

# Moukey MBRT1 Bluetooth 5.0 Audio Transmitter and Receiver

## Owner's Manual

# Precautions

### Read Carefully Before Proceeding

Please keep this manual in a convenient place for future reference

### Power Supply

Please connect the original USB cable to the USB charger, make sure the charger is DC 5V, 1A above current.

### Connections

Always turn off the power before connecting or disconnecting. This will help prevent malfunction and damages.

### Environment Considerations

Avoid using the unit in any of the following conditions that could cause malfunction:

- Extremely hot or cold places
- Under direct sunlight
- Magnetic fields
- Near heaters and other heat sources
- Sandy or dusty places
- Places that are extremely humid or exposed to splashing water
- Places with lots of vibrations

### Electrical Interference

Devices that are very susceptible to interference or that emits powerful electromagnetic waves (e.g. radios and TVs) should not be placed near this unit, as interference could occur. Electromagnetic interference could cause malfunction and could corrupt or destroy data.

Always operate this unit at a suitable distance from these devices

### Handling

Do not apply excessive force to the switches and other controls, exposing the unit to strong impacts, which could cause it to break.

Do not put foreign objects or liquids into the unit.

Never open the case or attempt to modify the product in any way since this can result in damage to the unit. Clean only with a soft, dry cloth.

Manufacturer: Guangzhou Rantion Technology Co., Ltd

# Main Features

Moukey MBRT1 Bluetooth 5.0 Audio 2 in 1 Transmitter and Receiver is a wireless long range audio transmitter & receiver incorporating the 'aptX' and 'aptX low-latency' technology for CD-like quality sound with virtually no delay. Featuring the Bluetooth 5.0 and support for Qualcomm aptX LL, aptX, AAC decoding, FS decoding and SBC decoding, Moukey MBRT1 will bring you ultimate music listening experience.

Moukey MBRT1 can receive a range of the Bluetooth signal up to 30m in doors. Easy to plug via Coaxial Cable, Optical Cable, RCA cable or 3.5mm stereo aux cable, pair with Bluetooth audio device, it will provide the best solution to enable your TV or home audio system to wirelessly stream hi-fi audio directly to any wireless headphones or speakers.

- CSR Bluetooth 5.0, supports aptX LL, aptX, AAC decoding, FS decoding and SBC decoding, transmit HIFI Level audio signal with low latency.
- 2 in 1 Transmitter and Receiver, providing the best solution to enable your TV or home audio system to wirelessly stream hi-fi audio directly to any wireless headphones or speakers.
- Up to 30m distance wireless
- Supports Optical (SPDIF), Coaxial, AUX, RCA audio outputs / inputs, compatible with 99% of TVs, Bluetooth headphones or speakers and Home stereo system.
- Supports 2 pairs of Bluetooth equipment (Bluetooth Headphone/Bluetooth Speaker) in TX mode.
- Easy to plug and Bluetooth pairing.

# Function



Button	Function	Operation
Mode	RCA/ Coaxial / SPDIF /AUX Switch	Press once to switch between RCA/ Coaxial / SPDIF /AUX audio mode. The Led will indicate the input/output status.
Power	Power ON/OFF	Press and hold once to switch the power ON/OFF.
RX/TX Switch	Transmitter Mode	Press once to switch between transmitting mode or receiving mode. The Led will indicate the RX/TX status and show the audio decoding mode.
	Receiver Mode	Hold RX/TX Switch for 2S, it will disconnect and clear the pairing device for reconnecting, the LED will flash to indicate.

Indicator	Status
RCA	Inputs/outputs the audio signal via RCA.
CDO	Inputs/outputs the audio signal via Coaxial.
SPDI/F	Inputs/outputs the audio signal via SPDIF In/ SPDIF Out.
AUX	Inputs/outputs the audio signal via AUX.
SBC	Using SBC decoding mode.
FS	Using FastStream decoding mode.
LL	Using AptX Low Latency (AptX LL) mode.
AAC	Using AAC decoding mode.
APTX	Using AptX mode.

**Note:**

1. Operation range can be affected by Wi-Fi routers, Wireless TV adapters, physical obstructions like walls, metal obstacles etc, and also depended on receiving device.
2. To take advantage of the better performance of the APTX Low Latency codec (~40ms), the other side device must support the same codec. If the other side device only supports the

normal AptX codec, or the SBC one, those codecs will be used instead.

3. After Bluetooth connected, the LED will indicate the decoding mode automatically. If your headphones or speakers do not support aptX LL, the LL LED will not light.

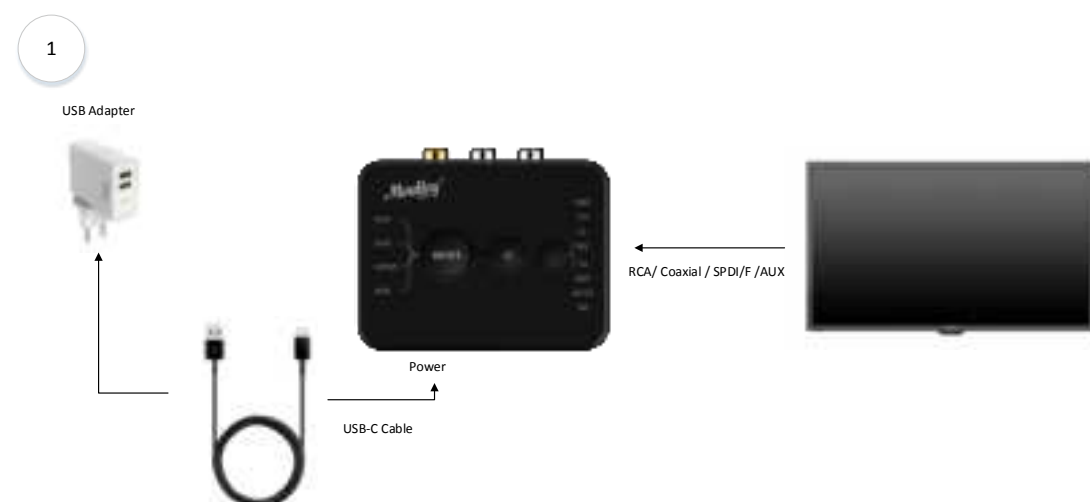
4. Moukey MBRT1 does not support simultaneous transmit and receive functions.

5. Digital Optical / Coaxial Audio sources for transmitting must be set to PCM or Stereo. Dolby / DTS input is not supported.

## Setup Instruction

### Use as a transmitter (TX mode)

1. Connect audio source (TV, DVD etc.) to MBRT1 audio jacks (RCA/ Coaxial / SPDIF / AUX) with the audio cables (RCA/ Coaxial / SPDIF / AUX).
2. Connect MBRT1 to a power source (Highly recommended connecting to power adapter with a USB-C to USB-A cable).
3. Press the Power button to turn on MBRT1.
4. Select the correct audio input mode (RCA/ Coaxial / SPDIF / AUX) by pressing the Mode button (Very Important).
5. Press RX/TX switch to the "TX" position.
6. Pairing - Pair MBRT1 with your Bluetooth-enabled headsets/speakers.
  - Set your headsets/speakers to pairing mode refer to its user manual.
  - Wait until connected (For quick pairing, better keep them within 1 meter when pairing).
- MBRT1 Supports pairing with 2 pairs of Bluetooth equipment. After pairing with one successfully, press the "Power" button twice, MBRT1 will pair the other Bluetooth equipment automatically. (For quick pairing, better keep them within 1 meter when pairing).



2



Press the Power button

3



Select the correct audio input mode  
(RCA/ Coaxial / SPDIF / AUX)

4



Press RX/TX switch to the "TX" position

5



MBRT1 will auto-enter pairing mode. Set your Bluetooth headphone/speaker to pairing mode. Wait, they will pair and connected.



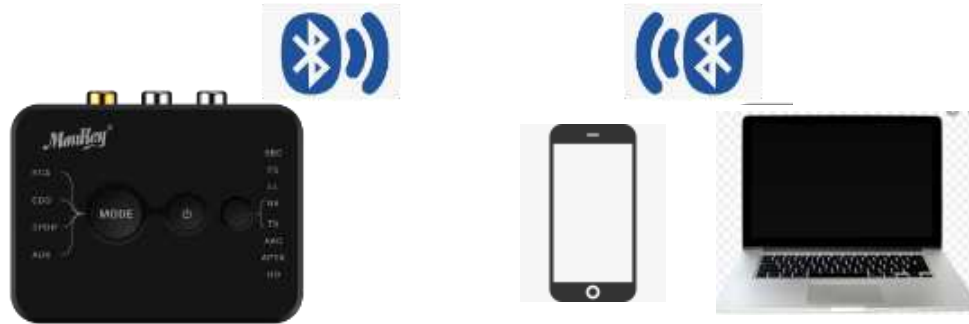
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### Use as a Receiver (RX mode)

1. Connect audio source (Speakers, Amplifier etc.) to MBRT1 audio jacks (RCA/ Coaxial / SPDIF / AUX) with the audio cables (RCA/ Coaxial / SPDIF / AUX).
2. Connect MBRT1 to a power source (Highly recommended connecting to power adapter) with a USB-C to USB-A cable.

3. Press the Power button to turn on MBRT1.
4. Select the correct audio output mode (RCA/ Coaxial / SPDIF /AUX) by pressing the Mode button (Very Important).
5. Press RX/TX switch to the "RX" position.
6. Pairing - Pair MBRT1 with your Bluetooth-enabled Mobile phone, PC etc.
  - Active Bluetooth on your phone or another device to find "Moukey MBRT1" to connect.
  - Wait and connected (For quick pairing, better keep them within 1 meter when pairing).





MBRT1 will auto-enter pairing mode. Active Bluetooth on your phone or other device & Find "Moukey MBRT1" to connect

**Note:**

1. Highly recommend using power adapter to connect MBRT1, connecting to TV / Computer / DVD may cause ground noise or power shortage.
2. When the device is pairing, it may cause few seconds or minutes. It depends on the Bluetooth protocol of your device and the distance between two devices.

## Specification

<b>Transmission</b>	High Definition signal, support SBC, FS , AAC, aptX, aptX-LL (Low latency)
<b>Bluetooth Protocol</b>	AVRCP, A2DP, HFP, HSP
<b>Support Sampling</b>	≤48KHz
<b>Distance</b>	30m
<b>Power supply</b>	DC 5V
<b>Dimensions</b>	80mm(D)*63mm(W)*23mm(H)
<b>Weight</b>	60g
<b>Accessories</b>	USB-C to USB-A cable. RCA to 3.5mm stereo Aux cable. Optical Cable. Owner's Manual.

**\*Notes : Any specification's update will not be amended in this manual.**

NOTE: 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 measures:

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.



# Troubleshooting

Question	Answer
Having trouble pairing and connecting to my Bluetooth device	<ol style="list-style-type: none"><li>1. Your wireless device supports the wireless profiles listed in the specifications.</li><li>2. MBRT1 and your device are next to each other or within 3 feet / 1 meter.</li><li>3. Make sure both MBRT1 and the wireless device are in pairing mode.</li></ol>
After connecting and pairing with wireless device, cannot hear any music from sound system.	<ol style="list-style-type: none"><li>1. Make sure you select the correct audio input mode (RCA/ Coaxial / SPDIF /AUX) by pressing the Mode button.</li><li>2. In Coaxial / SPDIF mode, make sure your TV audio is set to PCM/ LPCM format. MBRT1 does not support Dolby/ DTS format.</li><li>3. In Coaxial / SPDIF mode, MBRT1 supports device with sampling rate of or under 48kHz.</li></ol>
More troubleshooting, please enter <a href="http://www.donnerdeal.com">www.donnerdeal.com</a>	



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