



Miccus® Home RTX
Long Range Wireless Audio
Transmitter or Receiver



Model No.: BBRTX-01

Contents:

Quick Start Guide	1
Pairing	1
About the Miccus® Home RTX	2
What's in the Box?	3
System requirements	4
Detailed Instructions for Use	4
Connecting Audio Cables	5
Pairing the Home RTX with another device	6
Factory Reset	7
FAQ and Troubleshooting	8
Specifications	10
Support	10

Quick Start Guide:

- **Attach the antenna:** On the back of the RTX, remove the red rubber connector cover and attach the antenna. Turn clockwise until slightly snug. Position the antenna upright.
- **Connect the audio:** Before powering up, choose the included connector cable that is appropriate for your connection. When using as a transmitter (TX mode) connect your audio cable to the “TX Audio In” (RCA) or to the “Line In” (3.5mm). When using as a receiver (RX mode) connect your audio cable to the “RX Audio Out” or to the “Line Out”. Some devices may require an additional audio adapter or cable which is not included.
- **Power on/off:** Connect to USB power and hold the power button (the front center button) for 3 seconds until the indicator light turns on and begins blinking. To power off, hold the power button for 3 seconds until the indicator light turns off.

Pairing:

1. **Use as a transmitter (TX Mode)**
 - Place your Bluetooth® receiving device into pairing mode.
 - Power on the Home RTX, press the RX button once for 3 seconds, release, and then double press the TX button.
 - Allow up to 30 seconds, when pairing is successful the RTX indicator light turns solid red.
2. **Use as a receiver (RX Mode)**
 - Power on the Home RTX, press the RX button for 3 seconds and release.
 - Open the Bluetooth® menu on your phone or tablet and select the Home RTX.
 - If required, use passkey “0000”. When pairing is successful the RTX indicator light turns solid blue.

LED Indicator Light Guide

The Home RTX communicates via LED indicator lights. Following is a brief description of what each means. Refer to this guide as needed while reading the manual and working with your new Home RTX.

STATUS	LED (Indicator Light)
Pairing Mode	Alternate flashing red or blue
TX Mode connected	Solid Red
RX Mode connected	Solid Blue
Not connected/Searching	Red Flashing (TX Mode) or Blue Flashing (RX Mode)

For detailed instructions and troubleshooting please continue reading the Home RTX user guide or visit www.miccus.com for instructional videos and helpful hints.

Thank you for your purchase of the Miccus® Home RTX (BBRTX-01).

About the Miccus® Home RTX

The Miccus Home RTX is a long range Bluetooth® transmitter or receiver featuring a line of site transmitting range of up 160ft. Add Bluetooth® wireless technology to your existing speakers or stereo equipment.

What's in the Box?

- Miccus® Home RTX (BBRTX-01)
- Dipole Antenna
- AC USB Wall Adapter
- USB mini cable
- RCA to 3.5mm stereo Y Cable
- RCA to RCA Cable
- User Manual



If contents are missing or damaged
contact us at support@miccus.com

System Requirements

Transmit Mode (TX): Use the Home RTX with any device capable of *receiving* a Bluetooth® wireless audio signal (A2DP), including Bluetooth® enabled headphones, or adapters such as the SR-71 Stealth Headphones, Home RTX, and Swivel Jack RTX.

Receive Mode (RX): Use the Home RTX with any device capable of *transmitting* a Bluetooth® wireless audio signal (A2DP). Such capable devices include phones, tablets, and PCs or Bluetooth® audio adapters such as the Home RTX, the Home RTX Mini, or Swivel Jack RTX.

Detailed Instructions for Use

Power on/off

The Miccus® Home RTX is powered only by mini USB power; there is no battery to charge.

Connect one end of the included USB power cable to the Home RTX USB jack; connect the other end to a compatible USB power supply unit (5V/500mA) computer USB port. Any USB charger that is rated at an output of 5V@500mA or higher is compatible and may be used with the Home RTX.

For optimal performance, always use the provided USB cable which features a ferrite core to help eliminate radio frequency interference during operation. While any USB charger that is rated at an output of 5V@500MA or higher is compatible, you may experience buzzing or less signal range while using another USB cable.

Note: Leave the Home RTX continuously powered on to automatically reconnect when the last paired device is within range. In order to maintain memory of the last paired device, the Home RTX must remain continuously connected to USB power.

Connecting Audio Cables

To connect the Home RTX to other audio devices to receive or transmit audio, Miccus has included 2 audio cable options to select from dependent on your audio needs. You will only need 1 audio cable to connect the audio.

- a. 3.5mm (mini-plug) male to RCA (red and white) male
- b. RCA (red and white) male to RCA (red and white) male



To transmit in TX (transmit) mode, the Home RTX must be connected to an audio source with audio to transmit such as a computer, tablet, phone, or stereo system, etc.

1. Determine which cable is needed by your audio source (your PC, stereo, etc.).
2. Connect the cable to the auxiliary output or headphone jack on your audio source.
3. Connect the other end to the back of the Home RTX to the “TX Audio In”: either RCA(red/white) or 3.5mm “Line In”.

To receive in RX (receive) mode, the Home RTX must be connected to a stereo or powered speaker system to receive audio on from a transmitting device such as a phone or table.

1. Determine which cable is needed by your stereo or powered speaker systems’ auxiliary input.
2. Connect the appropriate cable to the auxiliary input
3. Connect the other end to the back of the Home RTX to the “RX Audio Out”: either RCA (red/white) or 3.5mm “Line Out”.

Pairing the Home RTX with another Device

The pairing process creates a Bluetooth® bridge between a Bluetooth® transmitter and a Bluetooth® receiver. The versatile Home RTX can function as either a Bluetooth® transmitter OR receiver. The pairing process should take approximately 5-10 minutes.

For quicker, easier pairing:

- Verify the RTX has power and audio connections completed
- Make sure the RTX and your Bluetooth® device are physically located near each other during the pairing process, no more than 3ft apart.
- Make sure any previously paired device, Bluetooth® headphones, speakers, adaptors are turned off so the RTX is ready to look for a NEW device to pair to.
- Please follow the below steps in a timely manner, without interruptions for best results.

Transmit Mode (TX):

1. Power on and start the pairing mode on your receiving device, i.e. Bluetooth® enabled headphones, speaker or other compatible A2DP Bluetooth® profile device.
2. Power on the Home RTX: press and hold the power button (3 seconds) until the indicator light begins flashing.
3. Press and hold the RX button for 3 seconds and release; the light will flash red and blue indicating it is in pairing mode.
4. Double Press the TX button (2 clicks) the red and blue indicator light is briefly interrupted, then flashes red and blue again indicating it is in pairing mode.
5. WAIT for the devices to connect. This may take up to a minute.
6. When pairing is complete, the RTX light will be solid red.
7. To begin streaming wireless audio, simply press play on your audio source, adjust the volume to preference and enjoy!

Receive (RX mode):

1. Power on the RTX: press and hold the power button (3 seconds) until the indicator light begins flashing.
2. Press and hold the RX button 3 seconds and release; the light will flash red and blue indicating it is in pairing mode.
3. Open the Bluetooth® menu on your phone or tablet and select the Home RTX. If a passkey is required, use “0000”.
4. WAIT for the devices to connect. This may take up to a minute.
5. When pairing is complete, the RTX light will be a solid blue.
6. To begin streaming wireless audio, simply press play on your audio source, adjust the volume to preference, and enjoy!

Volume:

Bluetooth® devices are designed to send or receive an audio signal, but are passive with no volume control. Volume level must be adjusted via the audio input or output source connected to the Home RTX.

Reconnection

Now that the Home RTX is paired, if left connected to USB power, the Home RTX will automatically reconnect to the last paired device when within range.

Factory Reset

To reset pairing memory, simply unplug the Home RTX from USB power for 20 seconds. The Home RTX remembers only one device pairing at a time, and once it is disconnected from power it will clear the pairing from memory.

FAQ and Troubleshooting

Problem	Solution
Home RTX does not turn on	<p>Check the USB power connection.</p> <p>Make sure you press and hold the power button for at least 3 seconds.</p>
Audio breaks up or wireless range is too low	<p>Make sure the antenna is attached securely and positioned correctly.</p> <p>Move the RTX away from other 2.4 GHz equipment such as Wi-Fi routers and microwaves.</p>
No sound/audio output	<p>Check the cables to make sure they are connected to the correct jacks.</p> <p>Press play on your music source</p> <p>Check to make sure your volume is set to a listenable level.</p>
Static or noise in the audio	<p>Make sure to use the supplied USB adapter and cable as PC USB ports can introduce noise.</p> <p>Move the RTX away from any amplifiers or powered speakers.</p> <p>Make sure the RTX is cabled to the correct line level input or output on your stereo receiver.</p>

Problem	Solution
<p>Can't pair my device with the Home RTX</p>	<p>Make sure the Home RTX and the device you're pairing with are right next to each other.</p> <p>Make sure all other Bluetooth® compatible devices you're NOT trying to pair with are either powered off or Bluetooth® disabled.</p> <p>Make sure you have the correct mode selected; one device must be the transmitter and one device must be the receiver. Devices such as Smartphones, tablets, and laptops are transmitters, and devices such as headphones and speakers are receivers.</p> <p>Make sure both devices are in pairing mode. LED equipped devices will typically flash fast when in pairing mode and flash slow when connected.</p> <p>Make sure your device is compatible with the wireless A2DP Bluetooth® stereo audio profile.</p>

Specifications

- Bluetooth® v2.1 + EDR (Extended Data Rate)
- Supports the A2DP Bluetooth® profile
- Audio Codec Support: SBC
- Operating Range: (Transmitter) up to 150ft, (receiving) up to 45ft
- Operating Frequency: 2.402 GHz to 2.480 GHz
- USB Power: DC 5V @ 500mA or higher
- Size: 4.37 x 3.48 Inches Weight: 5.22 oz

Support

Further details and answers to common questions are found at <http://www.miccus.com/help.asp>

If your question is not answered via the support page, feel free to email support@miccus.com; please include the product name in your subject line. Most email is answered within 24 hours or sooner. For live technical assistance please call **1 (616) 604-4449** Monday-Friday, 11am-4pm EST.

FCC Information

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.

Federal Communications Commission (FCC) Statement:

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 remedies:

- 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 Home RTX is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment. Tested to comply with FCC standard: FOR HOME OR OFFICE USE. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or in conjunction with any other antenna or transmitter.

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