Honda, Chrysler, Dodge, Toyota, Chevy, GMC, Jeep, Infiniti, Hyundai, Lexus, Buick, Pontiac, Cadillac, Audi, Volkswagen, Ford, and Saturn. It specifies model years and notes for certain systems (e.g., Chrysler Blu-ray vs. DVD, Pacifica screen types). Compatibility may vary by specific vehicle model and installed entertainment system.

Setup

1. Battery Installation (for Wireless Use)

1. Locate the battery compartment on one of the earpieces (refer to Figure 1).
2. Open the battery compartment cover.
3. Insert two (2) AAA alkaline batteries, ensuring correct polarity (+/-). Batteries are not included.
4. Close the battery compartment cover securely.

2. Wireless Connection to Vehicle Entertainment System

1. Ensure your vehicle's DVD/video system is turned on and transmitting an IR signal.
2. Turn on the Joanbro IR Wireless Headphone using the ON/OFF switch. The working indicator light should illuminate.
3. Select the appropriate IR channel (A or B) using the A/B Channel Switch on the headphone. Match the channel to your vehicle's system.
4. Adjust the volume using the volume control knob.
5. Ensure a clear line-of-sight between the headphone's IR receiver and the vehicle's IR transmitter for optimal signal reception.

3. Wired Connection (AUX Mode)

1. Connect one end of the included 3.5mm AUX cable to the Audio In Jack/Share Port on the headphone.
2. Connect the other end of the 3.5mm AUX cable to the audio output jack of your desired device (e.g., smartphone, tablet, laptop, portable DVD player).

3. When using the wired connection, batteries are not required, and the headphone's power switch does not need to be on.
4. Adjust the volume using the connected device's volume controls or the headphone's volume knob if it functions in wired mode.



Figure 3: Wired Mode Connection. This image demonstrates how to connect the headphone using the 3.5mm audio cable for wired use with various devices such as computers, laptops, tablets, and smartphones.

Operating Instructions

Wireless Operation

1. **Power On/Off:** Slide the ON/OFF switch to the "ON" position to power on the headphones. Slide to "OFF" to power off.
2. **Channel Selection:** Use the A/B Channel Switch to select the correct IR channel (A or B) that matches your vehicle's entertainment system.
3. **Volume Adjustment:** Rotate the volume control knob to increase or decrease the audio level.

4. **Automatic Shut-off:** The headphones will automatically power off after approximately 10 minutes of not receiving a wireless signal to conserve battery life.

Wired Operation (Share Mode)

The Audio In Jack/Share Port can also be used to share audio from one headphone to another wired headphone. Simply connect a second wired headphone with a 3.5mm plug to the share port of the Joanbro headphone.



Figure 4: Sharing Mode. This diagram shows how a wired headset with a 3.5mm plug can be connected to the share port of the Joanbro wireless headphone to share audio.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the headphones. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace AAA batteries when audio quality degrades or the headphones fail to power on in wireless mode. Always use new alkaline batteries.
- **Storage:** Store the headphones in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.

- **Earpiece Care:** The earpieces are designed for comfort and can be replaced if damaged. Refer to Figure 5 for instructions on how to replace the ear cushions.



Figure 5: Earpiece Replacement Guide. This image provides a visual, step-by-step guide on how to remove and attach new ear cushions. It shows finding the U-shaped groove, pulling the inner lip of the cushion, hooking it into the groove, and rotating to secure it.

Troubleshooting

Problem	Possible Cause	Solution
No sound in wireless mode.	◦ Headphones not powered on. ◦ Batteries are dead or incorrectly installed. ◦ Incorrect IR channel selected. ◦ No clear line-of-sight to IR transmitter. ◦ Vehicle entertainment system not transmitting IR signal.	◦ Ensure power switch is ON. ◦ Replace batteries with new AAA alkaline batteries; check polarity. ◦ Switch between Channel A and Channel B. ◦ Adjust seating position or headphone angle for clear line-of-sight. ◦ Verify vehicle's DVD/video system is on and IR function is active.

Problem	Possible Cause	Solution
Static or poor audio quality in wireless mode.	◦ Weak IR signal. ◦ Interference from other IR devices. ◦ Low battery power.	◦ Improve line-of-sight to IR transmitter. ◦ Ensure no other IR devices are active nearby. ◦ Replace batteries.
No sound in wired (AUX) mode.	◦ AUX cable not fully inserted. ◦ Connected device's volume is too low or muted. ◦ Faulty AUX cable.	◦ Ensure AUX cable is securely plugged into both headphone and device. ◦ Increase volume on the connected device. ◦ Try a different 3.5mm AUX cable.
Headphones do not fit comfortably.	◦ Headband not adjusted.	◦ Adjust the headband to fit comfortably on the head. The headphones are designed to fit both children and adults.

Specifications

- **Model Name:** IR-1
- **Brand:** Joanbro
- **Connectivity Technology:** Wireless (Infrared), Wired (3.5mm AUX)
- **Wireless Communication Technology:** Infrared
- **Headphones Jack:** 3.5 mm Jack
- **Control Type:** Media Control (Volume)
- **Cable Feature:** Detachable
- **Power Source (Wireless):** 2 x AAA Alkaline Batteries (not included)
- **Automatic Shut-off:** Approximately 10 minutes without IR signal
- **Frequency Range:** 20 Hz - 20,000 Hz
- **Item Weight:** 0.22 Kilograms (7.8 ounces)
- **Earpiece Shape:** Rounded Tip
- **Special Feature:** Lightweight, Adjustable
- **Compatible Devices:** Car Models with IR entertainment systems, any device with 3.5mm audio output (wired)
- **Package Dimensions:** 7.64 x 6.46 x 2.64 inches

Warranty Information

Joanbro products are typically covered by a limited warranty against defects in materials and workmanship. Please refer to the product packaging or the official Joanbro website for specific warranty terms and conditions, including duration and coverage details. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Joanbro customer support. Contact information can usually be found on the product packaging, the official Joanbro website, or through your retailer's support channels.
When contacting support, please have your product model number (IR-1) and proof of purchase readily available.

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