HomeSpot BA310

HomeSpot BA310 Bluetooth Audio Receiver User Manual

Model: BA310

1. Introduction

The HomeSpot BA310 is a versatile Bluetooth audio receiver designed to transform your existing home stereo system into a wireless streaming powerhouse. It supports advanced audio codecs including LC3 Auracast, aptX Lossless, aptX Adaptive, and aptX HD, ensuring superior sound quality and minimal latency. This manual provides detailed instructions for setting up and operating your BA310 receiver.

2. Package Contents

Please check the package for the following items:

- HomeSpot BA310 Bluetooth Audio Receiver
- USB-C Power Cable
- 3.5mm to 3.5mm Audio Cable
- 3.5mm to RCA Audio Cable
- Mini Toslink to Toslink Optical Cable
- User Manual (this document)

3. Product Overview

The HomeSpot BA310 features a compact design with multiple connectivity options and advanced audio technologies.

Key Features:

- **Wireless Streaming:** Converts your existing home stereo system into a Bluetooth-enabled device.
- **Superior Audio Quality:** Supports LC3 Auracast, aptX Lossless, aptX Adaptive, and aptX HD.
- **Wide Compatibility:** Works with most home stereo systems, AV receivers, and powered speakers with Optical, RCA, or 3.5mm input.
- **Extended Range:** Maintains a stable Bluetooth connection up to 100 feet (30 meters).
- **Easy Setup:** Plug-and-play installation with single-button control.

Ports and Controls:

The BA310 unit includes a USB-C port for power input and an audio output port that supports 3.5mm, Optical, and RCA connections. A single multi-function button controls pairing and mode selection.



Image: The HomeSpot BA310 receiver showing its audio output, USB-C power input, and the single control button for easy operation.



Image: The BA310 facilitates wireless audio streaming from Bluetooth devices to your home audio system.

4. Setup

Follow these steps to set up your HomeSpot BA310 Bluetooth Audio Receiver:

1. **Power Connection:** Connect the provided USB-C power cable to the BA310's USB-C port and plug the other end into a USB power adapter (not included) or a compatible USB port (e.g., on a TV or computer). The device will power on automatically.

2. **Audio Connection:** Choose one of the following audio output options to connect the BA310 to your stereo system, AV receiver, or powered speakers:
    - **3.5mm Audio:** Use the 3.5mm to 3.5mm cable to connect the BA310's audio output to your system's 3.5mm AUX input.
    - **RCA Audio:** Use the 3.5mm to RCA cable to connect the BA310's audio output to your system's RCA L/R audio inputs.
    - **Optical Audio:** Use the Mini Toslink to Toslink optical cable to connect the BA310's audio output to your system's optical input.
3. **Initial Pairing Mode:** Upon first power-on, the BA310 will automatically enter Bluetooth pairing mode, indicated by a flashing red and blue light. If it does not, press and hold the multi-function button for 5 seconds until the light flashes red and blue.

5. Operating Instructions

5.1. Bluetooth Pairing (Classic)

To connect your smartphone or tablet via classic Bluetooth:

1. Ensure the BA310 is in pairing mode (flashing red and blue light). If not, press and hold the multi-function button for 5 seconds.
2. On your mobile device, go to Bluetooth settings and search for available devices.
3. Select "HomeSpot BA310" from the list to pair. Once connected, the BA310's indicator light will turn steady blue.
4. You can now stream audio wirelessly to your stereo system.

5.2. Auracast Pairing

The BA310 supports Auracast for broadcasting audio to multiple compatible receivers. This feature requires a source device that supports Auracast broadcasting (e.g., certain Samsung Galaxy models) and the QKAudio app.

1. **Download QKAudio App:** Install the QKAudio app on your Auracast-enabled smartphone or tablet.
2. **Initial Bluetooth Connection:** First, pair the BA310 with your phone via classic Bluetooth as described in Section 5.1. This allows the QKAudio app to recognize the device.
3. **Disconnect Bluetooth:** After the initial pairing, disconnect the BA310 from your phone's Bluetooth settings.
4. **Start Auracast Broadcast:** On your phone, go to Bluetooth settings, tap the three-dot menu (or similar) and select "Broadcast sound using Auracast." You can rename your broadcast ID and set a password if desired. Then, click "Start Broadcast."
5. **Connect via QKAudio App:** Open the QKAudio app. Select the BA310 from "My Devices." Click "Scan Available Devices" and select your broadcast ID. The connection will be indicated by a green status in the app and a steady orange light on the BA310.
6. **Enjoy Auracast:** Play music from your preferred audio app. The BA310 will now receive the Auracast broadcast.

Note: If using multiple BA310 receivers, ensure they are not connected via classic Bluetooth to avoid latency issues. Auracast connections are indicated by a steady orange light, while classic Bluetooth connections show a steady blue light.

6. Specifications

Feature	Detail

Model Number	HS-BA310
Product Dimensions	2.36 x 2.36 x 1.57 inches
Item Weight	7 ounces
Connectivity Technology	Bluetooth (LC3 Auracast, aptX Lossless, aptX Adaptive, aptX HD)
Controller Type	iOS, Android (via QKAudio App)
Compatible Devices	Smartphone, Tablet
Connector Type	USB Type-C (Power)
Audio Output Mode	Stereo
Number of Channels	2

7. Troubleshooting

No Sound Output:

- Ensure the BA310 is powered on and the indicator light is active.
- Verify that the audio cables are securely connected to both the BA310 and your stereo system.
- Check that your stereo system is set to the correct input source (e.g., AUX, Optical).
- Confirm that your source device (smartphone, tablet) is successfully paired with the BA310 (steady blue for Bluetooth, steady orange for Auracast).
- Adjust the volume on both your source device and your stereo system.

Audio Noise/Hum (Ground Loop):

- If you experience a small amount of noise when powering the unit from a USB supply that also powers the amplifier, consider using the optical audio output if available, as it is immune to ground loops.
- Alternatively, a ground loop isolator can be used on the analog audio connection.

Connection Drops/Poor Range:

- Ensure the BA310 and your source device are within the specified operating range (up to 100 feet/30 meters). Obstacles like walls can reduce this range.
- Minimize interference from other wireless devices (Wi-Fi routers, microwaves).

Issues with Portable Power Banks:

- The BA310 draws very low power, which may cause some portable power banks to automatically shut off because they don't detect sufficient load.
- To use with a power bank, consider one with a "low current mode" or a "USB Battery Pack Keep-Alive Load" device. Alternatively, use a power bank with two USB ports and charge a small device on one port while powering the BA310 on the other.

8. Safety Information

- Do not expose the device to extreme temperatures, humidity, or liquids.
- Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage.

- Use only the provided cables or certified replacements.
- Keep the device away from strong magnetic fields.
- Clean the device with a soft, dry cloth. Do not use abrasive cleaners.

9. Warranty and Support

HomeSpot products are designed for reliability and performance. For warranty information or technical support, please visit the official HomeSpot website or contact their customer service. Keep your purchase receipt for warranty claims. For further assistance, please refer to the contact information provided on the HomeSpot official website.

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