NERO WSA WIRELESS SUBWOOFER ACCESSORY

USERS GUIDE

INCLUDED IN BOX:

- (1) WSA RX Receiver
- (1) WSA TX Transmitter
- (1) 5.9V DC Adapter
- (1) Mounting Bracket

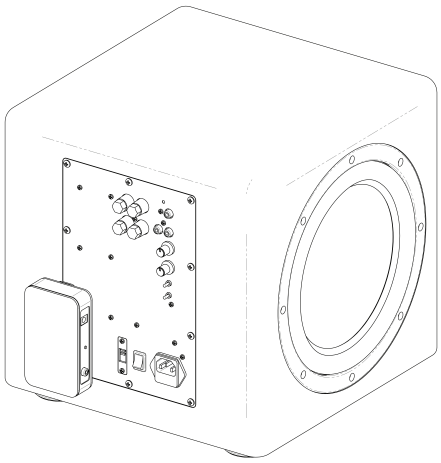
FEATURES:

• **Connection Reliability:** The W-TX and W-RX utilize a sophisticated frequency hopping algorithm at 5.8 GHz and dual antenna diversity for best in class reliability. These devices will never interfere with ZigBee, Z-Wave, Bluetooth,® WiFi,® or other wireless protocols in the crowded 5.8GHz channel.

• **Easy One-Time Pairing:** Pairing is as easy as plugging in and pressing a button. Once paired, the devices will stay paired even if the power goes out.
Versatile Mounting: The included mounting bracket is designed to mount to the back of a sub, wall, or other surface mount. The versatile hole pattern allows for a wide range of installation scenarios.

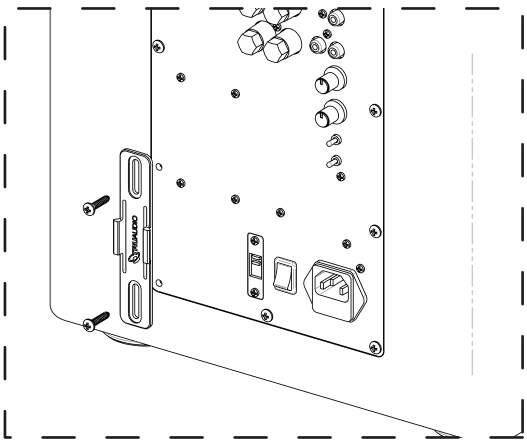
MOUNTING TO SUBWOOFER:

Each WSA TX & WSA RX comes with an included bracket for mounting to a subwoofer, flat surface or other applicacations. Follow these steps to install a receiver to the back of a subwoofer.



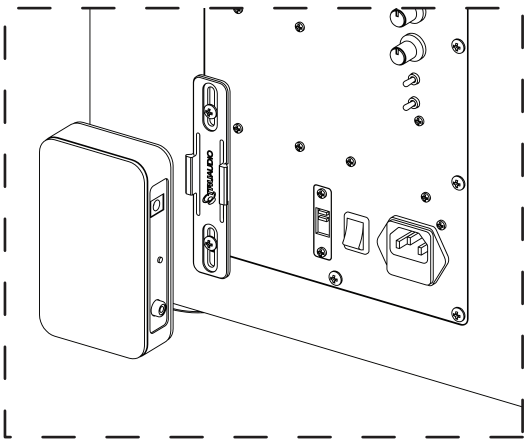
Step 1:

Remove two screws that mount the sub amp to the cabinet. Install the bracket by inserting the screws through bracket and back into the original holes. The WSA RX bracket has slots that will work with a wide range of hole patterns. We recommend you use two screws in near a corner away from the electrical components.



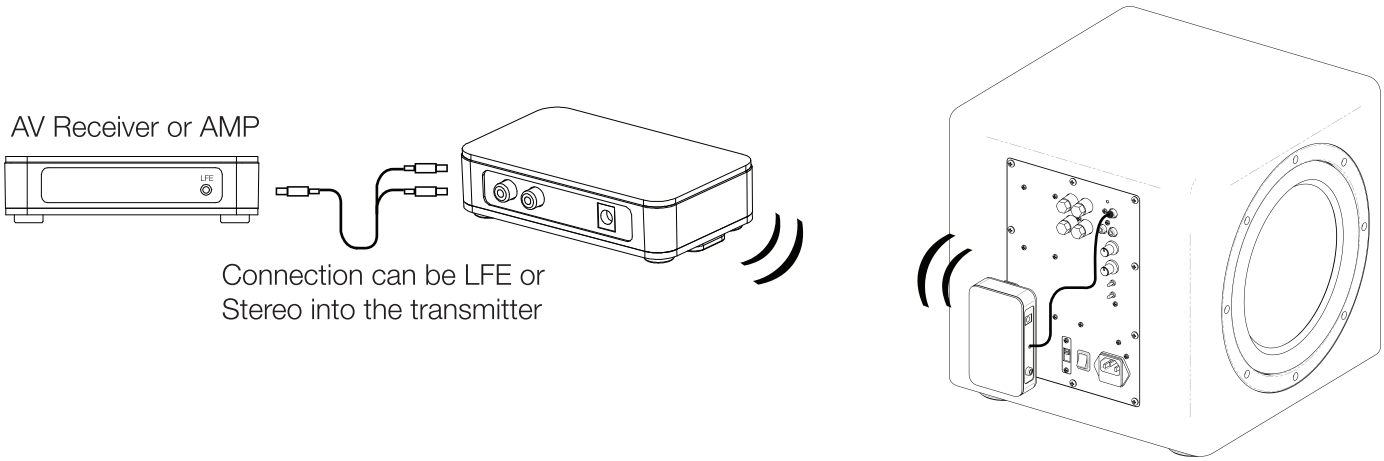
Step 2:

Attach the WSA RX to the bracket with a firm press. The unit will snap into place. Use an RCA cable and the provided power cable to complete the install.



CONNECTING:

For best results use high quality, low impedance, shielded RCA connectors. For stereo inputs connect to the RCA Audio In jack. This can be connected to line level outputs on a source device such as a TV or AV receiver. When connecting a LFE or mono source, use the R channel of the Audio In RCA jack. For some subwoofers, you can use a Y connector to connect a LFE/mono sub out to both the L and R channels of the RCA input to get more volume. Refer to the diagram below for the system connections.



WIRELESS RANGE:

The line of sight rang for these devices are a 150 ft. Meaning in an open environment without obstacles in-between, the transmitter and receiver will work at distances of 150 ft. A worst case scenario indoors you may only see around 50 ft of range. In our real world testing we have found these devices to work solidly at 75 ft. The range of your install will vary based on environment, but you should be able to see a typical range between 50 ft and 75 ft for most indoor applications.

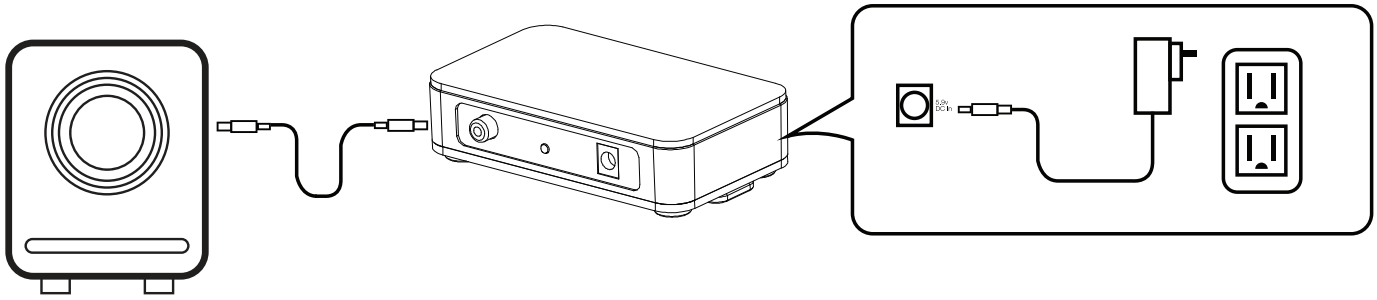
PAIRING INSTRUCTIONS:

For Pairing With The WSA TX:

1. On the WSA RX receiver, connect the Sub Out output to the LFE/Mono input on the sub amplifier.

2. On the WSA TX transmitter, connect an audio source to the Audio In RCA jack. For LFE/mono signals use the L channel of the RCA jack.

3. Plug in the power supplies to the wall outlet, but wait to apply power.



4. On the WSA RX receiver, power the device by applying the 5.9V DC in.

5. Press the Pair button on the WSA RX.

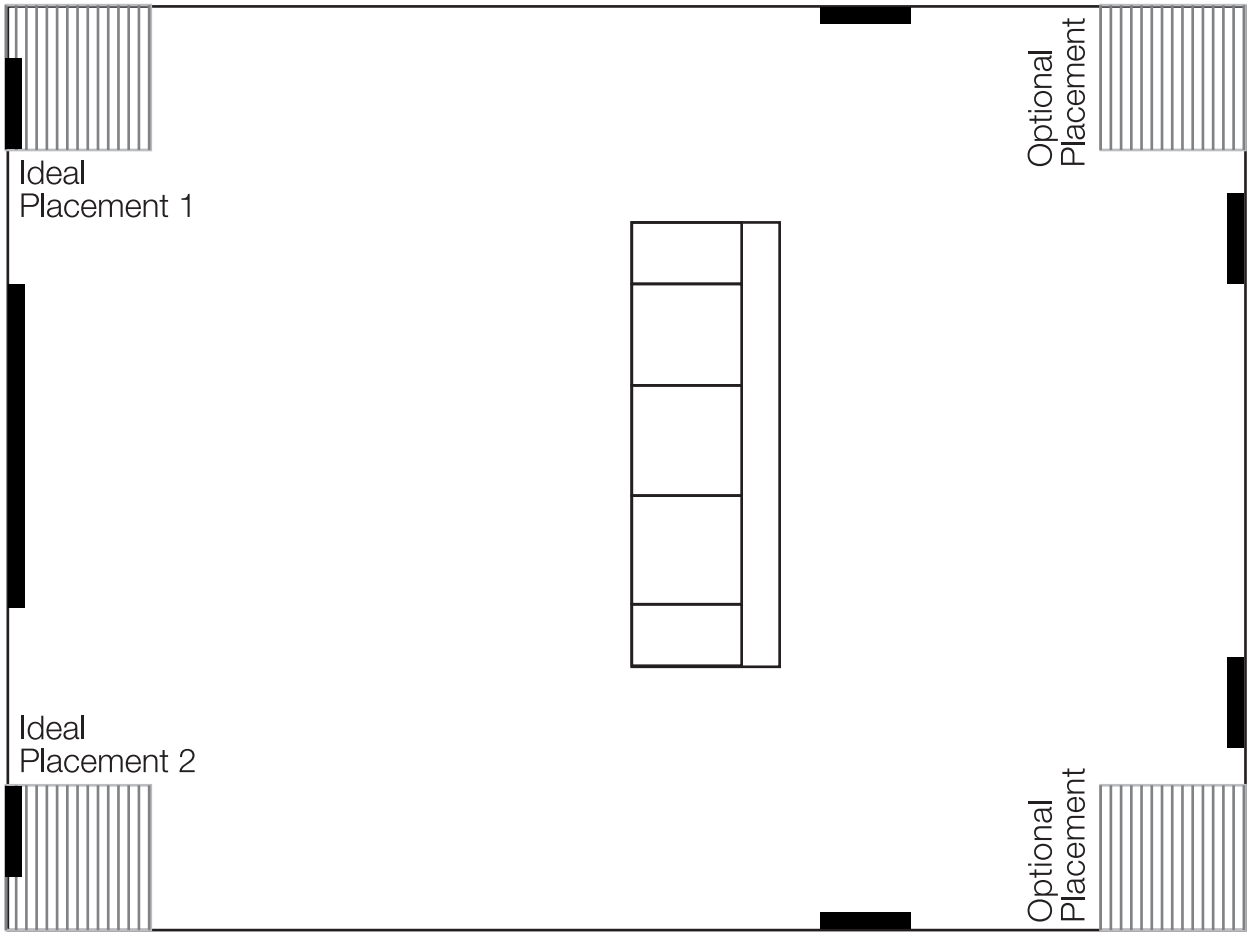
6. Within 10 seconds of pressing Pair on the receiver, power on the WSA TX transmitter by applying the 5.9V DC in. Note: During the boot up process the WSA TX searches for the WSA RX in Pair mode and connects automatically.

7. The LED indicator light will flash while not connected. Once the LED stops flashing and turns solid then the connection is complete.

8. If the Pairing fails, refer to the troubleshooting steps of this guide.

SUBWOOFER PLACEMENT:

Subwoofer placement can vary greatly depending on the acoustics of a room and the listening positions. As a general guideline the corner of a room will produce the most bass. We recommend choosing the corner closest to the speakers in which the sub will be paired with. For example, if the sub will be paired with the front speakers, place the sub in a front corner. If the sub will be paired with a rear set of speakers, place the sub in a rear corner. Once the wireless kit is installed, it is recommended to listen to the sub in the main listening position to find the ideal placement. Move the sub around about 12” at a time, all the while checking the response in the main listening position. Do this until the desired response is achieved.



TROUBLESHOOTING:

If device fails to connect, first check power connection to ensure each device is powered. The status LED indicator should be blinking if powered on and not connected, solid color if connected. Verify the distance from the transmitter to the receiver. In a typical room the transmitter should be able to transmit to a receiver at a distance up to 50ft (15m).

Walls, furniture, metal racks, or other objects will interfere with the wireless signal transmission path. Shorten the distance between the transmitter and receiver to verify full functionality. If the devices can pair at the shortened distance, then the placement of the receiver is either too far from the transmitter or there are too many objects obstructing the wireless signal path. You can solve this by finding a closer placement for the receiver or one that is less obstructed.

Specifications	
Operating Frequency:	5725-5850MHz
Latency:	16 ms
Supply Voltage:	110 - 240V
Typical Range - Line of Sight:	150 ft (50 m)
Typical Indoor Range:	50 ft (15m)
Audio Sampling:	16 bit, 48khz
Audio Freq Range:	18Hz - 22kHz
Dimensions (WxDxH)	4.5” (115mm) W 2.9” (73mm) D 1.1” (29mm) H

WARRANTY

All OSD AUDIO electronics have (2) year Limited Warranty against defects in materials and workmanship. Proof of purchase must accompany all claims. During the warranty period OSD AUDIO will replace any defective part and correct any defect in workmanship without charge for either parts or labor.

OSD AUDIO may replace returned electronics with a product of equal value and performance. In such cases, some modifications to the mounting may be necessary and are not OSD AUDIO’s responsibility.

Damage to or destruction of components due to application of excessive power voids the warranty on those parts. In these cases, repairs will be made on the basis of the retail value of the parts and labor. To return for repairs, you must email customer service at RMA@audiogeargroup.com for a Returned Merchandise Authorization (RMA) number then the unit must be shipped to OSD AUDIO at the owner’s expense, along with a note explaining the nature of service required. Be sure to pack the product(s) in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

This Warranty Does Not Cover: Damage caused by abuse, accident, misuse, negligence, or improper operation (installation). Any products that have been altered or modified. Any product whose identifying number of decal, serial #, etc. has been altered, defaced or removed. Normal wear and maintenance.

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FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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 and your body.