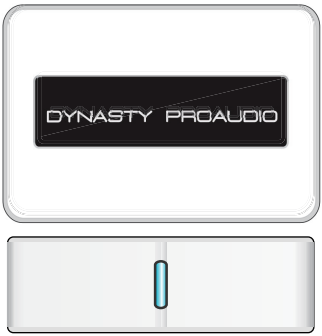
DYNASTY PROAUDIO

WSA-5TR-V2 5.2G / 5.8G WIRELESS SUBWOOFER SPEAKER Kit



The WSA-5TR-V2 (Version 2) wireless subwoofer speaker kit provides premium-quality audio for stereo audio applications operating in the 5.2 / 5.8GHz bands. Simply connect the transmitter module to you're A/V processor and the receiver to your powered/active subwoofer speakers. No more running cable around doors or hiding under carpet to connect your subwoofer speaker to the receiver.

Features:

* Lossless Audio - 5.2 & 5.8GHz selectable digital wireless with an advanced channel selection for near lossless audio, provides excellent transmission stability
* Up to 100 ft (30M) operation distance between transmitter and receiver (line of sight)
* The WSA-5TR transmitter 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.

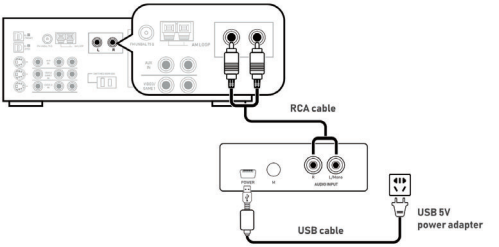
Package Contents:

1. Transmitter (a)
2. Receiver (b)
3. 5V 1A USB Power Adapter (c) x 2
4. Stereo RCA Audio cable (d) x 2
5. Stereo Mini Jack to RCA Y cable x 1
6. USB cable (e) x 2
7. Owner’s Manual

Set up the Transmitter and Receiver

Transmitter– *with an AV Receiver/Surround Processor, or 2 Channels Pre-Amp have a line level subwoofer output labeled Subwoofer Pre Out, Sub Out, SW Out..etc*

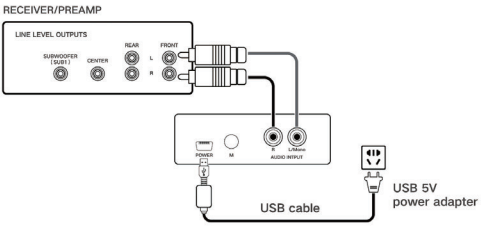
Application 1: WSA-5TR with an 5.1/7.1 AV Receiver or Surround Processor



Step 1 - Use the supplied (d) RCA cable to connect the Subwoofer Pre-Out or LFE output of your AV receiver and to the (a) WSA-5TR wireless transmitter Audio Input. *You can leave right RCA plug unconnected if you are connecting to a subwoofer as mono signal*

Step 2 - Plug supplied (e) USB A to Micro B cable into “POWER” on the (a) WRA-5TR transmitter, and plug other end into the (c) 5V 1A power supply, and plug into an120V AC outlet

Application 2: WSA-5TR Wireless Transmitter with a 2 Channel Stereo Pre-Amplifier:



Step 1 - Use the supplied (d) RCA cable to connector the 2 channel stereo pre-amplifier’s L/R line level Pre-Outs to (a) WSA-5TR wireless transmitter L/R input

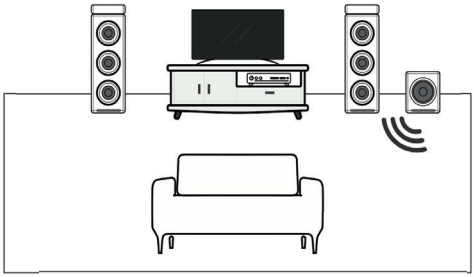
**Leave right RCA plug unconnected if you have a mono source*

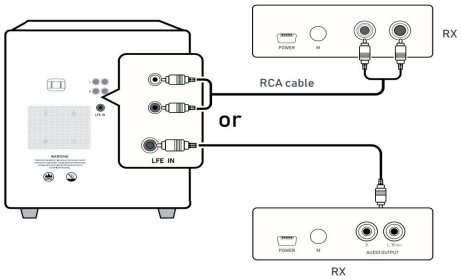
Step 2 - Plug supplied (e) USB A to Micro B cable into “POWER” on the (a) WRA-5TR

transmitter, and plug other end into the (c) 5V 1A power supply, and plug into an120V AC outlet Receiver - with Powered/Active Subwoofer, or Powered/Active Surround Speakers

Receiver - *with Powered/Active Subwoofer, or Powered/Active Speakers*

Application 1: ***WSA-5TR*** **Wireless Receiver with a Powered/Active Subwoofer**

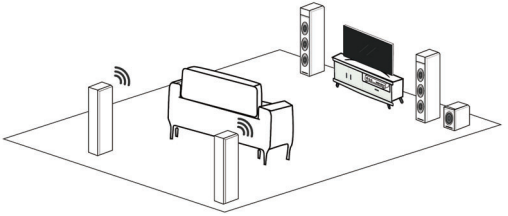




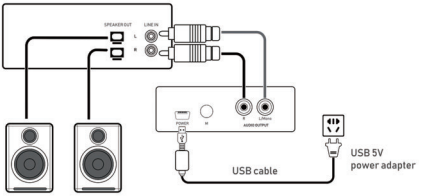
Place the subwoofer at its intended location (refer to your subwoofer owner's manual), and using the supplied (d) RCA cable to connect the (b) WSA-5TR wireless receiver audio output to your subwoofer audio input.

If you're using a different sub that only has a single LFE input, connect the same color RCA that you used for your AV Receivers SUB / LFE out, and leave the other unplugged on the WSA-5TR audio output and subwoofer audio input

Application 2: ***WSA-5TR*** **with a Powered/Active Speaker (Or the passive loudspeakers with an additional amplifier connected)**

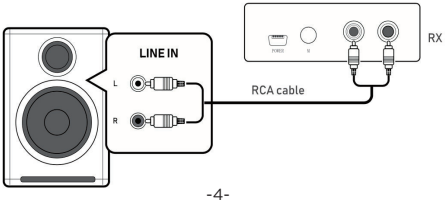


Option A: connecting with 2 channels stereo amplifier + Passive speaker - Connecting with 2 channels stereo amplifier + Passive speaker - Use the supplied (d) stereo RCA cable to connect the (b) WSA-5TR wireless receiver L + R output to your 2 channels stereo amplifier audio RCA line In, the amplifier should be connected with passive speaker via conventional speaker wiring



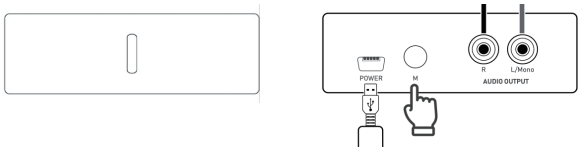
The WSA-5TR 5.8G wireless set transmits full frequency audio and can be used for full-frequency active speakers)

Option B: connecting with Powered/Active Speaker - Use the supplied (d) stereo RCA cable to connect the (b) WSA-5TR wireless receiver L+R output to your pair of powered/active speaker's audio RCA line In.



Pairing the WSA-5TR-V2 transmitter and wireless receiver

The WSA-5TR-V2 wireless Transmitter and Receiver are automatically paired and synced at the factory, both LEDs should be solid Blue in 5.8G mode as default when powered on



The WSA-5TR-V2 (Version 2) use the latest 5.8G wireless technology connection with 62 channels auto selection from RF channel 5727~5848, which are not easily disturbed by 2.4G (the frequency band of bluetooth and WIFI) and have excellent transmission stability, also avoids and decrease possibility of interference from the wireless networks routers, cell phone, garage doors, R/Cs, and other 2.4G/5.8GHz frequency devices. However, if you experience any interference in the 5.8G mode, you could try to use the 5.2G mode with 44 RF channel 5157~ 5243 (option)

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" 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 colour.

3. Long press "M" paring button again on both units to confirm the channel selection

4. Successful pairing is indicated by a solid Blue (or Green) LED on both the Transmitter and Receiver.

TroubleShoot

Problem	Solution
No Sound	- Make sure that all the cables are connected correctly
	- Make sure that the audio transmitter (TX) is connecting to the SUB subwoofer output (or preamp out) from your device, like AV receiver, amplifier, audio preamp….etc
	- Make sure that the audio receiver (RX) is connecting to your active/powered subwoofer speaker (or powered 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 please pairing the receiver and transmitter.
	- Make sure that the audio amplifier with transmitter is turned on.
	- Make sure that the correct input is selected on your home theater receiver.
	- Turn up the volume on the home theater receiver.
	- If you are using the 5.1/7.1 AV receiver with WSA-5TR wireless subwoofer speaker kit, please make sure to set the correct mode on your AV receive to turn on the subwoofer output
	- Make sure that the RCA audio wire connections are correct and secure.
	- Make sure that the wireless transmitter and wireless receiver are both connected to a working power outlet with supported 5V power adaptor
Sound Interference	- Move the transmitter and receiver slowly to find the best reception position for your system
	- Shorten the distance between your transmitter and receiver, the maximum distance is 100 feet (30M)
	- 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 wireless transmitter is more than 18 inches away from any Wi-Fi routers.
	- Other devices such as 5.8G frequency cordless phones may cause interference with the WSA-series 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 receiver	- After the power switches have been turned on on both the wireless transmitter and wireless 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, short press and hold the M button on either the wireless transmitter or wireless receiver for two seconds. (Both the wireless transmitter's and the wireless receiver's M buttons are on the bottom.) This will put the unit into the "pairing/ connection mode" for about 30 seconds. During this period the M button on the other unit must also be pressed for two seconds so that it will also enter "connection mode." The system proceeds with the connection process between the wireless transmitter and wireless receiver. While in "pairing connection mode," the LED indicators blink at a faster rate. When an active link is established between the wireless transmitter and wireless 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 connected correctly.
	- Make sure both wireless transmitter and receiver units are shown same color LED. Solid Blue color (in 5.8G mode status) or Green (in 5.2G mode status)

Technical Specifications

Audio Transmission: Digital, uncompressed, bidirectional, adaptive FHSS

Radio Frequency: 5.8G Mode - RF channel 5727~5848

5.2G Mode - RF channel 5157~ 5243

Sampling Rate: 24bit, 48KHz

Transmitter Operating Range: Max 100 ft - line of sight (best result)

Max. 50 ft - through walls and ceilings (not recommend)

Frequency Response: 10Hz ~ 20 kHz

Signal-to-Noise Ratio: >80dB

Audio Max Output Level:2V

Total harmonic distortion: typ. -90 dB

Transmitter Input Voltage Level: 0.7 Vrms

Receiver Output Voltage Level: 0.7Vrms

Max. Number of Receivers per Transmitter: 4

Channel Separation: typ. 90 dB

Dimensions (transmitter & receiver): 3.15" x 2.44" x 1.06"(80mm x 62mm x 27mm)

Contact Us:

For service and support, please contact **support@dynastyaudio.com**

FCC

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. 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. 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.

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.

If you cannot eliminate the interference, the FCC requires that you stop using your product. Changes or modifications not expressly by the party responsible for compliance could void the user's authority to operate the equipment.

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