

# MAINSHOCK-15 / MAINSHOCK-12 POWERED SPEAKERS

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## 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 servicing to qualified personnel.

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



This symbol, wherever it appears, alerts you to the presence of un-insulated dangerous voltage inside the enclosure voltage that may be sufficient to constitute a risk of shock.

This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Read the manual.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



## MAINSHOCK-15 Specs:

<b>MODEL</b>	<b>MainShock-15</b>
<b>CONTENTS</b>	15" Premium PA/DJ 2-Way Active Loudspeaker
<b>CONDITION</b>	New
<b>APPLICATION</b>	Main / PA Loudspeaker / Monitor
<b>ACTIVE/PASSIVE</b>	Active / Powered
<b>WOOFER</b>	15" Loudspeaker
<b>WOOFER SPECS</b>	50 oz Magnet and 3" Voice Coil
<b>TWEETER/HORN</b>	Titanium Compression Driver with Wide Dispersion Horn
<b>COVERAGE PATTERN</b>	90° x 45°
<b>POWER</b>	600 Watts RMS
<b>FREQUENCY RANGE</b>	40 Hz - 22 kHz
<b>FREQUENCY RESPONSE</b>	45 Hz - 20 kHz
<b>SENSITIVITY</b>	99 dB
<b>CROSSOVER FREQUENCY</b>	2.5 kHz
<b>MAXIMUM SPL</b>	130 dB
<b>CONNECTORS</b>	Input - XLR / 1/4 Inch Combo Jack and RCA Output - XLR Male Output
<b>NOMINAL IMPEDANCE</b>	8 Ohms
<b>PORTS</b>	Yes
<b>GRILL</b>	Full Metal Grill with Acoustical Foam Backing
<b>HANDLES</b>	Yes, Side Handle
<b>MOLDING</b>	Lightweight ABS Plastic Cabinet with Feet
<b>POLE MOUNT</b>	Yes
<b>HEIGHT</b>	28.5"
<b>WIDTH</b>	19.5"
<b>DEPTH</b>	15.5"
<b>WEIGHT</b>	47.4 lbs per Cabinet
<b>SPECIAL FEATURES</b>	Mic / Line Switch
	Boost / Flat / Cut Switch
	Power Switch
	Fuse Protection
	Master Volume Control
	2 Band Equalizer
	-Bass
	-Treble
	Class AB Amplifier with Cooling Fan
	Can be Daisy Chained
	Angled Side for Monitor Use
<b>WARRANTY</b>	One Year Warranty

## MAINSHOCK-12 Specs:

<b>MODEL</b>	<b>MainShock-12 (Pair)</b>
<b>CONTENTS</b>	Pair of 12" Premium PA/DJ 2-Way Active Loudspeakers
<b>CONDITION</b>	New
<b>APPLICATION</b>	Mains / PA Loudspeakers / Monitors
<b>ACTIVE/PASSIVE</b>	Active / Powered
<b>WOOFER</b>	12" Loudspeakers
<b>WOOFER SPECS</b>	50 oz Magnet and 3" Voice Coil
<b>TWEETER/HORN</b>	Titanium Compression Driver with Wide Dispersion Horn
<b>COVERAGE PATTERN</b>	90° x 45°
<b>POWER</b>	500 Watts RMS
<b>FREQUENCY RANGE</b>	42 Hz - 22 kHz
<b>FREQUENCY RESPONSE</b>	48 Hz - 20 kHz
<b>SENSITIVITY</b>	98 dB
<b>CROSSOVER FREQUENCY</b>	2.5 kHz
<b>MAXIMUM SPL</b>	128 dB
<b>CONNECTORS</b>	Input - XLR / 1/4 Inch Combo Jack and RCA Output - XLR Male Output
<b>NOMINAL IMPEDANCE</b>	8 Ohms
<b>PORTS</b>	Yes
<b>GRILL</b>	Full Metal Grill with Acoustical Foam Backing
<b>HANDLES</b>	Yes, Side Handle
<b>MOLDING</b>	Lightweight ABS Plastic Cabinet with Feet
<b>POLE MOUNT</b>	Yes
<b>HEIGHT</b>	24.75"
<b>WIDTH</b>	16.25"
<b>DEPTH</b>	12.75"
<b>WEIGHT</b>	40.8 lbs per Cabinet
<b>SPECIAL FEATURES</b>	Mic / Line Switch Boost / Flat / Cut Switch Power Switch Fuse Protection Master Volume Control 2 Band Equalizer -Bass -Treble Class AB Amplifier with Cooling Fan Can be Daisy Chained Angled Side for Monitor Use
<b>WARRANTY</b>	One Year Warranty

**MAINSHOCK-15 and MAINSHOCK-12 Amplifier Controls:**

XLR 3-Pin Female / 1/4" Male Input

XLR 3-Pin Male Output

Boost / Flat / Cut Switch

Mic / Line Switch

RCA Input

1 / 8 " Female Line Input for MP3

1 / 4 " Female Line Input

Treble Control Knob

Bass Control Knob

Volume Control Knob

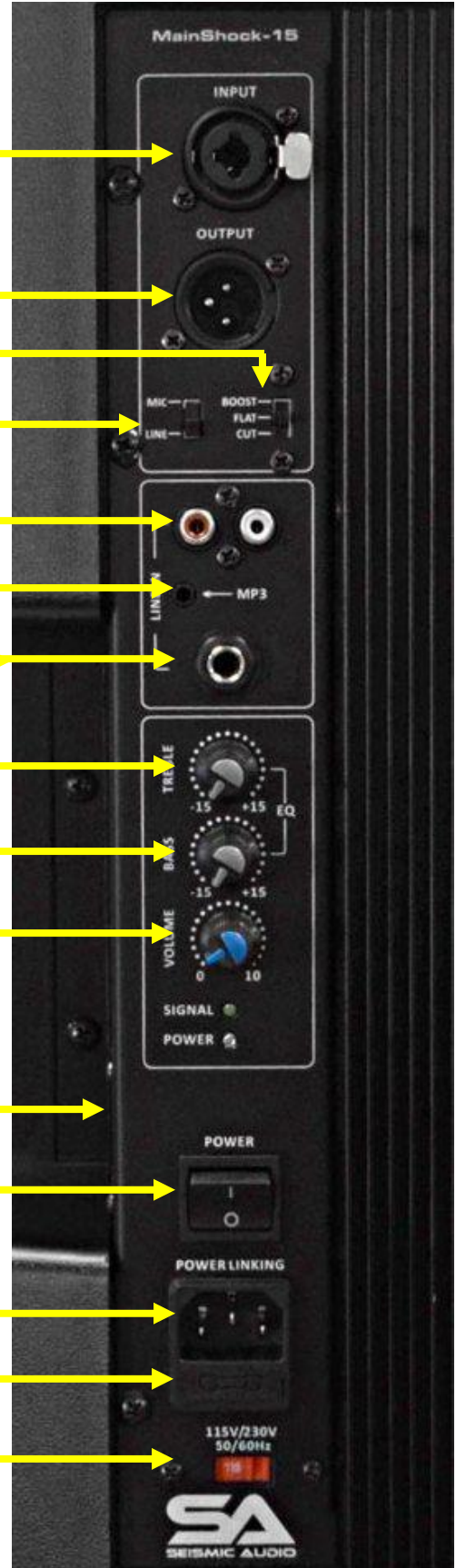
Internal Fan

On/Off Switch

AC Adapter Plug

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 a MainShock



### *Mainshock Amplifier*

Replacement Amplifier for a MainShock



### *CBulb – Model: CBulb*

Replacement Fuse for a MainShock Crossover



### *AmpBulb – Model: AmpBulb*

Replacement Fuse for a MainShock Amplifier



### *Replacement Speakers – Model: Denali*

Replacement Speaker for Mainshock-15 / Mainshock-12



### *Speaker Covers – Model: P15Cover or P12Cover*

Speaker Cover for a MainShock



### *Speaker Stands – Model: SpeakerStands*

Speaker Stands for Mainshocks



### *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: SAiXLRy10*

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

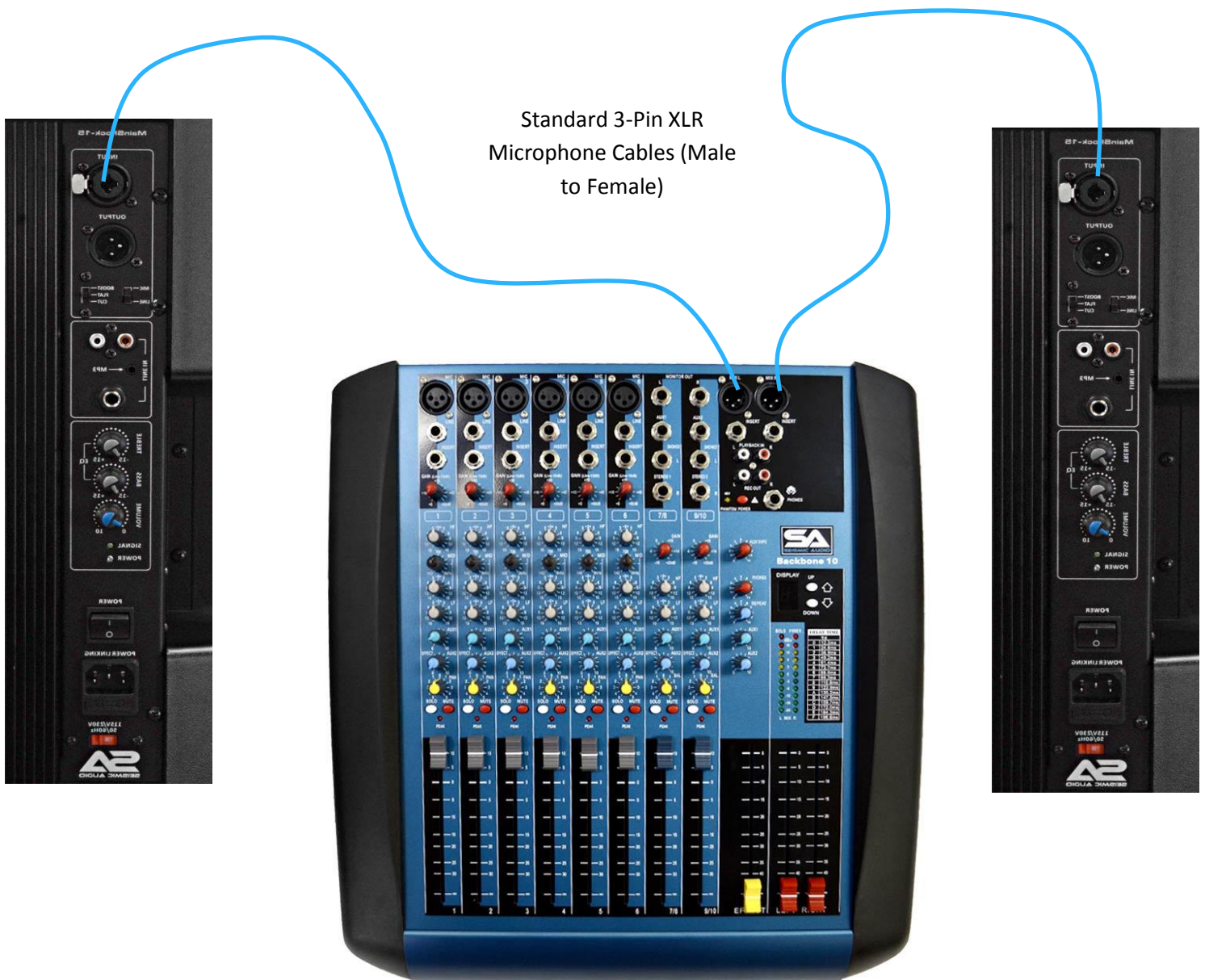


### *MP3 / Ipod Cable – Model: SA-iE10*

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

*NOTE: Speaker Cabinet Molds, 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 MainShock 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 MainShock 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 MainShock speaker.



## Connection Example 2

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

Daisy Chaining Signal from one MainShock Amp to another MainShock Amp



This example shows how to connect two MainShock 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 MainShock 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 MainShock speaker. Second, insert the female end of the second XLR cable into the XLR output jack of the first MainShock. Lastly, insert male end of the XLR cable into the XLR input jack on the second MainShock speaker.

### Connection Example 3

Connecting a Mainshock 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 MainShock 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 MainShock speakers.



Adding Powered Sub Woofers to MainShock speakers can be done easily by inserting a standard XLR 3 pin male to female cable between the MainShock speaker output into the Subwoofers XLR input.

(See Diagram)



## Frequently Asked Questions

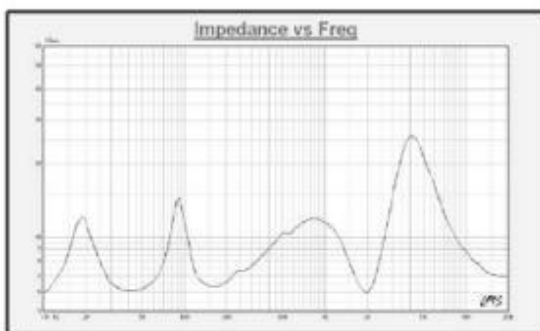
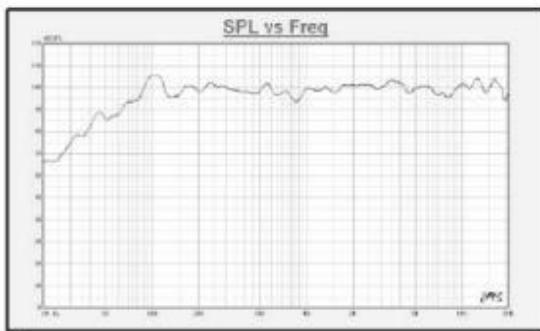
- How do I daisy chain other powered or active speakers?
  - Answer: You can daisy chain other powered speakers by using the XLR inputs and XLR outputs on the MainShock speakers.
- Why is my second MainShock speaker not working? I have one MainShock speaker connected to my mixer with a ¼" cable and I have an XLR cable connected from the MainShock speaker 1 XLR output to the XLR Input of MainShock speaker 2.
  - Answer: Daisy chaining the signal to a second MainShock 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.
- 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.
- How do you open up the cabinet to work on it?
  - Answer: There are multiple phillip head screws around both sides on the back side of the speaker. There are also two screws at the top rear and two screws on the bottom rear that must come out. This will require an extension bit or long handle screw driver.
- Can I hook up a MainShock to my Home Audio Receiver or DVD/Blue Ray Player?
  - Answer: Yes, you can use a standard Red/White RCA cable(s) to connect on RCA input jacks on the MainShock Speaker to the other audio/video RCA output device.
- What are the frequency settings for the DSP switch?
  - Answer: Frequency Range for DSP switch:  
*Flat - ODB*  
*Boost - (2K-20K) / 3.5 db Increase*  
*Cut - (2K-20K) / 1.5 db Reduction*

## Key Features

- Premium Active loudspeaker
- 15 Inch high performance low-frequency driver
- 3 Inch voice coil
- 90° x 45° coverage
- BI-AMP Design
- DSP function
- Amplifier with cooling fan



## Frequency Response & Impedance



## Specifications

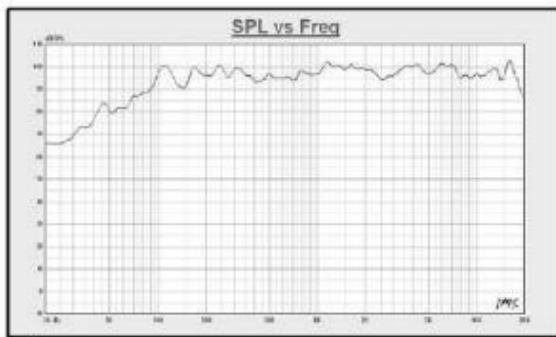
Frequency Range (-10dB):	40 Hz ~ 20 kHz
Frequency Response (±3dB):	45 Hz ~ 19 kHz
Coverage Pattern:	90° x 45°
Crossover Frequency:	2.5 kHz
Power Rating:	300W / 600W
Maximum SPL:	130 dB
LF Driver:	3" voice coil
HF Driver:	1" compression driver
Nominal Impedance:	8 ohm
Enclosure:	ABS injection, multi-purpose main & monitor orientation
Transport:	Handle
Grille:	Powder coated, with acoustical transparent charcoal foam backing
Amplifier type:	Class AB
Input Connectors:	Multi-function Cannon, RCA, TRS 6.35, Mp3
Functions:	2 Band EQ
Dimensions (W x D x H):	493x391x724(mm) / 19.4x15.4x28.5 (in)
Net Weight:	21.5 Kgs / 47.4 Lbs

## Key Features

- Premium Active loudspeaker
- 12 Inch high performance low-frequency driver
- 3 Inch voice coil
- 90° x 45° coverage
- BI-AMP Design
- DSP function
- Amplifier with cooling fan



## Frequency Response & Impedance



## Specifications

Frequency Range (-10dB):	42 Hz ~ 20 kHz
Frequency Response ( $\pm 3$ dB):	48 Hz ~ 19 kHz
Coverage Pattern:	90° x 45°
Crossover Frequency:	2.5 kHz
Power Rating:	250W / 500W
Maximum SPL:	128 dB
LF Driver:	3" voice coil
HF Driver:	1" compression driver
Nominal Impedance:	8 ohm
Enclosure:	ABS injection, multi-purpose main & monitor orientation
Transport:	Handle
Grille:	Powder coated, with acoustical transparent charcoal foam backing
Amplifier type:	Class AB
Input Connectors:	Multi-function Canon, RCA, TRS 6.35, Mp3
Functions:	2 Band EQ
Dimensions (W x D x H):	410x326x629(mm) / 16.1x12.8x24.8 (in)
Net Weight:	18.5 Kgs / 40.8 Lbs
	Multi-function Canon, RCA, TRS 6.35, Mp3