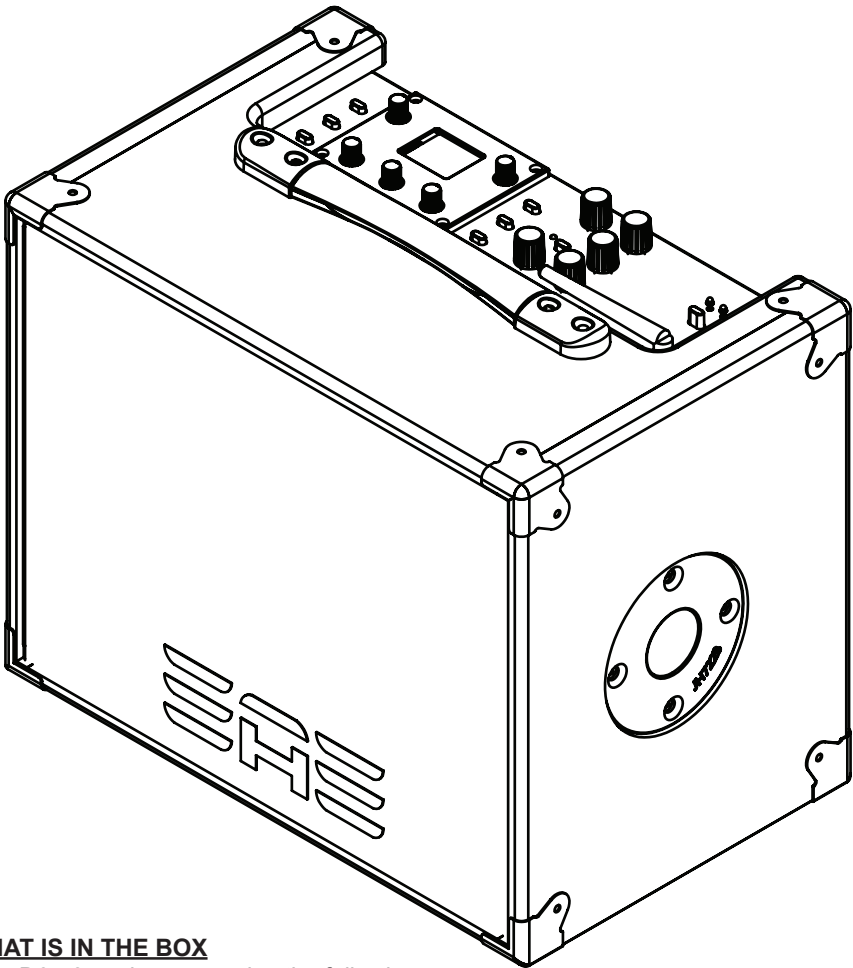


Elite Acoustics Engineering D6-58 120W Lithium Battery Powered Acoustic Amplifier with 6 Channels, Digital Mixer & Effects, and Bluetooth®

Quick Guide Handbook version v1.01



WHAT IS IN THE BOX

Your D6-58 package contains the following:

- (1) Speaker
- (1) AC to 12VDC Power Supply Adapter

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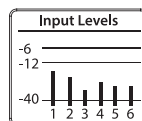
NOTE: Due to continuous development and improvements of our products, features and specifications are subject to change without notice. All weights and measures are approximate.

For a copy of the complete User's Manual, please visit: www.eliteacoustics.com - July 08, 2019

QUICK START MIC AND ACOUSTIC GUITAR

In this example we connect an acoustic guitar to Chan 1, and a Mic to Chan 2.

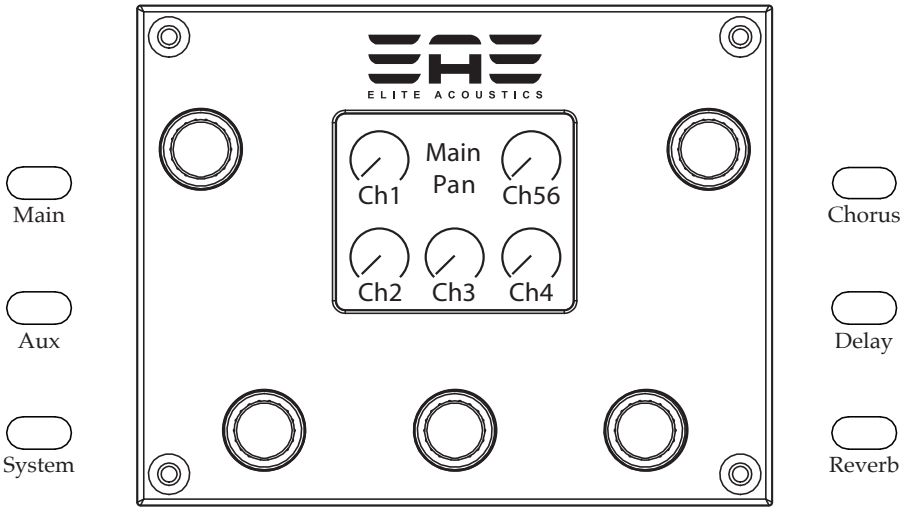
1. Set Battery Switch to “Connect”
2. With “Speaker Volume” turned down, Turn “Power Switch” to “On” position.
3. Connect the Line Level Output of your acoustic guitar into Chan 1, Line 1/4” input jack. Note: Chan 1 Source is set to “Mic/Line.”
4. Connect your Mic to Chan 2, XLR input jack. Note: Chan 2 Source is set to “Mic/Line.”
5. Set input levels. Press “System”; the LCD shows a level bar graph for each channel. Adjust rear panel “Gain” control until the display shows -12dB for Guitar and Mic.
- 5A. Adjust Master Volume for desired output level.
6. Set Mic Mix, EQ, and Reverb.
- 6A. Press “Main” adjust chan 2 encoder to +9, i.e., approximately 75% of max level.
- 6B. Press Chan 2 Encoder: LCD shows EQ parameters for Chan 2. Adjust 5 encoders as necessary to set your EQ. For our example we’ll set “LowC” to 180 Hz, “Low” to +4.0, “Mid” to +5, “MidF” to 2.0k and “Hi” to +2.0.
- 6C. Press “Reverb” Chan 2 encoder +2.0.
7. Repeat step 6 for Chan 1 (acoustic guitar) Mix, EQ, and Reverb.
8. Start with master EQ, Low, Mid, and High set flat (detent position) and adjust as needed.



To Avoid Distortion:

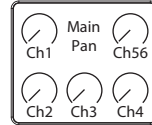
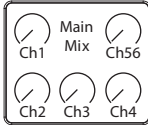
1. Make sure NOT to clip the input Signals.
2. Set input levels. Press “System”; the LCD shows a level bar graph for each channel. Adjust rear panel “Gain” control until the display shows -12dB for Guitar and Mic. inputs.

LCD FUNCTIONS



Menu Buttons with LCD:

Press any of the 6 menu buttons (black button located to the left and right of LCD) or 5 encoders (blue knobs located around LCD) to access and adjust features and settings. Most menus have several pages of options, which are adjusted by turning the corresponding encoder.

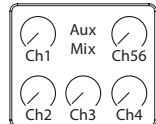


“Main” Page 1: “Main Mix”
Adjust the level of each of the 5 channels.

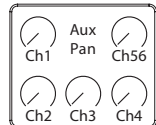
“Main” Page 2: “Main Pan”
Adjust the stereo panning for each of the 5 channels.

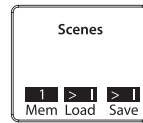
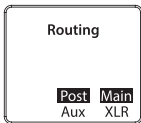


“Aux” : “Aux Mix” Adjust the level of each of the 5 channels sent to the Aux Outputs.



“Aux” : “Aux Pan” Adjust the panning between “Aux Send 1” and “Aux Send 2” for each of the 5 channels.



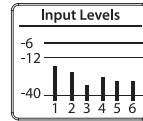
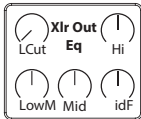


“System” : “Routing”

Assign “Pre” or “Post” fader i.e., “Main Mix” Channel 1 through Channel 6, signals to the Aux Sends. You can also select either “Main” mix or “Aux” mix as the source for the XLR outputs.

“System” : “Scenes”

Save and Recall up to 10 mixes i.e., scenes.

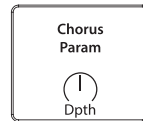
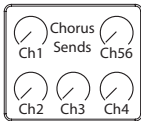


“System” : “XLR out EQ”

Setting for EQ for the XLR outputs when it is SET on “MAIN outputs”

“System” : “Input Levels”

Displays a bar graph for each channel’s input level. Adjust the channel’s “Gain” pot to set desired level.

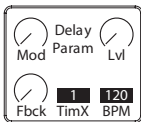


“Chorus” : “Chorus Sends”

Adjust the Chorus level of each of the 5 channels.

“Chorus” : “Chorus Param”

Adjust the Depth of the Chorus for each of the 5 channels.

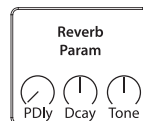
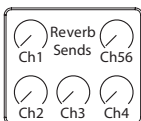


“Delay” : “Delay Param”

Adjust “Modulation,” “Feedback,” “Time Offset,” “BPM” Delay Time, and “Level” of the delay.

“Reverb” : “Delay Routes”

Assign a channel to the delay. Note that this is an “insert” type effect and is intended for a selectable single channel. It precedes the Reverb and Chorus effects.

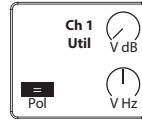
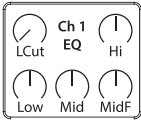


“Reverb” : “Reverb Sends”

Adjust the Reverb level of each of the 5 channels.

“Reverb” : “Reverb Param”

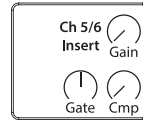
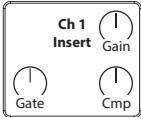
Adjust the Decay and Tone of the Reverb.



“Encoder Select” (press to enable): “Encoder Select” (press to enable):
“Ch 1 EQ” “Ch 1 UTIL

Adjust the EQ settings for which ever channel is selected. (Chan 1- 5/6)

Adjust Phase and Notch Filter level/ Freq. settings for channel selected. (CHAN 1 to CHAN 4)



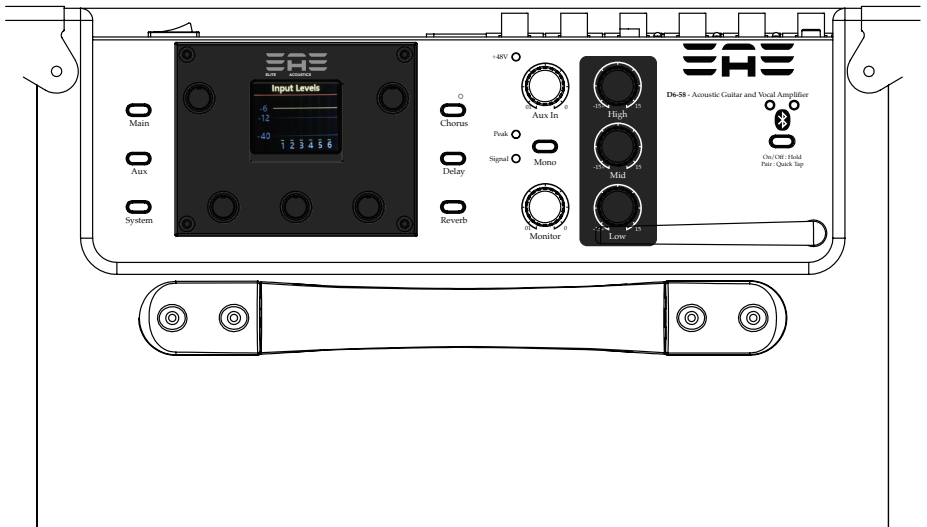
“Encoder Select” (press to enable):
“Ch 1 Insert”

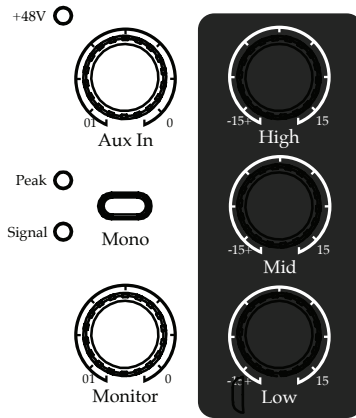
Adjust the Insert settings for the selected channel (Ch.1-4). Note: this includes Gain and Threshold settings as well as an independent Noise Gate.

“Encoder Select” (press to enable):
“Ch 5/6 Insert”

Adjust the Insert settings for Channel 5/6. Note: this includes Gain and Threshold settings as well as an independent Noise Gate.

Reference Diagram





+48V LED [2]: Indicates Phantom Power is on

Monitor Output Controls

Speaker Volume [3]: Control speakers' volume level

Mono [4]: Changes speaker output to Mono sound

Equalizer [5]: Adjust High, Mid, and Low Frequency response

Peak LED [6]: RED indicate Signal Clip

Signal LED [7]: GREEN indicate Signal Present

Aux Input/Level [8]: Connect audio source with 1/8" jack from MP3/CD player

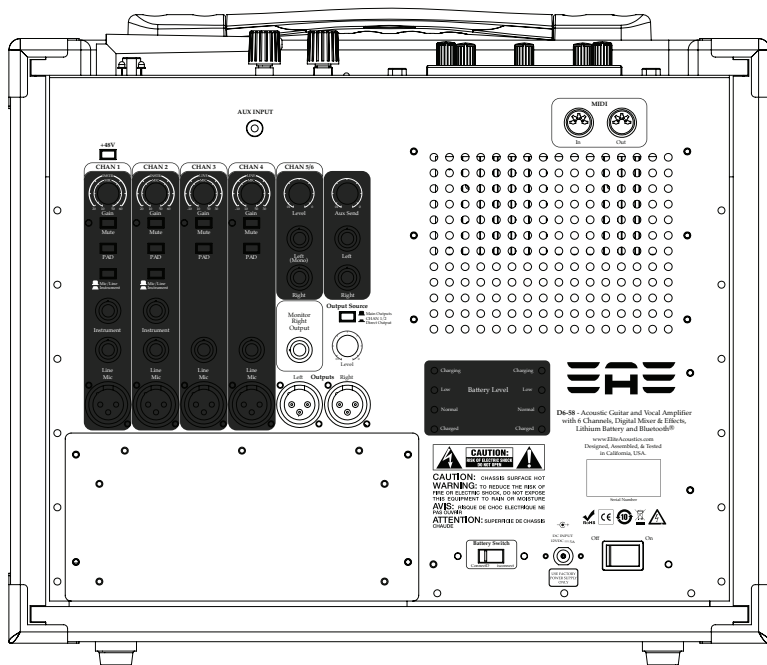


On/Off : Hold
Pair : Quick Tap

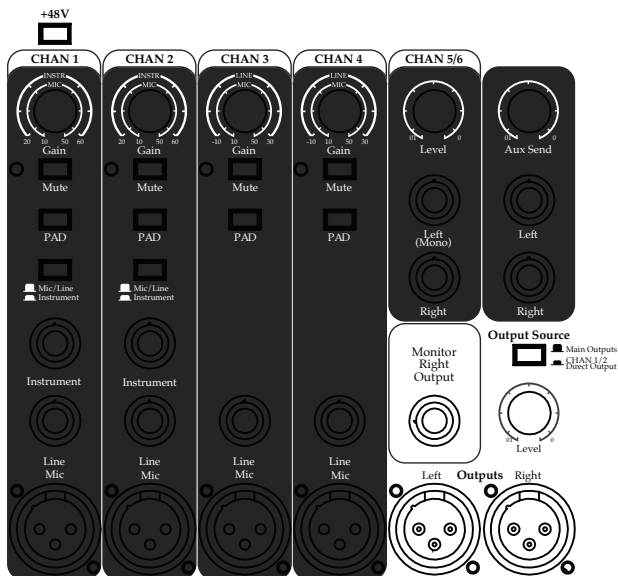
BLUETOOTH® FUNCTION

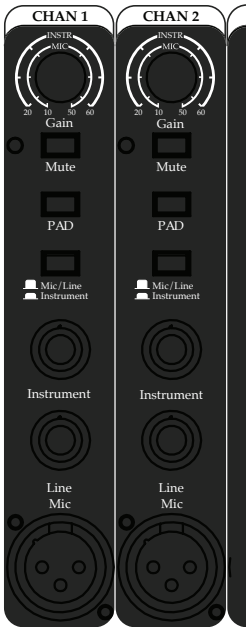
- To turn ON/OFF Bluetooth® function
PRESS/HOLD down MODE button for approximately 5 seconds
Both LEDs will flash at the same time
- To pair device to the speaker system
Bluetooth® needs to be turned ON
QUICK TAP the MODE button once

REFERENCE DIAGRAM



AUX INPUT



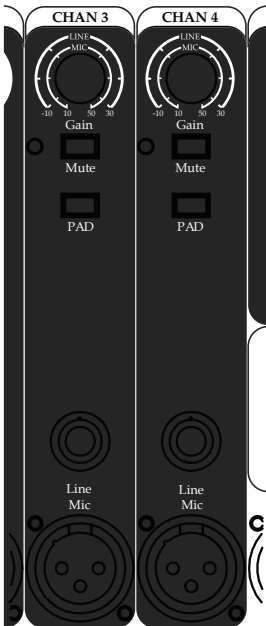


Channel 1

Gain [9]: Gain level control
 Mute [10]: Mute Channel
 PAD [11]: Fixed attenuation to reduce input level
 Source[12]: Select Mic/Line or Instrument input
 Instrument In [13]: 1/4" TRS inputs
 Line In [14]: 1/4" TRS inputs
 Mic In [15]: XLR for Microphone Input

Channel 2

Gain [9]: Gain level control
 Mute [10]: Mute Channel
 PAD [11]: Fixed attenuation to reduce input level
 Source[12]: Select Mic/Line or Instrument input
 Instrument In [13]: 1/4" TRS inputs
 Line In [14]: 1/4" TRS inputs



Channel 3

Gain [9]: Gain level control
 Mute [10]: Mute Channel
 PAD [11]: Fixed attenuation to reduce input level
 Line In [14]: 1/4" TRS inputs
 Mic In [15]: XLR for Microphone Input

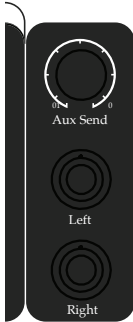
Channel 4

Gain [9]: Gain level control
 Mute [10]: Mute Channel
 PAD [11]: Fixed attenuation to reduce input level
 Line In [14]: 1/4" TRS inputs
 Mic In [15]: XLR for Microphone Input



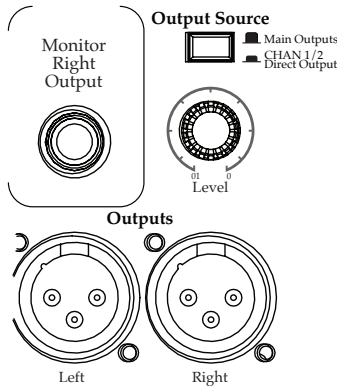
Channel 5/6

Level [26]: Level control
 Left (Mono) [16]: 1/4" balance TRS input
 Right [17]: 1/4" balance TRS input



Aux

Aux Send Level [18]: Aux output level control
 Aux Send 1 [19]: 1/4" balance TRS output
 Aux Send 2 [20]: 1/4" balance TRS output

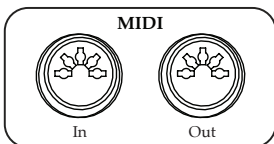


Monitor Output: Connect with extra speakers/monitors

Monitor Right Output [21]: Connect to another speaker using 1/4" TRS

Output Source [22]: Select either Main Mix or Direct Output for Chan 1 & 2

Main Output [23]: XLR Left/Right Output

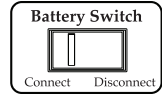


MIDI: MIDI IN/OUT [24]: 5 PIN DIN connectors for MIDI controllers

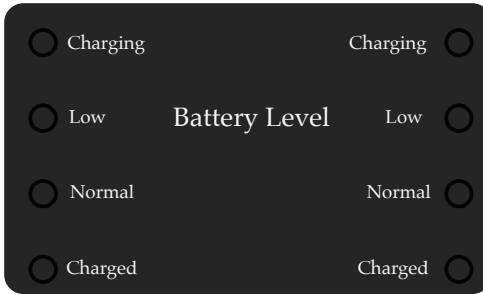
EAE BATTERY & RECHARGING INFORMATION

1. To fully charge a unit –

- Set Battery Switch to “CONNECT”
- Turn Power Switch OFF
- Connect “AC” adaptor to Power Jack.
- Blue “Charge” LED should be lit, Charge time is about 5-6 hours.



- When unit is powered with “AC” adaptor, Battery Switch should be in “CONNECT” position. If unit is always plugged in, it is recommendate to put Battery Switch in Disconnected position, but make sure to recharge unit monthly.
- Battery Switch should be on “DISCONNECT” when unit is packed for transit or unit is in storage. Make sure battery is fully charged before UNIT is put into storage. We recommend fully charging the battery at least once each month.
- Lithium Iron Phosphate (LifePO4) battery lifetime is typically 3 – 4 years depending on usage.
- 5. Recharge Battery every month if not in use.**



FOR MAXIMUM BATTERY LIFE

- Battery TYPE - LifePO4
- Battery METER indicators -
-
- FULLY CHARGED. - GREEN LED ON (will turn off once unit is in use)
- NORMAL - GREEN ON
- NORMAL and LOW -- Both LEDS are ON less then (about 10% - 25%)
- LOW - RED ON (less then 10%)
- CHARGING - BLUE LED ON. (will turn off when Fully Charged)
-
- For Maximum Battery Life
- - Recharge when battery is low.
- - Drain & recharge battery at least once a month
- - Do not leave power switch in the “ON” position when it is not in use.
- - Keep unit in a cool, dry place away from extreme temperatures
- - Do not service, modify, or replace the battery
- - If the battery fails to charge, contact Elite Acoustics
-
- If unit is always plugged in, it is recommendate to put Battery Switch in Dis-connected position, but make sure to recharge unit monthly.

SYSTEM SPECIFICATIONS

- **System Architecture** : Ultra high-speed high-capacity DSP with lossless A/D and D/A conversion. Integrated Digital Mixer supports routing and seamless signal-level management for five fully configurable audio channels. Color Graphic LCD presents a highly intuitive GUI for settings, save & recall, and MIDI functionality.
- **Digital Effects and Controls**: Channel Parametric EQ, Notch Filter, Compressor, Noise Gate, Main and Aux panning, Reverb, Chorus, Delay, Real-Time Chan-Level Bar Graphs, Save & Recall Programs.
- **Analog Master controls**: Master Volume, Mono Switch, Equalizer (Low, Mid, High)
- **Speakers**: 8" Woofer; 5 1/4" woofer, 1" Silk-dome Tweeters
- **Amplifier**: 120W Class D Amplifiers
- **Nominal output levels (1 kHz)**: Right Channel Link out: -10 dBu Main/Direct Output: +4dBu
- **Stereo Inputs**: 1/4" Left/Right input jacks
- **Phantom Power**: +48V
- **Aux in control**: Level knob
- **Displays**: Color Graphic LCD; signal, peak, sys power, phantom power, and batter level LEDs
- **Connectors**: **CH1 & 2**: Input jacks (mic XLR, 1/4" Line, 1/4" Instrument), **CH3/4**: (mic XLR, 1/4" Line), **CH5/6**: Left/Right stereo input (1/4" TRS), **AUX in**: (1/8" jack), Right channel output (1/4"), XLR Direct Out (Chan 1 & 2) or Main Mix outputs, DC in jack
- **Power Switch**
- **Power Supply Adaptor**: DC 12V, 5000mA
- **Built-in Battery**: **11000mAh Lithium Iron Phosphate (LifePO4)**
approximately 4 to 6 hrs play timewith full charge.
- **Other features**:
 - Playback from Bluetooth device
 - Optimized front ports for extended low-frequency response
 - Rechargeable Battery can be recharged from Car battery when using DC car adaptor cord *Optional*
 - Built-in pole-mount, 35mm receptacle on bottom of unit
- **Accessories**: AC cord, AC adaptor, DC cord for the car, Owner's manual
- **Dimensions**: 15.30"WX13.1"Hx9.80"D
- **Weight**: 30 lbs

For a copy of the complete and most updated User's Manual, please visit: www.eliteacoustics.com

CAR ADAPTOR "OPTIONAL"

- Unit can operate normally when plug into the Car Adaptor.
- Battery can also be charged by using the Car Adaptor.
- It is not recommedate that you leave the unit plugged in while car is not running.



Legal Notice: CALIFORNIA PROPOSITION 65 WARNING
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARRANTY (USA ONLY)

Contact the Distributor in your area for service and warranty info.

Elite Acoustics Engineering Inc. warrants this product to be free of defects in material and workmanship (excluding battery) for a period of 1 year from the date of original retail purchase. Elite Acoustics Engineering Inc. warrants the Speaker's Battery for 90 days from the date of original retail purchase. This warranty is enforceable only by the original retail purchaser. To be protected by this warranty, the purchaser must complete and return the enclosed warranty card within 14 days of purchase. During the warranty period EAE shall, as its sole and absolute option, either repair or replace, free of charge, any product that proves to be defective on inspection by EAE or its authorized service representative. To obtain warranty service, contact Elite Acoustics Engineering Technical Support via email: RMA@eliteacoustics.com. PRE-AUTHORIZATION MUST BE OBTAINED BEFORE SENDING ANY PRODUCT TO AN ELITE ACOUSTIC ENGINEERING SERVICE CENTER. All inquiries must be accompanied by a description of the problem. All authorized returns must be sent to the EAE repair facility postage prepaid, insured and properly packaged. EAE reserves the right to update any unit returned for repair. EAE reserves the right to change or improve the design of the product at any time without prior notice. This warranty does not cover claims for damage due to abuse, neglect, alteration, or attempted repair by unauthorized personnel and is limited to failures arising during normal use that are due to defects in material or workmanship in the product. Any implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, therefore above limitation may not apply to you. In no event will EAE be liable for incidental, consequential, or other damages resulting from the breach of any express or implied warranty, including among other things, damage to property, damage based on inconvenience or on loss of use of the product, and, to the extent permitted by law, damages for personal injury. Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. This warranty only applies to products sold and used in the United States of America. For warranty information in all other countries please refer to your local distributor.

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