

SA-15T-PW POWERED SPEAKERS



WWW.SEISMICAUDIOSPEAKERS.COM

OPERATING MANUAL

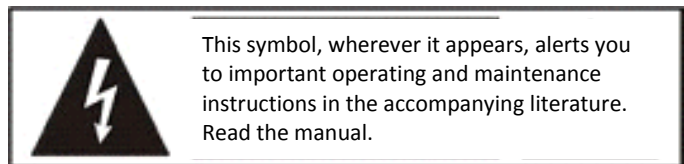
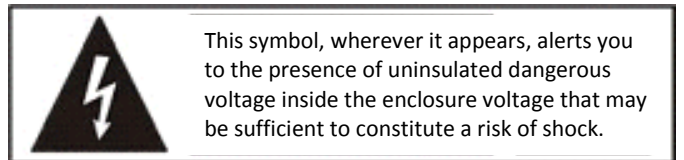




SAFETY INSTRUCTIONS

Caution: To reduce the risk of electrical shock, do not remove the cover (or back). No user serviceable parts inside; refer to servicing to qualified personnel.

Warning: To reduce the risk of fire or electrical shock, do not expose this equipment to rain or moisture.



SA-15T-PW Specs:

Powered 15 Inch PA Speaker Cabinets

MODEL	SA-15T PW (Set of 2)
CONTENTS	Pair of Powered 2-Way 15" PA Speaker Cabinets Mains
CONDITION	New
APPLICATION	PA Speakers / Mains / PA Loudspeakers
ACTIVE/PASSIVE	Active / Powered
WOOFER	15" Loudspeakers
WOOFER SPECS	50 oz Magnet and 2.5" Kapton Voice Coil
TWEETER/HORN	1.5" Titanium Tweeter Driver with 10 oz Magnet and 1" Throat
POWER	350 Watts RMS; 700 Watts Peak each
FREQUENCY RESPONSE	35 Hz - 20 kHz
SENSITIVITY	99 dB
MAXIMUM SPL	120 dB
CONNECTORS	Two Line Input/Output - XLR Combo / Male XLR 3.5 mm Input for MP3, iPod, iPhone
NOMINAL IMPEDANCE	8 Ohms
PORTS	Dual Ports
GRILL	Full Metal Grill
HANDLES	Recessed Metal
COVERING	Black Carpet with Black Metal Corners
ENCLOSURE	MDF (Medium Density Fiberboard) , Plywood Front Panel
POLE MOUNT	Yes
HEIGHT	31.5"
WIDTH	21.25"
DEPTH	15"
WEIGHT	55.5 lbs per Cabinet
WARRANTY	One Year Warranty
SPECIAL FEATURES	Can be Daisy Chained
SPECIAL FEATURES	-Class AB Amplifier -Power Select 110V-120V or 22V-240V Power Supply
SPECIAL FEATURES	3 Band EQ - Treble, Mid, Bass
SPECIAL FEATURES	Gain Control Volume Control

SA-15T-PW Amplifier Controls:

XLR 3-Pin Female / 1/4" Combo Jack Input

XLR 3-Pin Male Output

1 / 4 " Female Line Input

1 / 8 " Female Line Input for MP3

Gain Control Knob

Treble Control Knob

Mids Control Knob

Bass Control Knob

Volume Control Knob

Speakon Power Output

Use this Output jack to power a Non Powered Passive speaker similar to specs of SA-15T-PW. If you connect an 8 ohm speaker to this jack, the built in amp on the SA-15T-PW will change to 4 ohm and double the power output.

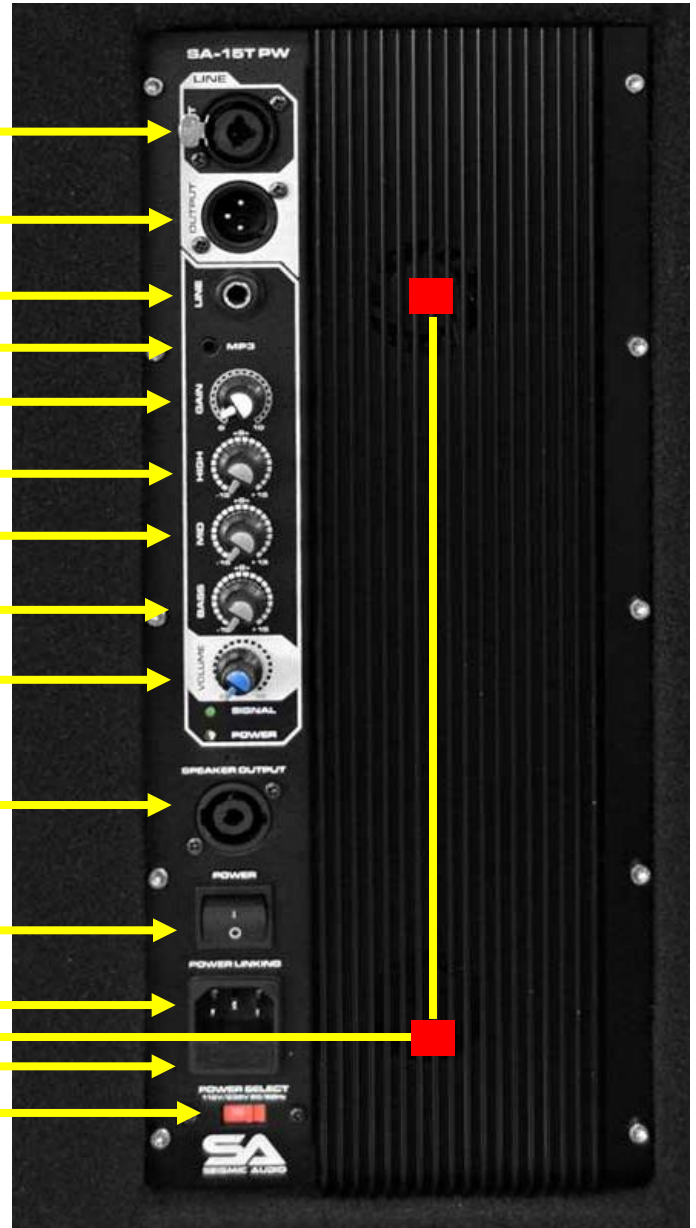
On/Off Switch

AC Adapter Plug

(2) Internal Fans

Fuse Compartment

Voltage Selector Switch



Replacement Parts and Accessories



Titanium Horn / Model: T-Driver

The T Driver will give you the crisp clean highs you desire with a frequency response of 1.5K - 20K and 100 watts RMS. These will fit all horns with a 1 3/8" thread.



Crossover / Model: SACN-153

Replacement Crossover for SA-15T-PW



SA-15T-PW Amplifier

Replacement Amplifier for SA-15T-PW



Non Powered Speaker – Model: SA-15T

Non Powered Version of Identical Speaker for use with the SA-15T-PW



CBulb – Model: CBulb

Replacement Fuse for PWS-15 and PWS-12 Crossover



AmpBulb – Model: AmpBulb

Replacement Fuse for PWS-15 and PWS-12 Amplifier



Replacement Speaker – Model: Quake15

Replacement Speaker for SA-15T-PW



Speaker Stands – Model: SpeakerStands

Speaker Stands for SA-15T-PW



Speaker Cable – Model: SATRXL-M25

XLR 3-pin Male to TRS ¼" Male Balanced cable, 25 ft long.



Speaker Cable – Model: SAXLX-25

XLR 3-pin Male to XLR 3-pin Female Balanced cable, 25 ft long.



Speaker Cable – Model: SATRX-25

¼" TRS Male to ¼" TRS Male Balanced cable, 25 ft long.



Splitter Cable – Model: SAiXLR10

10 ft long XLR Splitter to single 1/8" headphone cable for use with ipods, laptops and mp3 players.

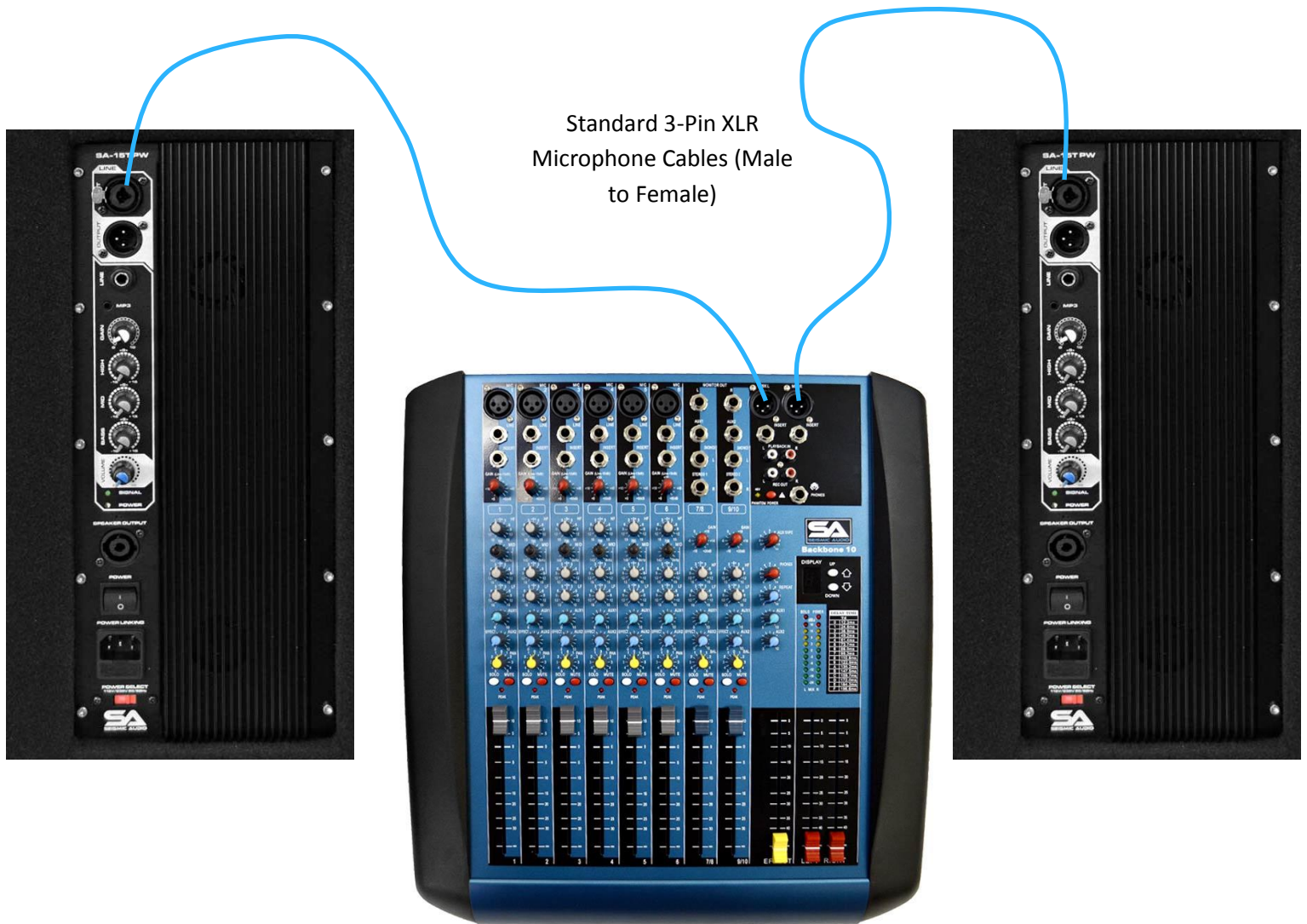


MP3 / Ipod Cable – Model: SA-iE10

10 ft 1/8" to 1/8" cable for use with ipods, laptops and mp3 players.

NOTE: Speaker Cabinets, Speaker Control Knobs and other internal component or parts are available by phone order only...

Connection Example 1



This example shows how to connect two SA-15T-PW speakers to a standard Mixer. This application requires (2) XLR 3 pin male to female cables. Seismic Audio offers these cables. The model number is: SAXLX-25.

To start, take the female end of the first cable and insert it into the output jack labeled **MAIN OUT LEFT** on your mixing board. Then insert the male end of the cable into the XLR input of the first or left SA-15T-PW speaker. Repeat these steps using the other cable and insert the female end into the **MAIN OUT RIGHT** on the mixing board, followed by inserting the male end of the cable to the second or right SA-15T-PW speaker.

Connection Example 2

Standard 3-Pin XLR Microphone Cables (Male to Female)

Daisy Chaining Signal from one SA-15T-PW Amp to another SA-15T-PW Amp

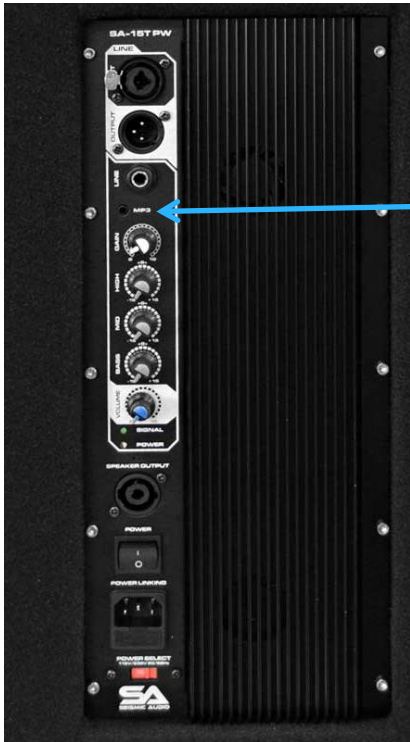


This example shows how to connect two SA-15T-PW speakers to a standard Mixer using one MAIN OUT jack on your mixer. By choosing this method, it will free up one main out jack on the mixing board and allow the SA-15T-PW speakers to be Daisy Chained. This application requires (2) XLR 3 pin male to female cables. Seismic Audio offers these cables. The model number is: SAXLX-25.

To start, take the female end of the first cable and insert it into the output jack labeled **MAIN OUT LEFT** on your mixing board. Then insert the male end of the cable into the XLR input of the first or left SA-15T-PW speaker. Second, insert the female end of the second XLR cable into the XLR output jack of the first SA-15T-PW. Lastly, insert male end of the XLR cable into the XLR input jack on the second SA-15T-PW speaker.

Connection Example 3

Connecting a SA-15T-PW speaker to any headphone jack device using a 1/8" to 1/8" cable



Insert a 1/8" cable into the MP3 line input on the SA-15T-PW speaker and plug the other end into any device that accepts the 1/8" headphone connection. See Seismic Audio Part # SA-iE25 for 1/8" cable.

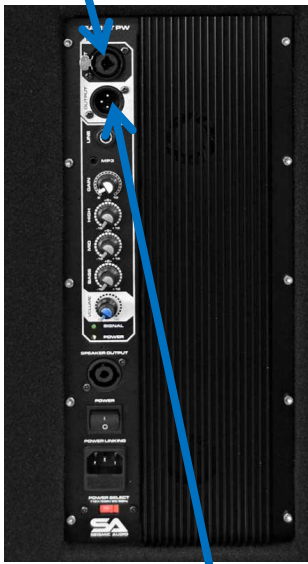
Example cable:



Connection Example 4



Use the Seismic Audio cable: SAXFRM-2x5 to plug your DJ Controller or any other RCA output device into the XLR inputs of the SA-15T-PW speakers.



Adding Powered Sub Woofers to a SA-15T-PW speaker can be done easily by inserting a standard XLR 3 pin male to female cable between the SA-15T-PW speaker output into the Subwoofers XLR input.

(See Diagram)



Connection Example 5

Connecting a SA-15T-PW to a
Passive Speaker



SA-15T-PW Powered Speaker



SA-15T Non-Powered Speaker



The SA-15T-PW have the option to power a passive speaker. The passive speaker needs to be rated at 8 ohm and close to the same spec ratings as the powered speaker. To connect a passive speaker to the SA-15T-PW; Connect a Speakon cable into the Active Output Jack on the SA-15T-PW and insert other end to either the speakon or 1/4" input on a passive speaker. After doing this, the passive speaker sound should be similar to SA-15T-PW speaker. The SA-15T-PW amp changes from an 8 ohm load to a 4 ohm load and doubles the power output to ensure each speaker cabinet is getting the same power.

Frequently Asked Questions

- Can you run a subwoofer off of the “Speakon Active Output” jack?
 - Answer: The SA-15T-PW was designed to power another 15” PA speaker that has equal power watt ratings. It is not recommended to run another speaker that is rated more power or is larger than the SA-15T-PW ratings.
- How much Power does the “Speakon Active Output” jack send to a passive speaker?
 - Answer: The SA-15T-PW amplifier runs an 8 ohm load. When an 8 ohm passive speaker is connected, the amplifier switches to 4 ohm and doubles the power.
- How do I daisy chain other powered or active speakers?
 - Answer: You can daisy chain other powered speakers by using the XLR inputs and XLR outputs on the SA-15T-PW speakers.
- Why is my second SA-15T-PW speaker not working? I have one SA-15T-PW speaker connected to my mixer with a ¼” cable and I have an XLR cable connected from the SA-15T-PW speaker 1 XLR output to the XLR Input of SA-15T-PW speaker 2.
 - Answer: Daisy chaining the signal to a second SA-15T-PW speaker only works when you are using the XLR jacks only for input and output.
- What is the difference between the gain knob and volume knob? They seem to both do the same thing.
 - Answer: The gain knob controls the level or strength of signal before the signal is amplified. The gain setting determines how clean or dirty your sound is. The Volume knob controls the power amp and the strength of the sound.
- When I plug a microphone into the input jack, I can barely hear it, why is that?
 - Answer: The input jacks on the SA-15T-PW are not meant for line level microphones to be connected. The signal from the microphone will not be hot enough. If you need to run a microphone, it is recommended add a small sound board or mixer to your SA-15T-PW speakers.
- Will the XLR jacks pass through a signal if the speaker is turned off?
 - Answer: Yes, The XLR jacks do act as a pass through.
- Can you use these speakers with an external power amplifier?
 - Answer: No, hooking an external power amplifier to these speakers will damage both the built in amplifier and speakers.