

ARC Bluetooth Audio Transmitter

User Manual

Product Introduction

This product connects TV audio to Bluetooth headphones or Bluetooth speaker systems via the ARC interface. It features a display screen for visual operation, making it easy to connect devices. It is ideal for home theaters, appliance stores, and other similar settings.

Product Features

- Supports ARC functionality
- Bluetooth transmitter function
- Supports simultaneous connection of two Bluetooth headphones or speakers
- Real-time display of working status
- Supports 24bit/48KHz audio sampling rate transmission
- Supports CEC: volume control via TV remote
- External antenna for extended transmission range

Specifications

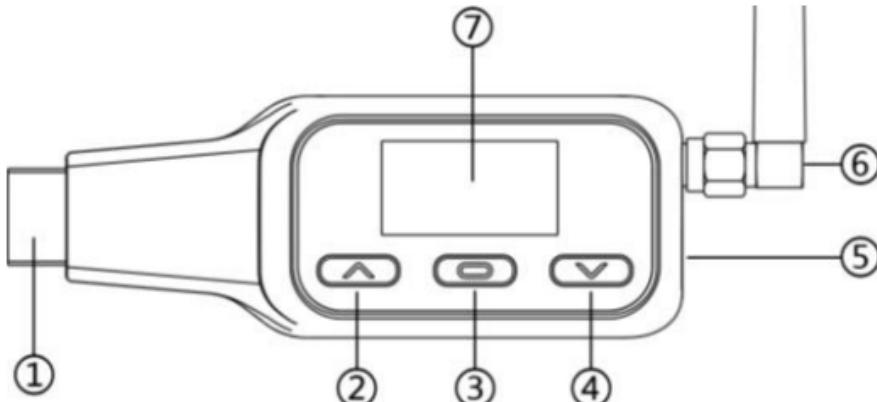
- Input Interface: ARC
- Bluetooth Version: 5.2
- Input Audio Format: PCM
- Bluetooth Audio Codecs: AAC, aptX, aptX-AD, aptX-HD, aptX-LL
- Power Interface: Type-C
- Power Supply & Consumption: DC 5V / 70mA
- Housing Material: Plastic
- Color: Black
- Operating Temperature: -40~+85°C

- Storage Temperature: -60~+95°C
- Operating Humidity: 30~75% RH (non-condensing)
- Storage Humidity: 40~85% RH (non-condensing)
- Product Dimensions: 11.6 × 3.5 × 1.3 cm
- Weight: 32g

Package Contents

- ARC Bluetooth Transmitter × 1
- User Manual × 1
- USB Power Cable × 1
- HDMI Extension Cable × 1

Physical Interface Diagram



- ① ARC Plug: Connect to the TV's ARC port (Do not

connect to speaker systems)

② Bluetooth 1 Device Search Button:

- Long press (2+ seconds): Enter Bluetooth 1 pairing mode
- Short press: Select Bluetooth device from list and press Button ③ to confirm

Note: After connecting, this button is inactive. To pair a new device, hold the button “②&④” for 3+ seconds to clear existing connections.

③ Confirm Button: Short press to connect selected Bluetooth device

④ Bluetooth 2 Device Search Button:

- Long press (2+ seconds): Enter Bluetooth 2 pairing mode
- Short press: Select Bluetooth device from list and press Button ③ to confirm

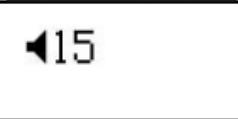
Note: Same behavior as Button ②

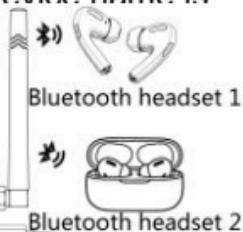
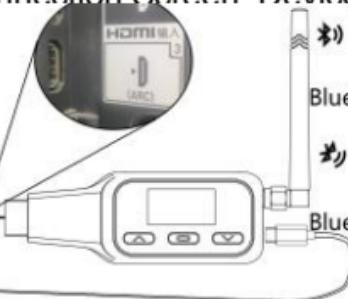
⑤ Power Interface: Connect to power adapter or USB port

⑥ Bluetooth Antenna

⑦ Display Screen

Display Screen Overview

 eARC ◀15 Waiting...	Standby Screen: Long press Button ② for Bluetooth 1 pairing; Button ④ for Bluetooth 2 pairing
 eARC ◀15 Searching...	Searching Screen: Waiting for Bluetooth devices to appear
 1. HT-S100F 2. X6 3. BT_AMP	Device List Screen: Use Buttons ② and ④ to select, and Button ③ to confirm
 ARC ◀15 ① X6 ② HT-S100F	Connected Devices Screen: Indicates two Bluetooth devices are connected
 SBC ◀15 ① X6 ② HT-S100F	Audio Transmission Screen: Top-left shows codec (SBC, aptX, etc.) currently in use
 ◀15	Volume Icon: Min volume 00; Max volume 15; controlled via TV remote



1. Connect the transmitter to a power adapter using the USB power cable.
2. On the standby screen, long press Button ② to enter Bluetooth 1 pairing mode.
3. Select the desired Bluetooth device and press Button ③ to connect the first headphone.
4. Long press Button ④ to enter Bluetooth 2 pairing mode.
5. Select the desired Bluetooth device and press Button ③ to connect the second headphone.
6. Connect the product to a TV that supports ARC.

Common Issues and Solutions

NO	Troubleshooting	Cause and Solution
1	Display not working	<p>Check if USB cable is properly connected to power adapter</p>
2	Bluetooth connection failure	<ul style="list-style-type: none">- Ensure antenna is tightened- Check if Bluetooth headphones are powered on- Ensure Bluetooth headphones are in pairing mode- Confirm headphones are within connection range
3	No audio	<ul style="list-style-type: none">- Verify TV supports ARC- Confirm transmitter is connected to the TV's ARC port- Ensure TV audio output is set to ARC- Make sure CEC is enabled- Check that audio format is set to PCM/LPCM- Check volume level

4	Unable to control volume via TV remote	<ul style="list-style-type: none">- Aim the remote at the TV, not at the transmitter or other devices- Check the remote's battery
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Note:

Before using this product, please ensure that the TV's audio output is set to ARC and the audio format is set to PCM/LPCM. Incorrect settings may result in no sound output. Refer to the TV user manual or contact the TV manufacturer for setup instructions.

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.