Ainostone AS0409-BLK-3NNEW

Ainostone Bluetooth 5.3 3-in-1 Audio Transmitter Receiver

Model: AS0409-BLK-3NNEW

User Manual

1. Introduction

The Ainostone Bluetooth 5.3 3-in-1 Audio Transmitter Receiver is a versatile device designed to enhance your audio experience by adding Bluetooth capabilities to non-Bluetooth devices or enabling non-Bluetooth devices to receive audio wirelessly. It supports Transmitter (TX), Receiver (RX), and Bypass modes, offering broad compatibility with various audio equipment.

Key Features:

- **3-in-1 Functionality:** Easily switch between Transmitter, Receiver, and Bypass modes.
- **Bluetooth 5.3:** Ensures stable, fast, and energy-efficient audio transmission with extended range.
- **Dual Pairing:** Connects to two Bluetooth devices simultaneously for shared listening.
- **1.8-inch LCD Screen:** Provides real-time display of battery level, volume, and connected devices.
- **Wide Compatibility:** Supports Optical, AUX 3.5mm, and RCA audio connections.
- **Low Latency:** Minimizes audio delay for synchronized sound.

2. Package Contents

Please check the box for the following items:

- Ainostone Bluetooth 5.3 3-in-1 Audio Transmitter Receiver
- USB Type-C Power Cable
- Optical Audio Cable
- 3.5mm AUX Audio Cable
- 3.5mm to RCA Audio Cable
- User Manual

3. Product Overview

Familiarize yourself with the device's components and ports.



Image: Ainostone Bluetooth 3-in-1 Audio Transmitter Receiver showing its main features and controls.



Image: Close-up of the device's control panel, highlighting the power button, Bluetooth pairing button, mode switch, and rotary knob.

Control Panel:

1. **Power Button:** Press and hold to turn on/off. Short press to play/pause.
2. **Bluetooth Pairing Button:** Initiates pairing mode.
3. **Mode Switch Button:** Toggles between TX (Transmitter), RX (Receiver), and Bypass modes.
4. **Rotary Knob:** Adjusts volume, navigates menus, and selects devices.

5. **LCD Screen:** Displays operational status, connected devices, and settings.

Rear Ports:

- **DC IN (Type-C):** Power input.
- **AUX TX Output:** 3.5mm audio output for Transmitter mode.
- **Optical IN/OUT:** Optical audio input/output.
- **AUX RX Input:** 3.5mm audio input for Receiver mode.

4. Setup

Follow these steps for initial setup:

1. **Power On:** Connect the device to a power source using the provided USB Type-C cable. The device will automatically power on.
2. **Select Mode:** Press the Mode Switch button to select your desired operating mode: TX (Transmitter), RX (Receiver), or Bypass. The selected mode will be displayed on the LCD screen.
3. **Connect Audio Cables:** Based on your chosen mode and audio source/destination, connect the appropriate audio cables (Optical, 3.5mm AUX, or RCA) to the device and your audio equipment.



Image: Illustrates the three primary connection options: Optical, 3.5mm AUX, and RCA.

Important Note for TV Optical Connection: When connecting to a TV via optical cable, ensure your TV's audio output setting is set to **PCM Audio**. Digital audio formats like Dolby or DTS are not supported and may result in no sound.



Image: Example of a TV audio output menu, highlighting the PCM setting for optical audio.

5. Operating Modes

5.1 Transmitter Mode (TX)

In TX mode, the device transmits audio from a non-Bluetooth source (e.g., TV, PC) to Bluetooth headphones or speakers.

1. Set the device to TX mode using the Mode Switch button.
2. Connect your audio source (TV, PC, MP3 player) to the device's input port (Optical, AUX, or RCA).
3. Put your Bluetooth headphones or speakers into pairing mode.
4. The device will automatically search for nearby Bluetooth devices. Use the rotary knob to select your desired device from the list on the LCD screen and press to confirm pairing.
5. Once connected, audio from your source will be transmitted to your Bluetooth device.

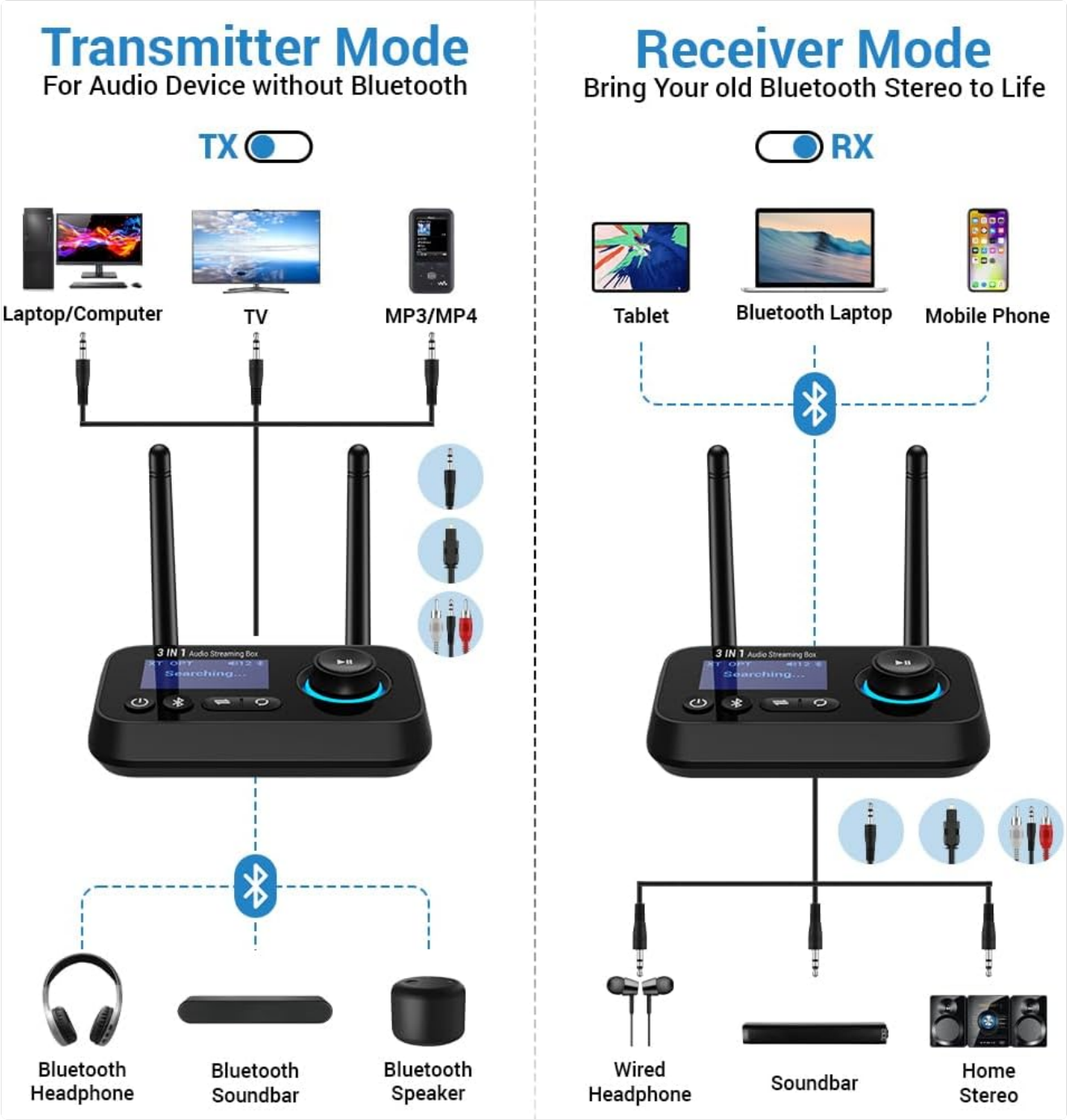


Image: Diagram illustrating how to connect a TV, PC, or MP3 player to the transmitter, which then sends audio to Bluetooth headphones, soundbars, or speakers.

5.2 Receiver Mode (RX)

In RX mode, the device receives audio from a Bluetooth source (e.g., smartphone, tablet) and outputs it to a non-Bluetooth speaker system.

1. Set the device to RX mode using the Mode Switch button.
2. Connect your non-Bluetooth speaker system (wired headphones, soundbar, home stereo) to the device's output port (AUX or RCA).
3. Enable Bluetooth on your smartphone, tablet, or other Bluetooth audio source.
4. Search for "Ainostone AS0409" (or similar name displayed on the screen) in your device's Bluetooth settings and connect.
5. Once connected, audio from your Bluetooth source will play through your wired speaker system.



Image: Diagram illustrating how a tablet, Bluetooth laptop, or mobile phone connects wirelessly to the receiver, which then outputs audio to wired headphones, soundbars, or home stereo systems.

5.3 Bypass Mode

Bypass mode allows you to use both wired and wireless audio outputs simultaneously from a single source, or to pass audio directly through the device without Bluetooth processing.

1. Set the device to Bypass mode using the Mode Switch button.
2. Connect your audio source (e.g., TV, PC) to the device's input port (Optical, AUX, or RCA).
3. Connect your wired speaker system to the device's output port (Optical, AUX, or RCA).
4. If you wish to also use Bluetooth headphones/speakers, follow the TX mode pairing steps. Audio will be outputted to both wired and wireless devices.



Image: Diagram illustrating Bypass Mode, where audio from a TV, laptop, or PC is simultaneously sent to a wired speaker system and can also be transmitted to Bluetooth headphones.

5.4 Dual Pairing

The device supports connecting to two Bluetooth headphones or speakers simultaneously in TX mode.

1. Connect the first Bluetooth device as described in TX mode.
2. Once the first device is connected, put the second Bluetooth device into pairing mode.
3. Press the Bluetooth Pairing button on the Ainostone device. It will search for and connect to the second device.
4. Both devices will now receive audio from your source.



Image: Two individuals wearing Bluetooth headphones, connected to the Ainostone device, sharing audio from a TV.

5.5 Automatic Reconnection

The device will automatically attempt to reconnect to the last paired Bluetooth device(s) when powered on, provided the device(s) are within range and in pairing mode.

6. Maintenance

To ensure the longevity and optimal performance of your Ainostone device, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts.
- **Power:** Always use the provided USB Type-C cable for power.

7. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Solution
No power	Ensure the USB Type-C cable is securely connected to both the device and a working power source. Try a different power adapter or USB port.
Cannot pair Bluetooth device	• Ensure the Ainostone device is in the correct mode (TX for transmitting, RX for receiving). • Put your Bluetooth headphones/speakers/phone into pairing mode. • Ensure both devices are within close proximity (within 1 meter) during pairing. • Clear previous Bluetooth connections on both devices and try again. • Restart both devices.
No sound or distorted sound	• Check all audio cable connections (Optical, AUX, RCA) are secure and in the correct ports. • Verify the Ainostone device is in the correct mode (TX/RX/Bypass). • Adjust the volume on both the Ainostone device and your connected audio equipment. • If using Optical with a TV, ensure the TV's audio output is set to **PCM Audio**. • Test with different audio cables or devices to isolate the issue.
Short Bluetooth range or intermittent connection	• Ensure there are no major obstructions (walls, large metal objects) between the Ainostone device and your Bluetooth headphones/speakers. • Avoid placing the device near other wireless devices (Wi-Fi routers, microwaves) that may cause interference. • Ensure the device's antennas are positioned upright for optimal signal.
LCD screen not working	Ensure the device is powered on. If the issue persists, contact customer support.

8. Specifications

Brand	Ainostone
Model Number	AS0409-BLK-3NNEW
Color	Black

Screen Size	1.8 Inches
Connections	Auxiliary, Bluetooth, Optical, RCA
Power Source	Electric Cable (USB Type C)
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	8.4L x 3.3W x 1.1H centimeters
Item Weight	180 Grams
Wireless Communication Standard	Bluetooth 5.3
Compatible Devices	TV, Receiver, PC, Stereo System, Home Stereo System, Headphones, Smartphone, MP3 Player, CD Player

9. Warranty and Support

Ainostone products come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official Ainostone website.
If you require technical assistance or have questions not covered in this manual, please contact Ainostone customer support through the retailer where you purchased the product or via the contact information provided on the official Ainostone website.

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