

# User Manual

## Bluetooth Audio Transmitter/Receiver Set

### Avantree Lock



www.avantree.com

Any questions? Contact:

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- Spain: +34 931786261 (ES, CET 2:30pm-4:30pm)
- Asia: +86 755 8228 1190 / 7741-7746 (CN & EN, BJT 9am-5pm)
- Australia: +61 2 8310 9897 (CN & EN, BJT 9am-5pm)

#### Self-service Support:

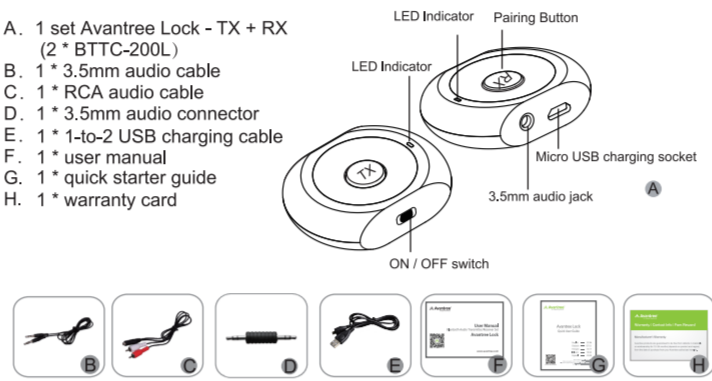
- 100+ Step by step video Guide – youtube.com/avantree/playlists
- 300+ FAQ: support.avantree.com

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#### 1. Product overview & Package contents

- A. 1 set Avantree Lock - TX + RX (2 \* BTTC-200L)  
B. 1 \* 3.5mm audio cable  
C. 1 \* RCA audio cable  
D. 1 \* 3.5mm audio connector  
E. 1 \* 1-to-2 USB charging cable  
F. 1 \* user manual  
G. 1 \* quick starter guide  
H. 1 \* warranty card



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#### 2. Basic function

**Note:** This is a PRE-PAIRED SET! Plug-n-Play and Low Latency can ONLY be achieved when using them as a pair.

Button	Function	Operation
ON / OFF switch	Power on / off	Slide to "ON" position to power on, slide to OFF position to power off
Paring button	Enter paring mode	Press and hold for 5 seconds until the LED flashes BLUE and RED alternately.
	Clear pairing history	During pairing mode, double click the pairing button, the BLUE and RED LEDs will both on for 2 seconds (like pink).

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#### 3. LED indications

TX unit Status	LED indicator
Power on	LED turns BLUE for 1 second
Power off	LED turns RED for 1 second, then turns off
Pairing mode	LED flashes BLUE then RED alternately
Disconnected	LED flashes BLUE once every second
Devices connected with aptX low latency codec	LED flashes WHITE twice every 5 seconds
Devices connected with aptX codec	LED flashes WHITE once every 5 seconds
Devices connected with Fast Stream codec	LED flashes BLUE twice every 5 seconds
Devices connected with SBC codec	LED flashes BLUE once every 5 seconds
Clear pairing history	LED turns PINK for about 2 seconds
Low battery	LED flashes RED quickly

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#### RX unit

Status	LED indicator
Power on	LED turns BLUE on for 1 second
Power off	LED turns RED for 1 second, then turns off
Pairing mode, last until no power	LED flashes BLUE then RED alternately
Standby mode – not connect to each other	LED flashes BLUE once every second
Devices connected	LED flashes BLUE once every 5 seconds
Clear pairing history	LED BLUE & RED light on for about 2 seconds, then into pairing mode
Low battery	LED flashes RED quickly

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#### 4. How to use as Bluetooth transmitter and receiver set

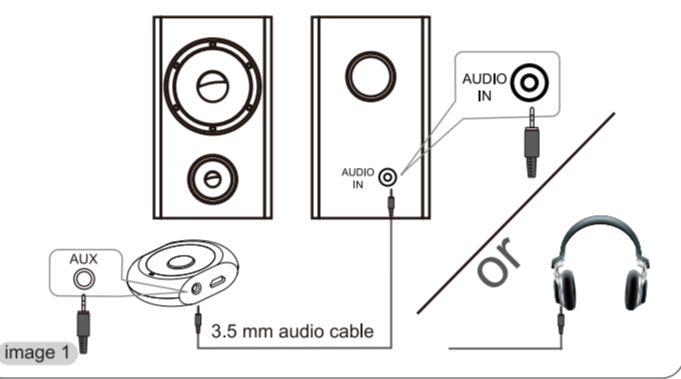
##### 4.1 Set up

- Step 1.** Connect RX unit to headphones/speaker via 3.5mm/RCA audio cable. Please refer to **image 1-2**.
- Step 2.** Turn on RX and TX units – slide ON/OFF switch to ON position
- Step 3.** Keep them close and wait for them to reconnect.
- Step 4.** Once connected, **BLUE** LEDs will stay on for about 1-3 seconds on both units & you will hear "Connected" from the connected headphone/speaker with the RX unit.
- Step 5.** Connect TX unit to an audio source (TV, AVR, etc) via 3.5mm/RCA audio cable. Please refer to **image 3-6**.

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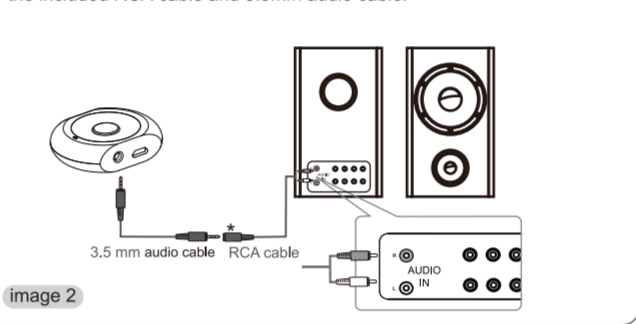
#### Connect RX unit to headphone / Speaker

Connect RX to a non-Bluetooth speaker or Headset with a 3.5mm audio jack using the included 3.5mm audio cable.



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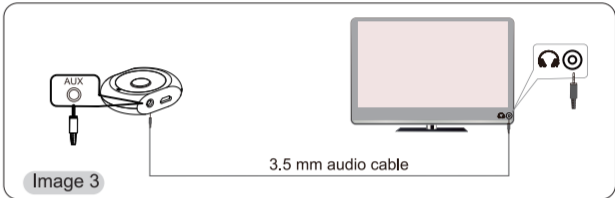
Connect RX to a non-Bluetooth speaker with an RCA ANALOG OUT via the included RCA cable and 3.5mm audio cable.



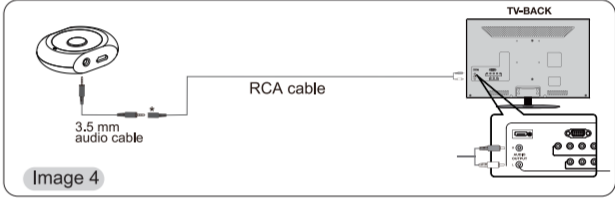
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#### Connect TX unit to an audio source

##### Audio source with 3.5mm headphone jack

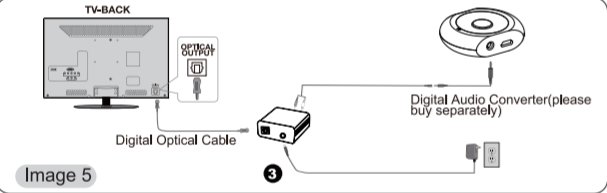


##### Audio source with RCA ANALOG OUT

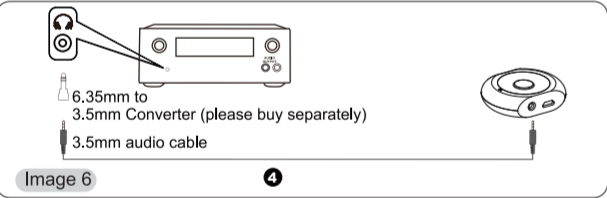


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#### Audio source WITHOUT RCA analog out or headphone jack



#### Audio source with 6.35 output



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#### 4.2 Reconnect

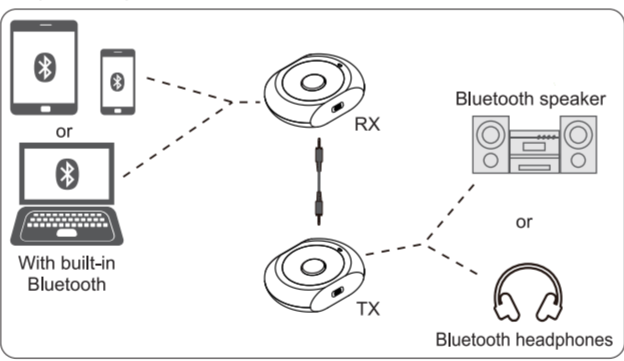
Normally, TX and RX units will automatically reconnect to each other once turned on. Otherwise, please re-pair and connect them manually as below steps:

- Step 1.** Turn on TX and RX units.
- Step 2.** Set TX and RX units to Pairing mode – Press and hold Pairing button for 5 seconds until the LEDs flashes RED and BLUE alternately.
- Step 3.** Keep them within range and wait for reconnection.
- Step 4.** Once connected, **BLUE** LEDs will keep on for about 1-3 seconds on both units & you will hear "Connected" from the connected headphone/speaker with the RX unit.
- Step 5.** Now you can "lock" the connection between the TX and RX unit. This ensures they auto-reconnect when they are powered on. Once the 2 devices are connected, double click the MFB button on the transmitter, the WHITE LED will turn on for 2 seconds.

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#### 5. How to use as a Bluetooth repeater

This setup will allow you extend the range between your audio source and your headphones / speaker.



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- Step 1.** Initiate the TX unit pairing mode – Ensure the RX unit is off. Turn on the TX unit. Press and hold the pairing button for about 5 seconds until the LED flashes BLUE and RED alternately.
- Step 2.** Enter your Bluetooth headphones/speaker into pairing mode – Please refer to your user manual.
- Step 3.** "Lock" the connection between the TX unit and your Bluetooth headphones/speaker – Once connected, double click the pairing button on the TX unit. The LED will turn WHITE for 1 second.
- Step 4.** Initiate the RX unit pairing mode – Turn on RX unit and press and hold the RX pairing button for about 5 seconds until the LED flashes BLUE and RED alternately.
- Step 5.** Pair your audio source device with the RX unit – Turn on the Bluetooth function on your smart phone / PC, search & select "Avantree Lock" to connect.
- Step 6.** Finish Bluetooth repeater setup – Connect the TX and RX units together using the included 3.5mm-3.5mm connector.

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#### 6. Clear Pairing History

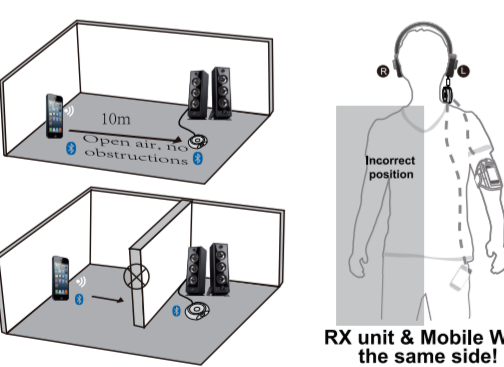
Occasionally, you may need to clear the pairing history of the Lock if it is not working as expected. After this, all the paired devices information will be erased.

- Step 1.** Set TX or RX unit to pairing mode – press pairing button for 5 seconds until you see the LED flash BLUE and RED rapidly.
- Step 2.** Then double click pairing button – the LED will light on BLUE and RED simultaneously (like PINK). Then it enter pairing mode again.

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#### How to get the maximum range

#### Best Result

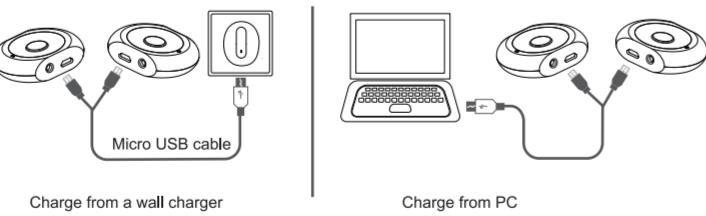


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#### 8. Charging

When the LED flashes red quickly, you should recharge the device. It normally takes about 2 hours to fully charge the battery. The LED will stay red when charging and will turn off when charging is complete.

Charging requirements:  
You can connect the TX or RX unit via the supplied micro USB cable to your own USB chargers (wall charger/travel charger/car charger, etc.) with 5V/500mA-1A or PC USB port. It's ok to use most mobile phone chargers on the market.



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#### Note:

- 1. The RX unit will power off if not paired with any device after 30 minutes even if connected to a power source, please switch the "ON / OFF" switch to ON again to power on. The TX unit however will always be on in the same scenario.**
- 2. If the device is not in use regularly, please remember to re-charge the unit once a month in full at least to avoid battery damage.**

#### 9 Product Specification

##### TX unit

- Bluetooth 3.0
- Bluetooth profile: A2DP
- Audio codec: aptX-LL, aptX, Fast Stream, SBC
- Operating Range: Class 2, 10 meters
- Working time: up to 6 hours
- Charging time: around 2-3 hours
- Charging input voltage: DC 5V
- Battery: 270mAh rechargeable lithium battery
- Weight: Approx. 20g

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##### RX unit

- Bluetooth 4.2
- Bluetooth profile: A2DP and AVRCP
- Audio codec: aptX-LL, aptX, SBC
- Operating Range: Class 2, 10 meters
- Working time: up to 8.5 hours
- Standby time: up to 250 hours
- Charging time: around 2-3 hours
- Charging input voltage: DC 5V
- Battery: 270mAh rechargeable lithium battery
- Weight: Approx. 20g

Working and standby times may vary when used with different audio output devices or mobile phones, usage settings, usage styles and environments.

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#### 10. Declaration of Conformity

CE:

The product is in conformity with the essential requirements of Article 3.1 (a) (b), 3.2 of Directive 1999/5/EC and the essential requirements of Directive 2004/108/EC.

FCC:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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**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.
- FCC ID: WJ5-BTTC200
- To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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#### 11. Support information

More FAQs on support.avantree.com  
Video user guide: Search "Avantree Lock" on Youtube.com  
Telephone support refer to <http://www.avantree.com/contact-us>  
Email support: support@avantree.com



FCC ID: WJ5-BTTC200

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