

2.4G Wireless Audio Transmitter

User Manual

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. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Dear User,

Thank you for choosing our product. We are committed to providing professional, high-quality, and cost-effective high-tech products, enabling you to enjoy a seamless digital life with ease.

To ensure optimal performance and your safety, please read this manual carefully before connecting, operating, or adjusting the product. Keep this manual for future reference.

Important Note

Please use the receiver and transmitter within an unobstructed distance of 50 meters. Exceeding this range may cause audio interruptions.

Product Introduction

This product is a wireless audio transmitter that uses 2.4G technology for high-definition, zero-delay audio transmission. The transmitter can switch between ARC, optical, and 3.5mm audio input interfaces to transmit stereo audio signals to the receiver within a 50-meter range. The receiver supports ARC, optical, and 3.5mm audio outputs, as well as Bluetooth connectivity. This product solves issues such as audio cable interference, clutter, and complex setup, making it ideal for home theaters, education, public broadcasting, outdoor performances, concerts, and more.

Product Features

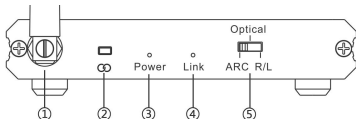
- Uses 2.4G technology for high-definition, zero-delay audio transmission.
- External antenna for better transmission performance
- Automatic connection upon power-up
- Transmitter supports ARC, optical, and 3.5mm audio inputs
- Receiver supports Bluetooth connectivity
- Receiver supports ARC, optical, and 3.5mm audio outputs
- Receiver can drive headphones
- 3.5mm output supports CEC volume control
- Powered via a universal Type-C interface

Product Specifications

- Maximum transmission distance.....50meters
- RX power consumption.....5V/130mA
- TX power consumption.....5V/160mA
- RF frequency.....2400Mhz
- Transmission power.....14DB
- Signal-to-noise ratio.....76DB
- Frequency response range.....20HZ ~ 20KHZ
- Maximum output level.....6Vp-p
- Operating temperature.....-40~+85°C
- Storage temperature.....-60~+120°C
- Operating humidity.....-10~90%RH(non-condensing)
- Storage humidity.....-5~95%RH(non-condensing)
- Housing material.....Aluminum alloy

- Color.....Black
- Transmitter weight.....86g
- Receiver weight.....95g

Transmitter Interface Description



① 2.4G antenna

② Pairing button: Pre-paired at the factory. Manual pairing is rarely needed (pairing method described separately).

③ Power indicator: Lights up when powered on

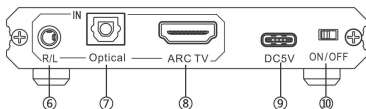
④ 2.4G connection status indicator :

Flashes every 1 second: Not connected to the receiver.

Flashes every 2 seconds: Connected to the receiver, but no signal from ARC or optical input. Check the source device settings.

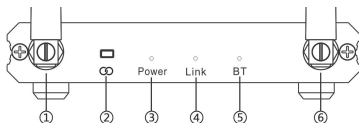
Solid light: Connected to the receiver with a valid signal from ARC or optical input.

⑤ Input selector switch: Set to the corresponding input interface position.



- ⑥ Analog stereo input (connect to the analog audio output of TVs, Blu-ray players, or set-top boxes).
- ⑦ Optical input (connect to the optical output of TVs, Blu-ray players, or set-top boxes).
- ⑧ ARC input (connect to the ARC-compatible HD port of a TV).
- ⑨ Power input (connect to a power adapter or USB port).
- ⑩ Power switch: Turn to "ON" for use

Receiver Interface Description



- ① 2.4G antenna
- ② Pairing button: Pre-paired at the factory. Manual pairing is rarely needed (pairing method described separately).
- ③ Power indicator: Lights up when powered on.
- ④ 2.4G connection status indicator:
Flashes every 1 second: Not connected to the transmitter.

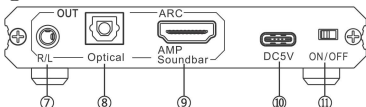
Solid light: Connected to the transmitter.

⑤ Bluetooth status indicator:

Off: Bluetooth not connected.

On: Bluetooth connected.

⑥ Bluetooth antenna



⑦ Analog stereo output (connect to audio systems or headphones).

⑧ Optical output (connect to audio systems with optical input).

⑨ ARC output (connect to audio systems with ARC-compatible HDinput).

⑩ Power input (connect to a power adapter or USB port).

⑪ Power switch: Turn to "ON" for use

Pairing Method

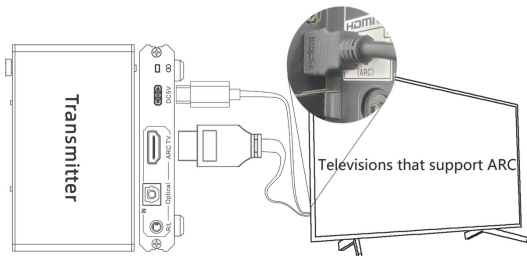
Note: The product is pre-paired at the factory. It will automatically connect when powered on within the effective range (50 meters unobstructed).

Manual pairing steps:

1. Power on the transmitter → Press and hold the  button for 2 seconds → The Link indicator flashes rapidly, entering pairing mode.
2. Power on the receiver → Press and hold the  button for 2 seconds → The Link indicator flashes, entering pairing mode.
3. Wait until the Link indicators on both devices turn solid, indicating successful pairing.

Pairing tip: Keep the transmitter and receiver within 1 meter during pairing.

Transmitter ARC Input Setup Diagram



1. Connect the transmitter's ARC TV port to the TV's ARC-compatible HD port using an HD cable.

Note: Ensure the TV's HD port is labeled "ARC" and set the TV audio output to ARC. Incorrect connection or settings will result in no audio!

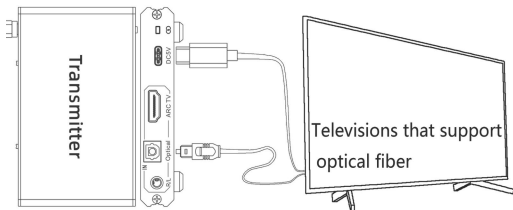
2. Set the TV audio output to PCM.

3. Set the input selector switch to "ARC."

4. Connect the transmitter's DC 5V port to a USB port or power adapter.

Note: Disconnect Bluetooth when using ARC input.

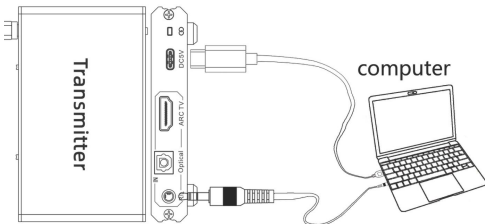
Transmitter Optical Input Setup Diagram



1. Connect the transmitter's Optical port to the TV's optical output using an optical cable.
2. Set the TV audio output to optical.
3. Set the TV audio output to PCM.
4. Set the input selector switch to "Optical."
5. Connect the transmitter's DC 5V port to a USB port or power adapter.

Note: Disconnect Bluetooth when using optical input.

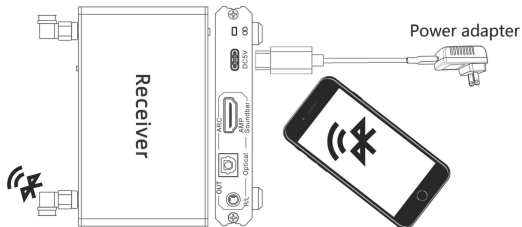
Transmitter 3.5mm Input Setup Diagram



1. Connect the transmitter's 3.5mm port to a stereo output device (e.g., computer, TV, or phone) using a 3.5mm cable.
2. Set the input selector switch to "R/L."
3. Connect the transmitter's DC 5V port to a USB port or power adapter.

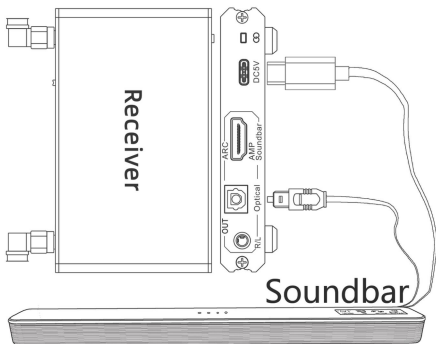
Note: Disconnect Bluetooth when using 3.5mm input.

Bluetooth Setup Diagram



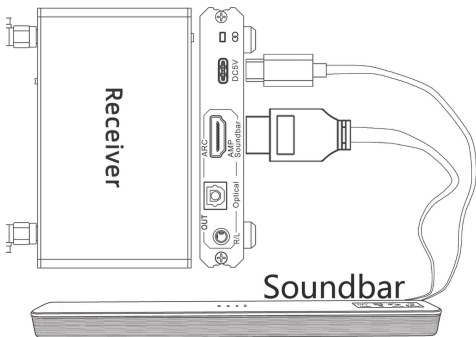
1. Connect the receiver's DC 5V port to a USB port or power adapter.
2. Pair with the Bluetooth device named "AYW09" on your phone.
3. Connect the receiver to an audio system using HD, optical, or 3.5mm cables.

Receiver Optical Output Setup Diagram



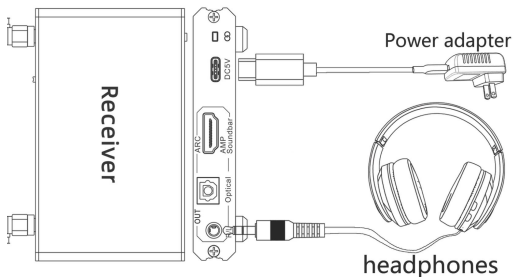
1. Connect the receiver's Optical port to a soundbar or amplifier with an optical input.
2. Connect the receiver's DC 5V port to a USB port or power adapter.

Receiver ARC Output Setup Diagram



1. Connect the receiver's ARC AMP port to a soundbar or amplifier with an ARC-compatible HD input.
2. Connect the receiver's DC 5V port to a USB port or power adapter.

Receiver 3.5mm Output Setup Diagram



1. Connect the receiver's DC 5V port to a USB port or power adapter.
2. Connect the receiver's 3.5mm port to headphones or an audio system.

Package Contents

Receiver.....	1pcs
Transmitter.....	1pcs
User manual.....	1pcs
USB charging cables.....	2pcs

Precautions

To ensure proper performance and longevity:

- 1.Avoid humid, high-temperature, dusty, corrosive, or oxidizing environments.
- 2.Protect all components from strong vibrations, impacts, or drops.
- 3.Do not handle the power adapter with wet hands.
- 4.When unplugging, hold the plug, not the cable.
- 5.Turn off the device when not in use (unplug for long-term storage).
- 6.Do not open the casing or touch internal components.

Troubleshooting

Before powering on, ensure all connections are correct.
Common issues and solutions:

N o	Issue	Cause and Solution
1	Power indicator off	1.Check power connections. 2.Ensure the power source is on. 3.Verify the power switch is "ON."
2	Link indicators flashing	1.Distance exceeds 50 meters. 2.Obstructions between devices. 3.Antenna not tightened. 4.Re-pair.
3	No audio via 3.5mm input	1.Verify the source device's output. 2.Check volume. 3. Set input switch to "R/L." 4.Disconnect Bluetooth.
4	No audio via optical input	1. Verify optical output settings. 2.Set source to optical and PCM. 3.Set input switch to "Optical." 4.Disconnect Bluetooth.

5	No audio via ARC input	1. Check TV ARC support. 2. Verify HD ARC port. 3. Set TV to ARC and PCM output. 4. Set input switch to "ARC." 5. Disconnect Bluetooth.
6	Distorted audio	1. Reduce input/output volume. 2. Check cable connections.
7	TV remote volume control fails	1. Only 3.5mm and ARC outputs support remote control. 2. Optical output does not. 3. Ensure ARC device supports CEC. 4. Point remote at TV, not transmitter. 5. Check remote battery.