

Pure Resonance Audio BTR1

Pure Resonance Audio BTR1 Bluetooth Wireless Audio Receiver

Model: BTR1

INTRODUCTION

The Pure Resonance Audio BTR1 is a compact and lightweight Bluetooth stereo receiver designed to deliver consistent, rich, and crystal-clear sound. It enables wireless streaming of high-definition audio to your existing sound system from any Bluetooth-enabled device such as a smartphone, tablet, or computer. Its robust design and advanced features make it suitable for various commercial and home audio applications.

Key Features:

- **Extended Range:** Consistent performance up to 100 feet (30 meters).
- **Quality Performance:** Superior high-resolution audio streaming with 112dB SNR and a frequency response of 10Hz - 20kHz for clear, rich sound and full dynamic range.
- **High-End Technology:** Utilizes the latest Bluetooth Version 5.0 with Qualcomm aptX HD, aptX LL, AAC, and SBC enhanced codecs, and an audiophile-grade 384kHz/32bit DAC for superior high-resolution digital audio streaming.
- **Discreet Design:** Compact and lightweight aluminum enclosure, less than 1 lb and under 1" high, suitable for placement on any flat surface or rack shelf.
- **Flexible Streaming:** Supports both RCA and optical digital inputs for easy integration with any audio system.
- **Easy Setup and Pairing:** Simple installation, quick pairing, and instant playback without complex configuration, custom software, apps, or passwords.

WHAT'S IN THE BOX

- BTR1 Bluetooth Wireless Audio Receiver
- Dual RCA to Dual RCA Stereo Audio Cable
- 3.5 mm to Dual RCA Splitter Cable
- Self-Adhesive Bumper Feet

- Power Supply

PRODUCT OVERVIEW



Figure 1: Front view of the Pure Resonance Audio BTR1 Bluetooth Receiver, showing the power button and antenna.



Figure 2: Rear panel of the BTR1, highlighting the Analog Audio Out (RCA), Optical Audio Out, and 5V DC Input ports.



Figure 3: The BTR1 Bluetooth Receiver positioned on a wooden surface, demonstrating its compact size and discreet design.

Official Product Video:

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Video 1: An overview of the Pure Resonance Audio BTR1 Bluetooth Audio Receiver, demonstrating its features and connectivity options.

SETUP INSTRUCTIONS

1. **Power Connection:** Connect the provided 5V DC power supply to the BTR1 unit and plug it into an AC outlet. The unit will automatically power on and enter pairing mode.
2. **Audio Output Connection:** Choose one of the following methods to connect the BTR1 to your sound system:
 - **RCA Output:** Use the supplied Dual RCA to Dual RCA Stereo Audio Cable to connect the BTR1's Analog Audio Out ports (L/R) to the corresponding input ports on your amplifier or receiver.
 - **Optical Output:** Connect an optical cable (not included) from the BTR1's Optical Audio Out port to the optical input on your sound system.
 - **3.5mm Output:** Use the supplied 3.5 mm to Dual RCA Splitter Cable to connect the BTR1's Aux Audio Out port to a 3.5mm input on your sound system or an adapter for RCA inputs.
3. **Pairing:** Once powered on, the BTR1 will automatically enter Bluetooth pairing mode. On your smartphone, tablet, or other Bluetooth-enabled device, navigate to the Bluetooth settings and select "BTR1" from the list of available devices to pair. No password is required.
4. **Playback:** After successful pairing, you can immediately begin streaming audio from your device to your sound system.

OPERATING INSTRUCTIONS

- **Automatic Reconnection:** The BTR1 remembers up to 8 previously paired devices. When a paired device is within range and Bluetooth is enabled, the BTR1 will automatically reconnect to the last paired device.
- **Manual Pairing:** If you wish to pair a new device or reconnect to a different device, ensure the BTR1 is powered on and in pairing mode (indicated by a flashing LED, if present). Then, select "BTR1" from your device's

Bluetooth settings.

- **Audio Playback:** Control audio playback (play, pause, skip tracks, volume) directly from your connected Bluetooth device.
- **Incoming Calls:** If an incoming call is received on your connected smartphone, the audio will transfer directly to your phone, allowing you to answer the call privately without interruption to the audio system.

MAINTENANCE

To ensure the longevity and optimal performance of your Pure Resonance Audio BTR1 Bluetooth Receiver, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners, aerosols, or solvents, as these may damage the finish or internal components.
- **Placement:** Place the unit on a stable, flat surface. Ensure adequate ventilation around the unit to prevent overheating. Avoid placing it near heat sources or in direct sunlight.
- **Storage:** When not in use for extended periods, disconnect the power supply and store the unit in a cool, dry place.
- **Handling:** Handle the unit with care. Avoid dropping it or subjecting it to strong impacts.

TROUBLESHOOTING

If you encounter issues with your BTR1 Bluetooth Receiver, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Ensure the 5V DC power supply is securely connected to the unit and the AC outlet. Try a different outlet.
Cannot pair device	Bluetooth not enabled on source device; BTR1 not in pairing mode; device too far.	Ensure Bluetooth is enabled on your device. Confirm the BTR1 is powered on and its indicator light is flashing (pairing mode). Move your device closer to the BTR1.
No audio output	Incorrect audio cable connection; wrong input selected on amplifier; volume too low.	Verify audio cables are correctly connected to the BTR1 and your sound system. Select the correct input source on your amplifier/receiver. Increase volume on both the source device and the amplifier.
Audio cutting out or poor quality	Interference; device out of range; obstacles blocking signal.	Move the source device closer to the BTR1. Remove any large metal objects or other electronic devices that may cause interference. Ensure the BTR1's antenna is positioned correctly.

SPECIFICATIONS

Feature	Specification
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Feature	Specification
Brand	Pure Resonance Audio
Model Number	BTR1
Product Dimensions	3.74 x 3.54 x 0.87 inches (0.87"D x 3.54"W x 0.87"H)
Item Weight	5.6 ounces
Connectivity Technology	Bluetooth
Bluetooth Version	5.0
Bluetooth Codecs	Qualcomm aptX HD, aptX LL, AAC, SBC
DAC	Audiophile-grade 384kHz/32bit
Wireless Range	Up to 100 feet (30 meters)
Audio Output Mode	Stereo (2.0)
Connector Type	Optical, RCA, 3.5mm (Aux)
Power Input	5V DC, 500mA
Special Feature	Music Streaming
Compatible Devices	Smartphone, Speaker, Amplifier, Receiver

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Pure Resonance Audio website. You may also contact their customer service for assistance with product setup, operation, or troubleshooting.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question