

Technical Specifications

Audio transmission: Digital, uncompressed, bidirectional, adaptive FHSS

Transmitter frequency: 5.8 GHz

Transmitter operating range:

Max 100 ft - line of sight (best result)

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

Frequency response: 10Hz ~ 23KHz

Signal-to-noise ratio: >80dB

Audio Output Level: 2V

Total harmonic distortion: typ. -90 dB

Transmitter input voltage level: 0.7 Vrms

Receiver output voltage level: 1.1 Vrms

Max. number of receivers per transmitter: 4

Transmitted data rate: 5 Mbps

Channel separation: typ. 90 dB

Dimensions (transmitter & receiver): 2.6" x 2.3" x 1.1" (66mm x 59 mm x 29 mm)

DYNASTY PROAUDIO

WSA-5TR 5.8G WIRELESS SUBWOOFER/SURROUND SPEAKERS



Tired of running cables around doors or hiding under carpet to connect your subwoofer or rear surround speakers to the receiver? Or having limited options on subwoofer/surround speakers placement due to cable length and component location? The WSA-5TR providing premium-quality audio for stereo audio applications operating in the 5.8GHz bands. Simply connect the transmitter module to you're AV processor and the receiver to your powered/ active subwoofer/surround speakers.

Features:

*45 channel selection – auto or need to set-up

*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. USB cable (e) x 2
6. RCA to Mini Phone Jack Cable x 1
7. Owner's Manual

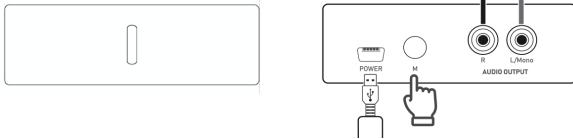
DYNASTY PROAUDIO

www.dynastyproudio.com

Pairing the Transmitter and Receiver

**For the best audio signal quality results, please ensure that there are no obstacles to install within 50~100 feet operation distance between the transmitter and receiver/ speakers with line-of-sight (no walls or solid barriers)

*The transmitter and receiver are automatically paired and synced as the factory with blue LED on solid when powered on



*Successful pairing will be indicated by a steady blue light on the transmitter and receiver.

*The transmitter and receiver have a pairing button on the back panel with 45 channel auto selection, if you experience any interference, or the flashing light indicates the units are not paired. Simply press and hold the M button on both units for 5 seconds, both will blink a few times then turn solid blue when they are successfully paired.

FCC STATEMENT

1. 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.
2. 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.

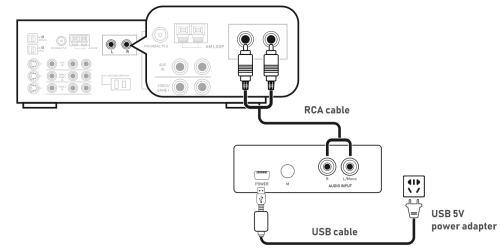
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment 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.

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

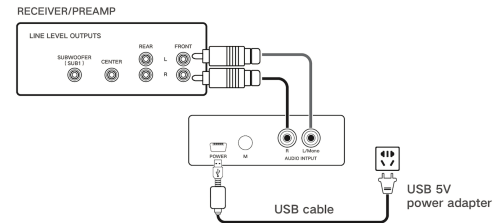
Application 1: WSA-5TR with an 5.1/7.1 AV Receiver or Surround Processor



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 an 120V 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

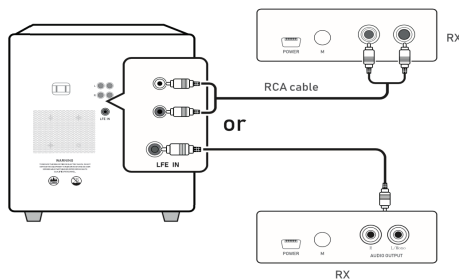
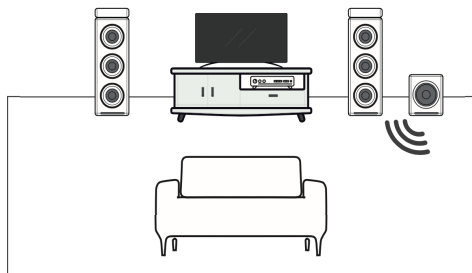
*Leave right RCA plug unconnected if you have a mono source

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 Surround Speakers

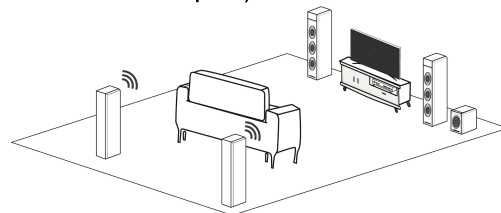
Application 1: WSA-5TR Wireless Receiver with a Powered/Active Subwoofer



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.

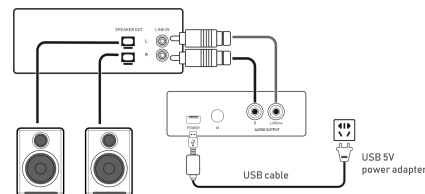
If you're using a different sub that only has a single LFE input, connect the same color RCA that you used for your AV Receivers SUB / LFE out, and leave the other unplugged on the WSA-5TR audio output and subwoofer audio input

Application 2: WSA-5TR with a Powered/Active Surround Speaker (Or the loudspeakers with their own amplifier)



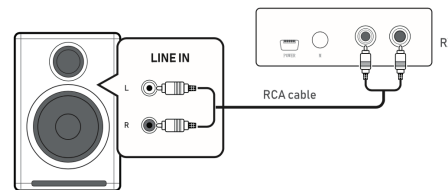
Option A: connecting with 2 channels stereo amplifier + Passive Speaker -

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 Surround 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.



Troubleshooting

Please read this User Guide carefully before using your wireless subwoofer speaker kit. Check this list for a possible troubleshooting solution before e-mail for service

Problem	Solution
No Sound	<ul style="list-style-type: none">-Make sure that all the cables are connected correctly.- Make sure that the audio transmitter (TX) is connecting to the audio output from your audio device like AV receiver, amplifier, mixer..etc.- Make sure that the audio receiver (RX) is connecting to your audio input from the power subwoofer, active speakers or amplifier.- Check to see if the LEDs illuminate on the front of both the transmitter and receiver units. If the LEDs are shown in solid blue, the communication is working correctly and all wires and the amplifier operation should be checked. If the LEDs are flashing, refer to the "No communication between the transmitter and receiver", then please pairing the receiver with the transmitter.
Sound interference	<ul style="list-style-type: none">- 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.- Check to determine if there are any obstacle, or obvious radio frequency interference sources near your system.