5.2G/5.8GHz Wireless Stereo Audio Kit

Features

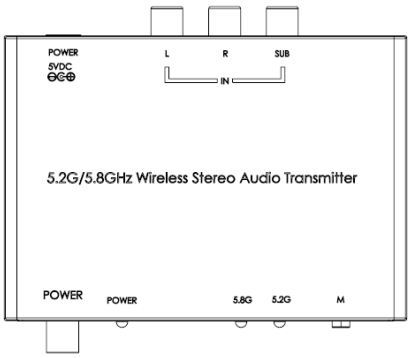
- Lossless Audio - 5.2 & 5.8GHz selectable digital wireless with an advanced channel selection for near lossless audio, provides excellent transmission stability.
- Wide Range - Up to 150 ft (45M) operational distance between transmitter and receiver (line of sight).
- High Performance - 24-bit 48KHz full CD quality high resolution/uncompressed audio.
- Works with any AV receiver - Stereo RCA Input.
- An additional Subwoofer mono input and output for connecting between AV Receiver and Powered/Active Subwoofer Speaker/ Subwoofer Amplifier, respectively.
- The receiver provides standard line level output which will drive most audio equipment including home theater AV Receivers/Surround Processor, Stereo Amplifiers, Audio Pre-Amplifier, Mixing Consoles, or even the DJ Mixer/ Controller.

Package Contents:

1. Transmitter
2. Receiver
3. USB Type A male to Right angle 90 degree 5.5 X 2.1 mm DC 5V Power Plug Cable X 2 (for transmitter and receiver)

Transmitter

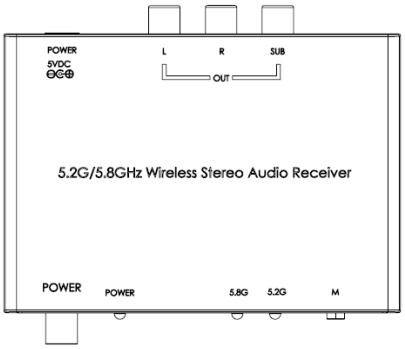
① DC-IN Jack (5V) ②Line Level Input



①Power Switch ②Power Indicator ③ Channel LED Indicator ④ Channel Pairing Button

RECEIVER

① DC-IN Jack (5V) ② Line Level Output

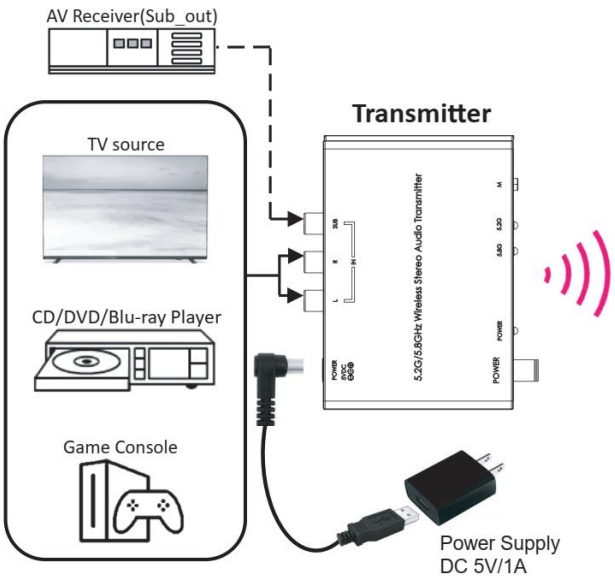


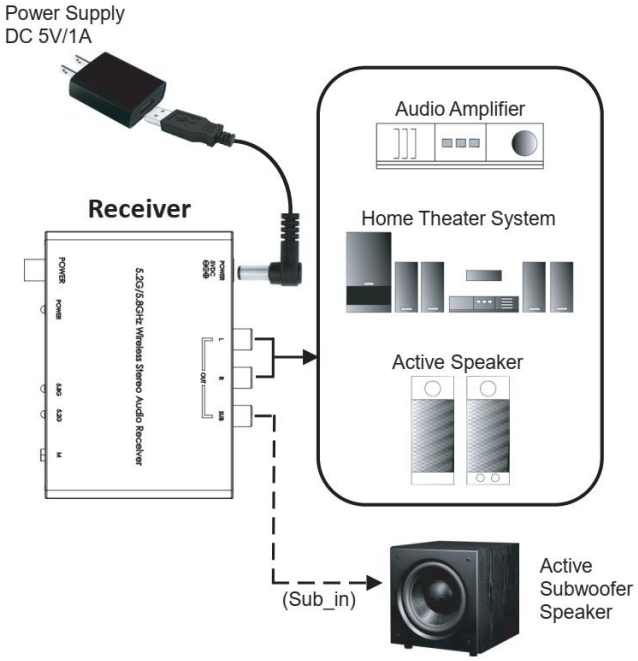
①Power Switch ②Power Indicator ③ Channel LED Indicator ④ Channel Pairing Button

Install Wireless Audio Transmitter and Receiver

For best reception performance, we recommend that the wireless transmitter and receiver must be placed within 150 feet line of sight for proper operation. If no line of sight is possible, place the transmitter and receiver such that there is the minimum possible number of walls and obstacles between the transmitter and receiver. We recommend that you experiment with placement in order to find the best location for the wireless transmitter and receiver.

Application





Transmitter:

1. Use the RCA cable connect the Stereo L/R output and Subwoofer Pre-out or LFE output of your AV receiver to the wireless Stereo Audio Transmitter.
2. Plug supplied USB Type A male to Right angle 90 degree 5.5 X 2.1 mm DC 5V Power Plug Cable into wireless Stereo Audio Transmitter of DC Jack, and plug other end the 5V 1A power supply, and plug into an 120V AC outlet.

Receiver:

1. Use the RCA cable connect the wireless Stereo Audio Receiver to your Amplifier, Home Theater System, Active Speaker Stereo L/R input and Subwoofer input or LFE input.
2. Plug supplied USB Type A male to Right angle 90 degree 5.5 X 2.1 mm DC 5V Power Plug Cable into wireless Stereo Audio Receiver of DC Jack, and plug other end the 5V 1A power supply, and plug into an 120V AC outlet.

Note: This product will not work properly from within an enclosed metal cabinet.

Operation Step:

1. Connect wires on both transmitter & receiver and the AC adapters. Turn on the power switch on the front panel, the LEDs light BLUE (as 5.8GHz mode with factory default setting) on both wireless transmitter and receiver are paired and enters running mode.

   Note: After power on, if there is no signal input within 16 seconds, the wireless receiver enters standby mode.

2. Turn on your AV receiver/ amplifier and then play the audio or video source through your amplifier
   , adjust the best volume to match the balance with your center and front left/ right speakers in the first time installation.

Pairing the transmitter and receiver

The transmitter & receiver are automatically paired and synced at the factory, both LEDs should be solid Blue in 5.8G mode as default when powered on. In order for the transmitter to transmit to receiver, they need to be paired. If the

front panel LEDs are blinking on one or both units, do the following:

1. Short press the “M” Channel paring button on the Transmitter and Receiver to toggle between the 5.8GHz (blinking Blue LED) channels, and the 5.2GHz (blinking Green LED)
2. Ensure both the Transmitter and Receiver show the same LED color.
3. Long press 3 seconds at ’M’ Channel paring button on both units will into pairing mode that LED flashing quickly (Press at different time is possible, pairing period : 20s)
4. Successful pairing that is indicated by a solid Blue (or Green) LED or a solid Green on both the Transmitter and Receiver.

Description of the network status LED light

Flashing Slowly: Not paired wireless device
Flashing Quickly: Pairing Mode
Solid Blue: 5.8G mode (as at factory default)
Solid Green: 5.2G mode (optional setup)

Trouble Shoot

Problem	Solution
No Sound	-Make sure that all the cables are connected correctly.
	-Make sure that the transmitter is connecting to the audio output from your device, like AV receiver, amplifier, audio preamp…etc.
	-Make sure that the receiver is connecting to your Amplifier, Home Theater System, active speakers and active subwoofer speakers.
	-Check to see if the LEDs illuminate on the front of both the wireless transmitter and receiver units, if the LEDs are shown in solid Blue (in 5.8G mode) or solid Green (in 5.2G mode), the communication is working correctly. If the LEDs are different color or flashing, refer to the “NO communication” between the transmitter and receiver, then pairing the receiver and transmitter again.
	-Make sure that the home theater receiver is on.
	-Make sure that the input is correctly selected.
	-Turn up the volume on the home theater receiver.
	-Make sure that the speaker wire are connected.
	-Make sure that the transmitter and receiver are both connected to a working power outlet.
Sound Interference	-Move the transmitter and receiver slowly to find the best reception position for your system.
	-Shorten the distance between transmitter and receiver, the maximum distance is 150feet (45Meter, open space).
	-Check to determine if there are any obstacle, or obvious radio frequency interference sources near your system, such as the WIFI router. Make sure the transmitter is more than 18 inches away from any WIFI routers.
	-Other devices such as 5.8G frequency cordless phones may cause interference with our wireless speaker kit. Try to put it as far away as possible or turning off one device at a time to determine which device is causing interference.
No communication between the transmitter and	-After the power switches have been turned on both the transmitter and receiver, the front panel LEDs should light. If they are solidly on, a communication link has been successfully established between the units. If they are flashing on one or both units,

receiver	long press and hold the “M” button on either the transmitter and receiver for three seconds. (Both the transmitter’s and receiver’s “M” Channel paring buttons are on the Front panel.) This will put the unit into the “pairing/connection mode” for about 20 seconds. During this period the “M” Channel paring button on the other unit must also be pressed for three seconds so that it will also enter “pairing connection mode”. The system proceeds with the connection process between the transmitter and receiver. While in “pairing connection mode”, the LED indicators blink at a faster rate. When an active link is established between the transmitter and receiver, the LED indicators will be solid on Blue (5.8G mode) or Green (5.2G mode) on both units, and will not blink.
	-Make sure that the power cords are correctly connected.
	-Make sure both the transmitter and receiver are shown same color LED. Solid Blue (in 5.8G mode status) or Green (in 5.2F mode status).

Technical Specifications:

Audio Transmission: Digital, uncompressed, bidirectional

Radio Frequency: 5.8G Mode - RF channel 5725~ 5850 MHz

5.2G Mode - RF channel 5150~ 5250 MHz

Sampling Rate: 24bit, 48KHz

Transmitter Operating Range: Max 150ft – line of sight (best result)

Max 50ft – through walls and ceilings (not recommend)

Frequency Response: Line Level Audio: 20Hz ~ 20kHz

Subwoofer: 20Hz ~ 170Hz

Transmitter Input Voltage Level: 2.4V

Receiver Output Voltage Level: 2.4V

Subwoofer Output: 6dB

Audio Distortion: Subwoofer: <1%

Signal-to-noise ratio: > 80dB

Latency: <20ms

Max Number of Receivers per Transmitter: 255

Dimensions(W x D x H): Transmitter: 105mm x 74mm x 29mm

Receiver: 105mm x 74mm x 29mm

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.

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

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.

-This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.