High Power Bluetooth V5.0 Audio Transmitter & Receiver

Operating Instructions

This High Power Bluetooth V5.0 Audio Transmitter & Receiver operates both as a transmitter and receiver, allowing you to send music from your phone for playback through an amplifier or powered speakers OR to transmit audio from a non-bluetooth device to Bluetooth headphones or amplifier/ receiver. Its perfect for transmitting the audio output from your TV to headphones! Two units may also be set up to relay audio wirelessly over extended distances. To do this one A1107A can be set up as a bluetooth receiver and the other as a transmitter.
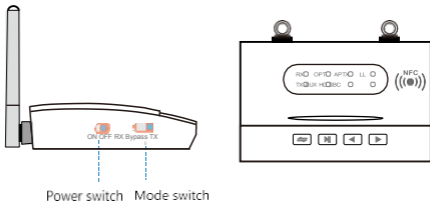
Features
• Bluetooth 5.0
• Transmit or receive modes
• Device bypass mode
• Stream simultaneously to 2 headphones at once
• aptX-HD low latency transmission with high fidelity lossless audio
• NFC fast pairing function
• Range up to 80m
• S/PDIF optical input or output connection
• 3.5mm aux input jack
• In-built 1000mAh lithium battery for 15hrs of streaming
• Includes 3.5mm to RCA stereo cable, 3.5mm to 3.5mm stereo cable, optical cable and USB charging cable

Specifications
• Bluetooth chip: CSR8675
• Bluetooth supports profiles: RX: A2DP AVRCP TX: A2DP
• Operational Range: >80m (straight line transmission without occlusion)
• Battery: 1000MA
• Working Time: RX>20H, TX average>15H
• Charging Time: 4.5H
• Input voltage/current: DC 5V
• Input/output connection: SPDIF, 3.5mm stereo audio jack
• Audio CODEC: aptX HD, aptX Low Latency, apex, SBC

Product Overview

Power switch   Mode switch

1. Power Switch Button
• Power on: Slide to "ON" to turn on the device
• Power off: Slide to "OFF" to turn off the device

2. Mode Switch Button
• Receiver Mode: Slide to RX to enter receiving mode
• Transmitter Mode: Slide to TX to enter transmitting mode
• Bypass Mode: Slide to "bypass" to enter Bypass mode

3. Pairing Button (⇌)
• Quick pairing: Double-click on the button to quickly enter the pairing and search status
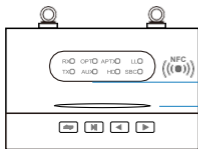• Mode: Single-click on the button to enter reconnecting status

4. Play/Pause Button (▶❙)
• In RX mode, click the button to play/pause

5. Other buttons (◀ ▶)
• Pre/Next switch & Volume up/down switch: In RX mode, single-click for Pre/Next song, long press for volume up/down.

LED Indications

LED Working Space 1

LED Working Space 2

LED Working Space 1	
RX	In receiving mode
TX	In transmitting mode
OPT or AUX only	In bypass mode
OPT	In SPDIF audio mode
AUX	In AUX audio mode
APTX, LL, HD, SBC	Audio CODEC is in aptx, aptx Low Latency, aptX, HD, SBC
LED Working Space 2	
Blue Flash	Flashes on and off quickly to indicate pairing mode. Flashes for very 2 seconds to indicate standby mode. Double click ⇌ to pairing mode.
Blue On	The device has been successfully connected.
Green On	The transceiver connects two bluetooth devices.
Red On	The device is in the charging state, it automatically turns off after being fully charged.
Red Flash	Flashes to indicate the device is in low battery. Charging can release the alarm.

About Charging

The device has a built-in rechargeable battery for long-term standby and use. When the device flashes red during normal use it indicates low battery and needs to be charged. (We recommend fully charging A1107A before using it for the first time.

1. Plug one end of the micro USB cable into the devices charging port and the other end to a USB 5V power output port (such as a mobile phone charger or computer USB port).

2. The charging time is about 4.5 hours.

3. The red light is on when charging, and the red light is off after the device is fully charged.

NOTE:

• When the battery is too low or the quality of the charging power is poor, noise by current interference may occur during charging.

• Frequent use in charging mode will affect the battery life.

• Please try not to put it aside in low battery, or it will not be used normally due to battery automatic protection.

Control Functions

1. Power Switch: (Please do not lower than 3 seconds for the on/off interval.) Slide the power switch to the ON end to light the LED on, and the device will be turned on. Slide the power switch to the OFF end to light the LED off, and the device will be turned off.

2. The device automatically enter the connection and seach for pairing: When the device is turned on, the device automatically enters the connection and search for pairing.

3. Quickly enter pairing mode: After the device is the turned on, double click the button $\fbox{⇄}$ to quickly enter the pairing search status.

4. Clear the paired device: When the device powered on, long press the button $\fbox{⇄}$ for 8 seconds to light all the LEDs on at the same time, and the paired device will be cleared successfully.

5. Automatic switch between AUX and SPDIF mode: (Please follow the LED indicator.) The device's audio automatically switched, and the default setting is SPDIF mode. When you plug in the AUX audio cable, it will automatically switch to AUX. You can use AUX or SPDIF mode according to your preference. Note: When using SPDIF audio mode, please do not plug in the AUX audio cable. When the AUX audio cable is plugged into the AUX port, the device will switch to AUX audio mode.

Control Functions

6. **Button functions:** In RX Mode:

⊜ Click the button to connect to the device. Double-click the button to quickly enter the pairing status.

⏭ Click the button to play or pause

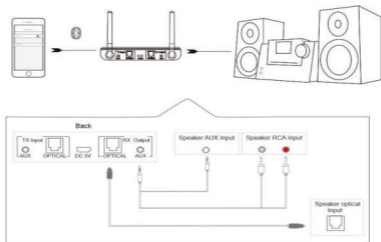◀ ▶ Click the button for Pre/Next song, long press the button for Volume up/down.

In TX Mode:

⊜ Click the button to connect to the device. Double-click the button to quickly enter the pairing status.

7. **Automatic Power-off:** In RX and TX Mode, when the device is not connected, it will automatically enter the sleep mode after 6 minutes. It needs to be turned on and off again to operate.

8. **NFC Connection:** In the RX mode, turn on the bluetooth and NFC functions on the mobile phone, and put the mobile phone next to the NFC sensing area of the device. When the sensing is successful, a dialogue box for connecting with the device will pop up on the mobile phone, and the connection can be selected.
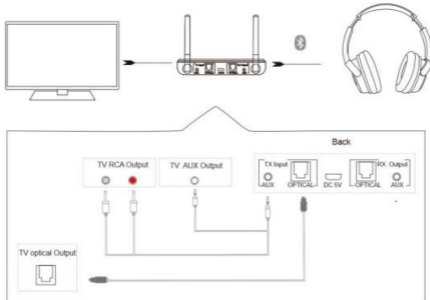
RX Receiving Mode: By its receiving mode, this device can transfer the music on the mobile phone, computer and PAD to the audio equipment with AUX/SPDIF audio input port via the bluetooth function of the device.

RX Receiving Mode Steps

1. Slide the RX/Bypass/TX switch on the side of the device to the RX end, and turn on the power switch of the device to the ON end. When the device is turned on, the RX indicator lights up.
2. Double click the ⟲ button to quickly enter the pairing search state (the blue light in the LED working space 2 flashes rapidly).
3. Insert the optical cable into the RX output OPTICAL port of the device to light up the "OPT" indicator on the device, and plug the other end of the optical cable into the optical input port of the household audio device.
NOTE: When using the SPDIF audio mode, please do not plug the audio cable into the AUX port, the device will switch to AUX audio mode). If you are using the AUX audio, please insert the 3.5mm audio cable into the AUX port on the device to light up the "AUX" indicator, and the plug the other end of the audio cable into the audio input port of the household audio device.
4. Turn on the bluetooth function of the mobile phone, click to search for bluetooth device, select and click the device name "BT-B22" in the bluetooth list.
5. When the connection is finished, the blue indicator of the LED working space 2 on the device always lights on, meaning you can use this device to enjoy music.
NOTE: When the connection is finished, you can play the music, and the audio CODEC indicator on the device corresponds to aptX, aptX Low Latency, aptX HD, SBC.

TX Transmission Mode: By its transmission mode, this product can be used with the TV to wirelessly forward the sound to a Bluetooth device (bluetooth headphones) or bluetooth speaker.

TX Transmission Mode Steps

1. Turn on the bluetooth speaker or bluetooth headphones to be connected and paired.
2. Slide the RX/Bypass/TX switch on the side of the device to the TX end, and slide the power switch of the device to the ON button. When the device is turned on, the TX indicator lights up.
3. Double click the ⇌ button to quickly enter the pairing search state (the blue light in the LED working space 2 flashes rapidly).
4. Plug the optical cable into the TX input OPTICAL port of the device to light up the "OPT" indicator on the device, and plug the other end of the optical cable into the optical input port of the household television output port.
NOTE: When using the SPDIF audio mode, please do not plug the audio cable into the AUX port, the device will switch to AUX audio mode). If you are using the AUX audio, please insert the 3.5mm audio cable into the AUX port on the device to light up the "AUX" indicator, and the plug the other end of the audio cable into the audio input port of the household audio device.

5. Rapid blue flashes on LED working space 2 indicate the device is in the mode of searching for bluetooth devices (bluetooth headphones or speakers).
6. When the pairing is successful, the blue light of the LED working space 2 is always on, and you can hear the sound from your bluetooth speaker or earphones (Note: When the connection is finished, you can play the music, and the audio CODEC indicator on the device corresponds to aptX, aptX Low Latency, aptX HD, SBC.

NOTE:
1. Different bluetooth devices (such as bluetooth headphones) will have different period of time for searching and connecting based on different schemes and supports.
2. In TX mode, rapid blue flashes on LED working space 2 indicates the device is in the mode of searching for bluetooth devices (bluetooth headphones or speakers).
3. It is recommended to activate the bluetooth speaker or bluetooth headphones into the pairing state before you turn on the device in order to increase connection speed.
4. When using the device, please do not place the device on a metal object, and place the device in front of the TV without obscuration.

"One for Two" functions of TX transmission mode:
1. Refer the above connection steps to connect to Bluetooth A (bluetooth headphones or speaker).
2. When Bluetooth A (bluetooth headphones or speaker) is successfully connected, please turn on the Bluetooth B (bluetooth headphones or speaker) and put it in the standby connection state.
3. Double-click the (⇋) button to quickly enter the pairing search state (the blue light of the LED working space 2 flashes rapidly on the device). It starts to search for the bluetooth B (bluetooth earphones or speaker), and automatically connects after searching the Bluetooth B.
4. When the connection is successful, the green indicator of the LED working space 2 on the device lights up, and the bluetooth devices A and B (bluetooth earphones or speaker) emit sound at the same time.

NOTE:
1. If you cannot search for the Bluetooth B to connect, you can double-click the button (⇋) on the device and try searching for connection again.
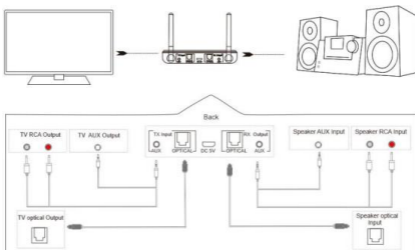2. If you can't connect to Bluetooth A and B (bluetooth earphones or speakers) at the same time, or the sound is not normal after connecting the bluetooth devices (such as no sound or stuck), you can turn off and restart the device.

NOTE:
3. Different bluetooth devices (such as bluetooth headphones) will have different period of time for searching and connecting. There can be failure to connect or no sound in "one for two" functions of TX transmission mode, you can disconnect a Bluetooth device for another try.

Bypass mode:
In Bypass mode, this device can be connected with TV and convert the sound to a speaker device. This design allows you to freely switch between Bypass mode and Bluetooth mode, requiring only one switch without disconnecting any cables.

1. Slide RX/Bypass/TX switch on the side of the device to bypass end and slide the power switch of the device to the ON button. When the device is turned on, one of the indicators, "OPT" or "AUX", lights up.
2. Connect the cable of audio source (TV, DVD, etc.) to the "TX Input" port on the device.
3. Connect the speaker cable to the "RX Output" port on the device.
4. When the connection is successful, the speaker makes a sound.

Troubleshooting:
When having the following troubles, you can try the following methods. If there is still a problem after trying these solutions, please contact the dealer and do not diassemble the device to repair by yourself so as not to cause unnecessary trouble! When the device is not working properly, please check the following;

1. Plug the charger into the connection and check if the battery has power.
2. Please turn off the power and turn it on again to check if it can be wake for operation.
3. If the device cannot be searched on the mobile phone, please check whether the device is waiting for the pairing to connect in RX mode. If the "RX" indicator lights up, refer to the instructions in RX mode in the above.
4. If the bluetooth device (bluetooth device (bluetooth earphones or speakers) cannot be searched in TX mode, please check whether the device is in TX Mode while searching for the bluetooth device or the "TX" indicator is lit up. You can refer to the instructions in TX mode in above to find out how to connect bluetooth.
5. The working mode and status of the device can be determined according to the LED working indicator on the front of the device.
6. Please check if the audio cable is plugged into the AUX audio port on the device if there is no sound when the SPDIF connection is successful.
7. In the event of sound interruption and jamming, you can try to turn off and restart the device. Please do not place the device on a metal object. The device should be placed in front of the TV without any obstructions. When using high-rate audio input to play (such as Blu-ray, DVD source), it may also cause sound interruption/stuck. This device supports 24bit/48KHZ transmission.
8. Due to the differences in solutions and transmission protocols of bluetooth receiver chips, there may be trouble in pairing connection.