



**PURERESONANCEAUDIO<sup>®</sup>**

**BTR1 BLUETOOTH RECEIVER**

# **INSTALLATION AND OPERATION MANUAL**



Caution: Please read this manual carefully before operating.  
Damage caused by misuse is not covered by the warranty.

# SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use. The included conventions of safety symbols and messages are regarded as essential precautions.
- We recommend that you keep this instruction manual handy for future reference.

## SAFETY SYMBOL AND MESSAGE CONVENTIONS

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage that could result from mishandling. Before operating this product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety risks.



### **CAUTION!**

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.



### **CAUTION!**

- Keep the product dry to avoid affecting its interior circuitry.
- Don't put the product in direct sunlight or hot areas.
- The high temperature will shorten the life of the electronic device.
- Don't expose the unit to extreme temperatures; this may damage the internal circuit board.
- Don't take the product apart, or the warranty will be voided.
- Don't drop the product.
- Don't use chemicals or detergents to clean the product.
- Due to the product's isolating characteristics, do not use it at excessive volume while driving or in any other activity where failure to hear surrounding sounds could be dangerous.
- Using the product at excessive volumes may cause permanent hearing damage.

# DESCRIPTION

The Pure Resonance Audio BTR1 Bluetooth audio receiver streams high-fidelity audio wirelessly from any Bluetooth-enabled device to any sound system with an audio input. With the included mounting bracket, this receiver is easy to set up, pairs quickly, and remembers up to 8 devices. Superior high-resolution audio streaming with 112 dB SNR and an extended wireless range of up to 100 feet provides ultimate wireless freedom and maximum flexibility with support for RCA and balanced 1/8" TRS outputs. The BTR1 features the latest Bluetooth technology with high-end Qualcomm® aptX™ enhanced audio streaming codecs and a true Hi-Fi audiophile-grade DAC that delivers crystal clear sound for the highest-quality listening experience.

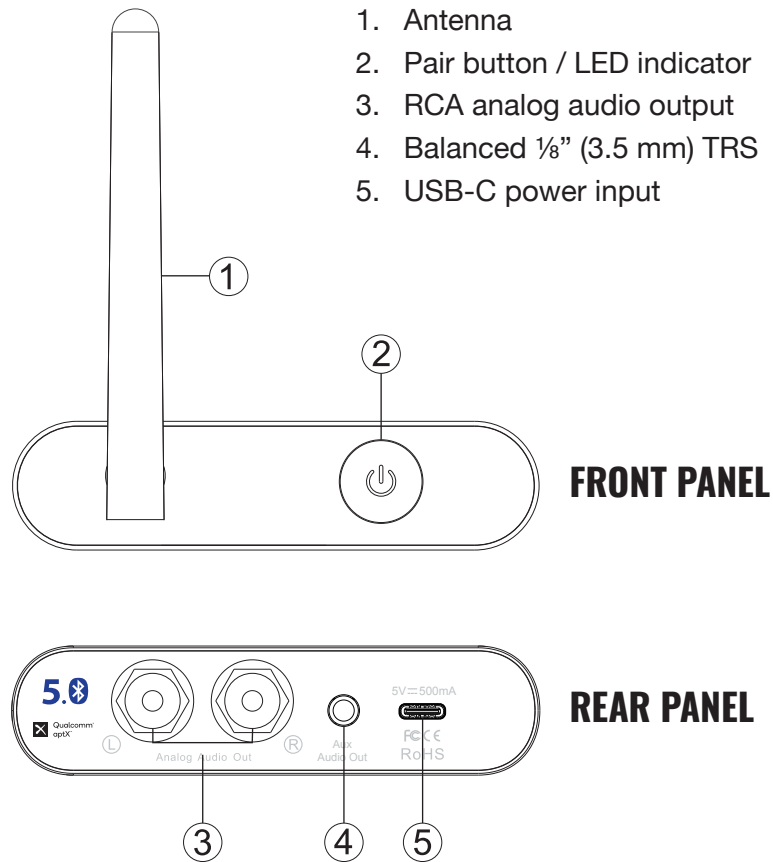
# FEATURES

- Easy setup, quick pairing
- Remembers up to 8 devices and automatically connects to the last paired device
- Compact and discreet design that can sit on any flat surface or mounted
- Robust quality aluminum enclosure
- Extended range of up to 100 feet (30 meters)
- Latest Bluetooth Version 5.0
- High-end Qualcomm® aptX™, aptX™ HD, aptX™ LL, AAC, and SBC audio streaming codecs
- High-fidelity audiophile-grade DAC
- Stereo analog RCA and balanced 1/8" (3.5 mm) TRS output
- Mounting bracket included

# SPECIFICATIONS

Bluetooth® Version	Bluetooth V5.0
Supported Codecs	Qualcomm® aptX™, aptX™ HD, aptX™ LL, AAC, and SBC
Bluetooth® Range	100 feet (30 meters)
Input	Bluetooth
Outputs	Stereo Analog RCA, Balanced 1/8" (3.5 mm) TRS
Output Voltage	2.1 Volts RMS
Output Impedance	57 Ohms
Frequency Response (±0.5 dB)	10Hz - 20kHz
Distortion (THD)	-93 dB
Signal-to-Noise (S/N) Ratio	112 dB
D/A Converter	PCM5102A
PCM Support	384kHz / 32bit
Material	Aluminum
Power Supply	5V, 500 mA
Dimensions (without bracket)	0.87" (22 mm) x 3.54" (90 mm) x 3.74" (95 mm)
Weight (without bracket)	0.35 lbs (0.16 kg)

# FRONT & REAR PANELS



## OPERATION GUIDE

### SET UP & PAIR

The following instructions will help you connect the receiver to your audio system and pair it with your tablet, computer, or smartphone.

1. Connect audio cables from the receiver's rear panel to your system's audio input.
2. Connect a power adapter to the receiver with the included USB-C power supply cable and plug the power adapter into an AC outlet.
3. The receiver will automatically 'Power ON' and enter discoverable/pairing mode. The LED light will start flashing to indicate that the unit is now ready to be paired.
4. Turn ON Bluetooth on your device and go to Bluetooth preferences.
5. Scan listed Bluetooth devices and select 'BTR1' to pair and connect. The LED indicator on the receiver should turn solid.
6. Ensure your audio system is turned on and the proper input source is selected.
7. The audio on your smart device will now play through your audio system.

The receiver can connect to one smart device at a time but can remember up to 8 devices. It will automatically connect to the last paired device.

## **PAIR A DIFFERENT DEVICE**

When powered ON, the receiver automatically connects to the last paired device.

- Go into the currently paired devices' Bluetooth settings and disconnect from the BTR1.
- Double-click the pair button when the device is ON to initiate pairing mode. The LED light will start flashing to indicate that the unit is now ready to be paired with a new device.

## **POWER OFF**

- Either press & hold the pair button for 2 seconds or simply disconnect the power supply from the AC outlet.

## **FACTORY RESET**

Perform a factory reset on the receiver if you experience malfunction or freeze.

1. Power OFF the receiver (keeping the device connected to the power supply).
2. Press & hold the pair button for 10 seconds until the BLUE LED flashes.

**PLEASE NOTE:** This will also clear the pairing record/list from the device.

# **TROUBLESHOOTING**

## **LED INDICATOR DOES NOT LIGHT UP**

- Confirm that the power adapter is connected to the receiver with the included USB cable and plugged into a functioning AC outlet.

## **DEVICE DOES NOT PAIR WITH THE RECEIVER**

- Ensure that your device's Bluetooth is turned ON.
- Ensure the LED indicator is blinking and your device is within the receiver's wireless range of 100 feet (30 meters).

## **LED INDICATOR IS SOLID, BUT DEVICE WON'T CONNECT**

- Check whether other devices are connected. If so, either disconnect or turn off Bluetooth on the different devices, then try connecting.
- Try unpairing and repairing your device to the receiver.
- Power cycle the receiver by disconnecting and reconnecting the power cable.

## **DEVICE IS CONNECTED, BUT THERE IS NO AUDIO OUTPUT**

- Ensure that the receiver output is correctly connected to your audio system.
- Check if your audio system's audio source (analog audio or TRS) is correctly selected.
- Verify the volume levels on your device.
- Try unpairing and repairing your device to the receiver.
- Power cycle the receiver by disconnecting and reconnecting the power cable.
- The volume output level from the receiver is low.
- Verify the volume levels on your device and audio system.

## **SOUND QUALITY IS POOR AND/OR THE AUDIO IS CUTTING OUT**

- Move your device or the receiver away from cordless phones, routers, microwave ovens, or other Bluetooth devices.
- Try moving your device closer to the receiver.
- Try another location.
- Turn off your device's Wi-Fi.
- Try unpairing and repairing your device to the receiver.
- Power cycle the receiver by disconnecting and reconnecting the power cable.
- Check that your device's OS is updated to the latest version.

# SERVICE

In the event of a malfunction, ensure the problem is not related to operator error or system devices external to this unit. Information provided in the troubleshooting portion of this manual may help with this process. Once it is certain that the problem is related to the product, contact your warranty provider as described in the warranty section of this manual.

## LIMITED WARRANTY

PRO ACOUSTICS, LLC. ("PRO ACOUSTICS") warrants this product to the original purchaser to be free from defects in materials and workmanship (subject to the terms set forth below) for the following periods from the date of purchase.

### THIS WARRANTY COVERS THE LISTED PRODUCTS AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE FOLLOWING PERIOD

Warranty Terms	
Speakers	2 Years
Amplifiers & Electronics	1 Year
Microphones	1 Year
Accessories	1 Year

PRO ACOUSTICS will repair or replace (at PRO ACOUSTICS's option) this product or any defective parts (excluding electronics and amplifiers) in this product.

Your authorized PRO ACOUSTICS dealer will inspect the product, and if your dealer is not equipped to perform the repair of your PRO ACOUSTICS product, they will replace your product or return it to PRO ACOUSTICS for repair at their discretion. Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from this product. This warranty is invalid if this product was not purchased from a PRO ACOUSTICS authorized dealer. Cosmetic damage or damage due to the accident, acts of God, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product are not covered in this warranty. This warranty does not cover damage due to improper operation, maintenance, installation, or attempted repair by anyone other than PRO ACOUSTICS or a PRO ACOUSTICS dealer that is authorized to do PRO ACOUSTICS warranty work. Any unauthorized repairs will void this warranty.

This warranty does not cover products sold as is.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. PRO ACOUSTICS U.S.A. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

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