

Miccus[®] Home **RTX**

WIRELESS MUSIC TRANSMITTER & RECEIVER




miccus[®]

www.miccus.com

Contents

Quick Start Guide	2
Pairing	3
About the Miccus® Mini-jack RTX	4
What's in the Box?	5
System requirements	6
Detailed Instructions for Use	6
Connecting Audio Cables	7
Pairing the Home RTX with another device	8
Factory Reset	9
FAQ and Troubleshooting	10
Specifications	11
Support	11

Quick Start Guide:

- **Attach the antenna:** on the back of the RTX, remove the red rubber connector cover and attach the supplied antenna to the antenna terminal (turn clockwise until snug). Optimize antenna performance by positioning the antenna upright.
- **Connecting the Home RTX:** 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)

- Power on your headphones or other receiving device and engage Bluetooth® pairing mode, then place it near the Home RTX.
- 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, then press and release the RX button.
- Using your Smartphone or tablet navigate to Bluetooth® devices and select “Miccus Home RTX”.
- If prompted, use passkey “0000”, when pairing is successful the RTX indicator light turns solid blue.

STATUS	LED (Indicator Light)
Pairing Mode (TX or RX)	alternate flashing red and blue
TX Mode connecting	flashing red
TX Mode connected	solid red
RX Mode connecting	flashing blue
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).

Please read the operation instructions carefully before use.

About the Miccus® Mini-jack RTX

The Miccus Home RTX is a long range Bluetooth® transmitter or receiver featuring a line of site transmitting range of up to 150ft. Stream Smartphone audio to the Home RTX from a range of up to 45ft receiving.

Add Bluetooth® wireless technology to your existing television 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 the merchant or 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 (Bluetooth® profiles refer to this feature as A2DP). Such capable devices include Bluetooth® enabled headphones/speakers or adapters such as the Miccus® Home RTX, Mini-jack AX4, or SR-71 Stealth Headphones.

Receive Mode (RX): use the Home RTX with any device capable of transmitting a Bluetooth® wireless audio signal (Bluetooth® profiles refer to this feature as A2DP). Such capable devices include mobile phones, tablets, and PCs or Bluetooth® audio adapters such as the Miccus® Home RTX, the Miccus® Home RTX Mini, or the Miccus® Mini-jack TX4.

Detailed Instructions for Use

Power on/off

The Miccus® Home RTX supports mini USB power. 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, or television USB port. Any USB charger that is rated at an output of 5V@500mA or higher is compatible and may be used with the Miccus® Home RTX.

The included USB cable with ferrite core is for USB power only and does not offer an audio connection.

For optimal performance, always use the provided USB cable with your Home RTX. Since the RTX is a long range device and may be susceptible to RF interference, the USB cable with ferrite core can help reduce potential interference during operation.

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

The Home RTX ships with the following audio cables:

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



- In TX mode the Home RTX requires an audio input source like a computer, tablet, Smartphone, television or stereo system, etc. that can offer the Home RTX an audio signal / music to transmit. In TX mode the cable being used must be connected to the appropriate input: either RCA (red and white) to the “TX Audio In” or 3.5mm to the “Line In”. Use the included cable that is best for your application.

- In RX mode the Home RTX receives a wireless stream of music/audio from a transmitting device such as a Smartphone or tablet and connects to your home stereo or speaker system for music output. In RX mode the cable being used must be connected to the appropriate output: either RCA (red and white) to the “RX Audio Out” or 3.5mm (mini-plug) to the “Line Out”. Use the included cable that is best for your application.

Pairing the Home RTX with another device

Transmit (TX mode): Pairing with a Bluetooth® receiver

- Power on your headphones, speaker or other compatible A2DP Bluetooth® profile device and engage pairing mode.
- Power on the Home RTX: press and hold the power button (3 seconds) until the indicator light begins flashing.
- Press and hold the RX button 3 seconds; the indicator light will flash red and blue.
- Double press the TX button; red and blue flashing will pause for a brief interruption then begin blinking red and blue again.
- When pairing is complete the RTX indicator will light a solid red.

Receive (RX mode): Pairing with a Bluetooth® transmitter

- Power on the RTX: press and hold the power button (3 seconds) until the indicator light begins flashing.
- Press and hold the RX button 3 seconds; the indicator light will flash red and blue.
- Power on your A2DP Bluetooth® profile transmitting device and engage pairing mode.
- When pairing is complete, the RTX indicator will light a solid blue.

Note: For optimal connection, the Miccus® Home RTX and your Bluetooth® device should be no more than 1 meter (3ft) apart when pairing.

To begin streaming audio simply press the play button on your audio source and adjust volume to taste. By design the Home RTX is a passive transmitter or receiver and has no volume control. User volume level must be adjusted via the input and/or output sources connected to the Miccus Home RTX.

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>
Can't pair my device with the Home RTX	<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 transmitters.</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.

© 2016 Miccus, Inc. All rights reserved. Bluetooth is a trademark of the Bluetooth SIG and used under license. Made in China to Miccus specifications.