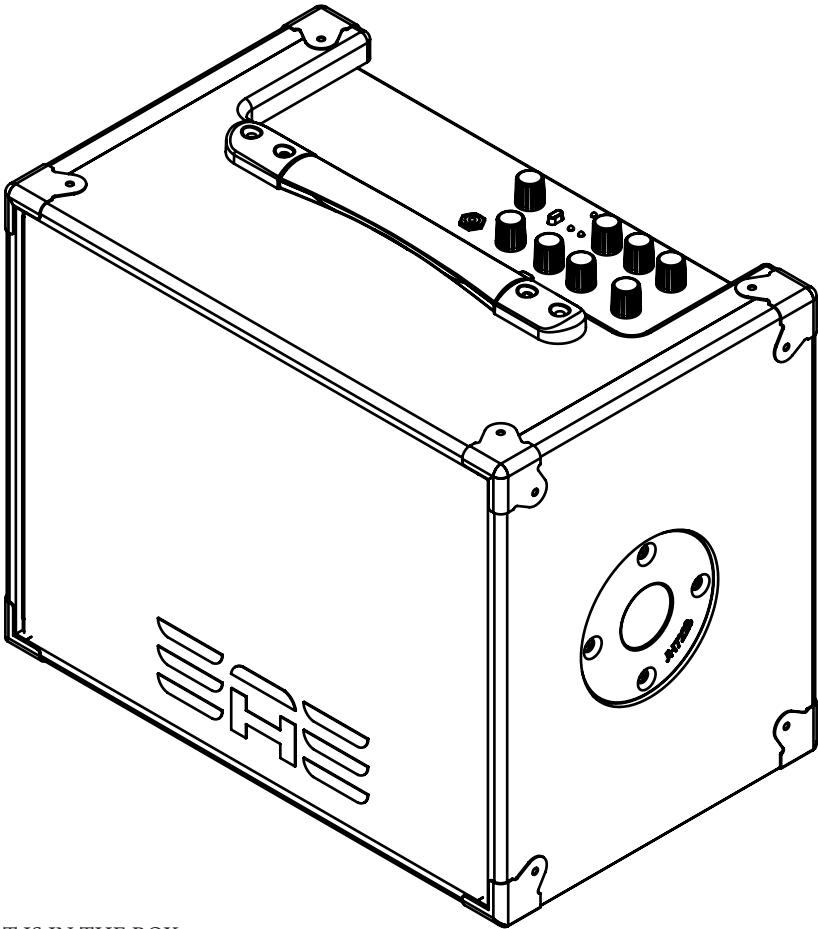


Elite Acoustics Engineering
A1-58 120W Lithium Battery Powered
Acoustic Amplifier with 3 Channels, Mixer,
and 16 digital Effects
Quick Start Guide V1.00



WHAT IS IN THE BOX

A1-58 package contains the following:

- (1) Speaker
- (1) 12V AC Power Supply Adapter

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. Revision Date - Dec 2022.

QUICK START

1. Battery Switch [26] is set to Connect. (Battery Switch to preserve battery life.)
2. Make sure the SPEAKER VOLUME [3] control is down before you turn the POWER [25] on.
3. Connect the input of your microphone to the MIC IN [15.1]. Or you can connect a ¼" line input [15] from an instrument [15.2]. You can also connect an additional mono or stereo [20].
4. Turn on the POWER [25] switch.
5. Turn on your source signal(s) and adjust the volume on the source signal for normal operation.
6. Turn up LEVEL [16] until there is a solid green light showing "signal"[5] at desired level, without a red "peak"[5] light, indicating too much signal.
7. Adjust the SPEAKER VOLUME [3] to a comfortable level.

Power LED: BLUE [1]: Indicate unit is ON

+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 [6]: Adjust Speaker High, Mid, and Low Frequency response

Peak LED [5]: RED indicate Signal Clip

Signal LED [5]: GREEN indicate Signal

Aux Input/Level [7]: Connect audio source with 1/8" jack from MP3/CD player

Effects Controls

Effects Mix [8]: Amount of effect being applied to Input

Rate/Decay [9]: Controls the duration of the effect

Effects Knob Selector [10]: Select effect of choice

EFX Bypass [11]: Turn effects on or off (When LED is on, the effects are turned off)

Channel 1

EFX Send Level [13]: How much output effect is being sent out

+48V [14]: Phantom Power control

Line In [15]: 1/4" TRS inputs

Level [16]: Gain level control

Mute [17]: Mute channel

Mic In [15.1]: XLR for Microphone Input

Instrument Input [15.2]

Channel 2/3

Level [19]: Gain level control

Left/Right Input [20]: 1/4" TRS Input

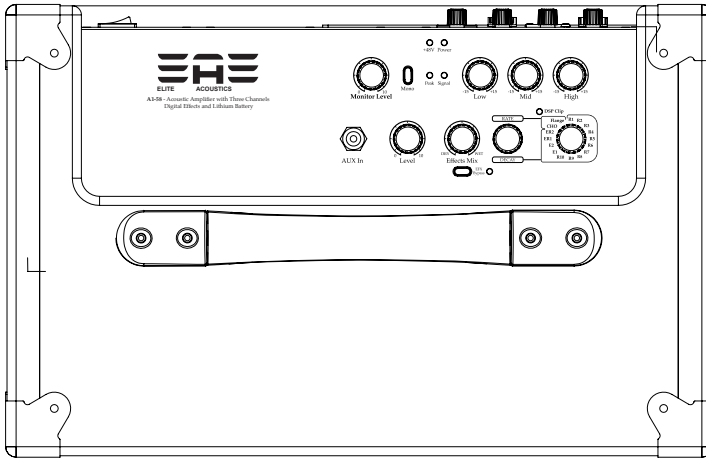
EFX Send Level [21]: How much output effect is being sent out

Monitor Output: Connect with extra speakers/monitors

Output Source [22]: Assigns Main Output or Direct Output

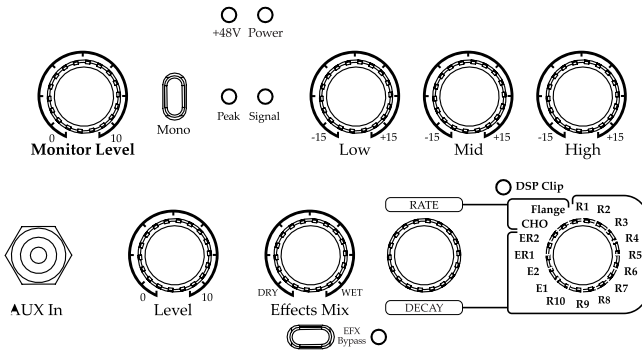
Main Output [23]: XLR Output

Top Panel View



Power LED: BLUE [1]: Indicate unit is ON

+48V LED [2]: Indicates Phantom Power is on -- for Both Chan 1 and Chan 2.



Monitor Output Controls

Speaker Volume [3]: Control speakers' volume level

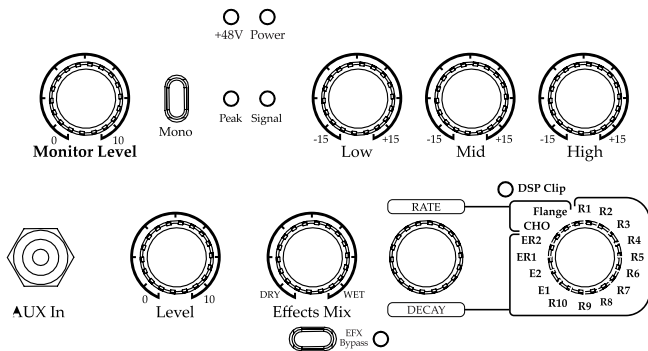
Mono [4]: Changes speaker output to Mono sound

Monitor Equalizer [6]: Adjust Speaker High, Mid, and Low Frequency response

Peak LED [5]: RED indicate Signal Clip

Signal LED [5]: GREEN indicate Signal

Aux Input/Level [7]: Connect audio source with 1/8" jack from MP3/CD player.

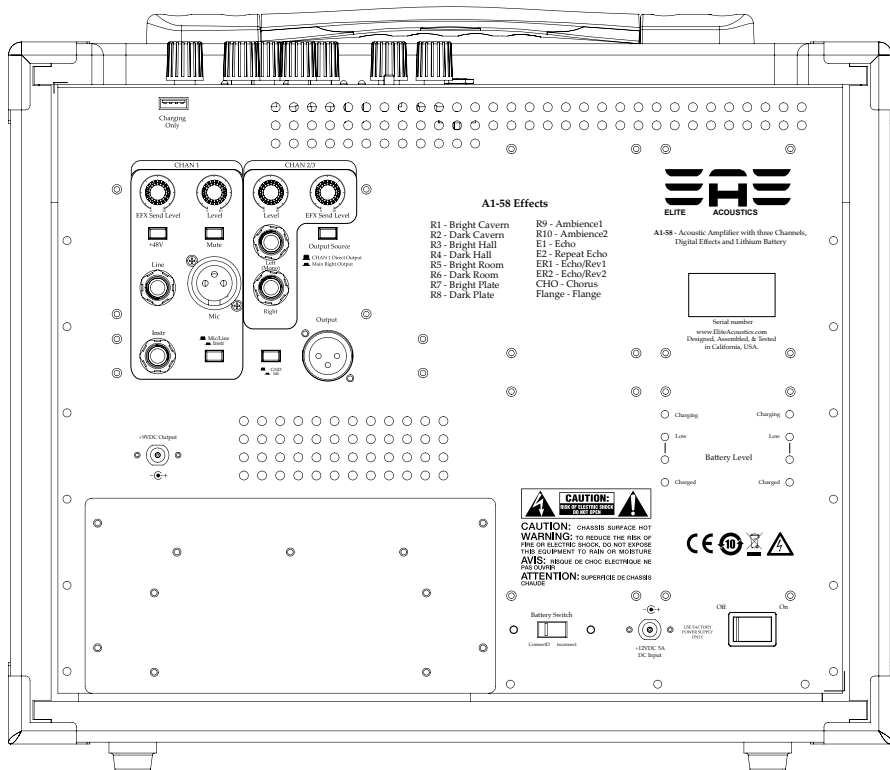


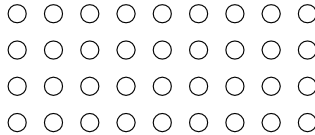
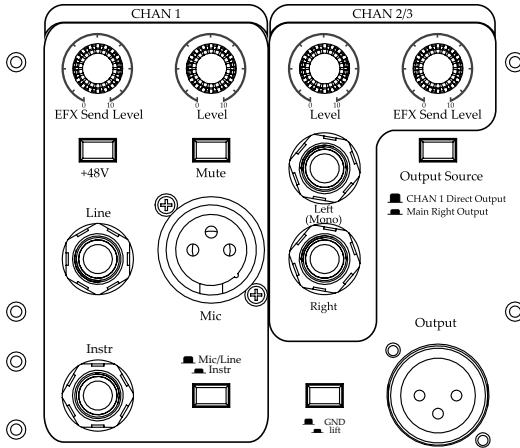
Effects Controls

Effects Mix [8]: Amount of effect being applied to Input, Dry and Wet mix. There is no EFX if knob is completely on DRY position.

Rate/Decay [9]: Controls the duration of the effect

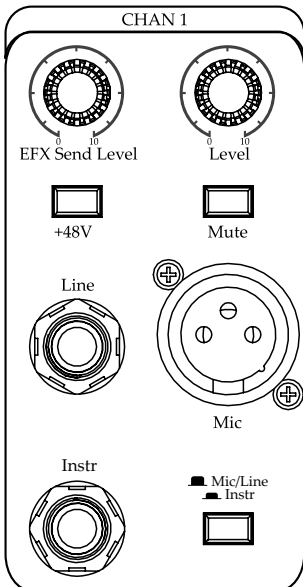
Effects Knob Selector [10]: Select effect of choice





Tips.

+9VDC (500mA) output is Center Positive.
Use to StompMix 4 or GigMix 4-1 digital mixers.



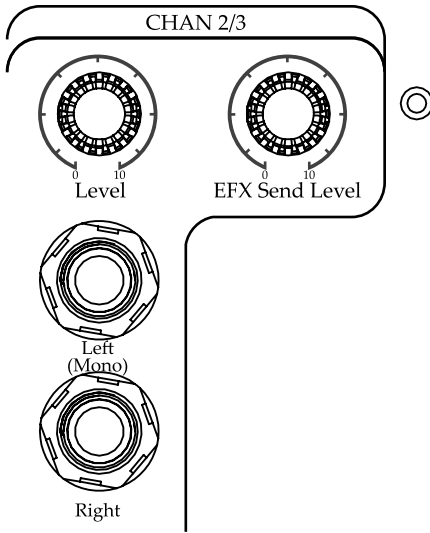
Channel 1

- Gain [16]: Gain level control
- Mute [17]: Mute channel
- EFX Send Level [13]: How much output effect is being sent out
- +48V Phantom Power [14]
- Line In [15]: 1/4" TRS inputs Balanced
- Mic In [15.1]: XLR for Microphone Input Balanced

Mic/Line or Instrument Input selection switch [18]

Instrument Input (15.2)

Instrument Input is recommended for Passive Pickups that need high Z and higher Gain.



Chanel 2/3

- Gain [19]: Gain level control
- EFX Send Level [21]: How much output effect is being send out
- Left/Right Input [20]: 1/4" TRS Input



Output Source

-  CHAN 1 Direct Output
-  Main Right Output

Output Source [22]:Assigns

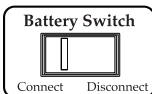
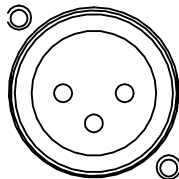
Main Mix Output
or Channel 1 Direct Output

Main Output [23]: XLR Left/Right
Output
GND lift For XLR outputs (24)

Output



-  GND
-  lift

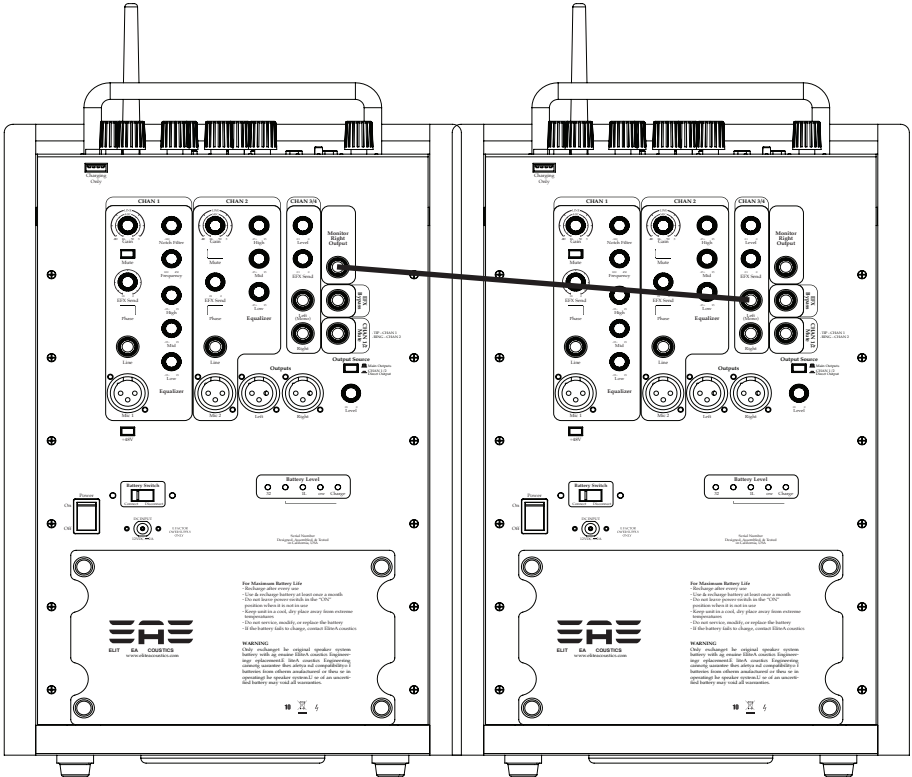


Battery Switch[38] : Built in Slide Switch to preserve battery life.

- Connect: Enable battery power when using unit
- Disconnect: Disable battery power when storing unit to preserve battery life

CONNECTING TO ANOTHER SPEAKER FOR STEREO

The Monitor Right Output (33) allows you to add a secondary active monitor while preserving the stereo image. The Monitor unit will play the Left Channel content and the secondary monitor will play the Right Channel. If stereo imaging is not desired, simply engage the Mono button on the A4-8's top panel. Note that the Monitor Right Output (33) will not drive a passive speaker; it is a Line-level output that can drive amplifiers or active monitor systems. Connect Master Speaker Right output (33) to Secondary speaker Chan 3/4 Line input (32). Set Secondary Speaker Gain (30) to 3 o'clock. Then set Secondary Monitor Level (3) to balance the Left (Master speaker) and Right (Secondary speaker) channels. EQ on Secondary Speaker should be FLAT and EFX (11) should be bypassed.



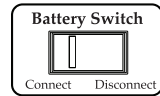
CONNECTING TO ANOTHER ACTIVE SPEAKER (HOUSE PA) FROM DIRECT OUTPUTS OR MAIN MIX OUTPUTS

The XLR output jacks can be used for MAIN MIX outputs (separate from the Monitor Speaker Output) or Direct Outputs for Chan 1 "Left" (35) and Chan 2 "Right" (35) with Level Control. Switch (34) control Main (Switch Out) or Direct Out (Switch pressed in).

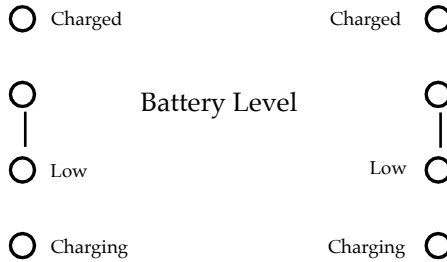
EAE BATTERY & RECHARGING INFORMATION

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.

ABOUT EQ SETTINGS

High – used to add sibilance and crispness to your sound, with the knob at 12:00, there is no boost or cut to the high frequency content.

Mid – Helps control the clarity of your overall mix and should be adjusted to suit lower or higher volume performance levels. Boosting the mids helps speech clarity and intelligibility at lower volumes while cutting the mids produces a more natural sound at higher volumes. The Mid frequency selection knob allows for a range extending from high LF to low HF. When set to 12:00 the Mid frequency peak is around 1.2k Hz, with +/- 12dB of boost or cut depending on the setting of the Mid knob. Here again, with Mid set to 12:00 the mid control is effectively out of the circuit.

Low – In general, lower volumes can benefit from LF boost to help bring out the bass at these lower settings, but it is usually left flat or even slightly cut for high playback levels.

DIGITAL EFX

R1 - Bright Cavern	R9 - Ambience1
R2 - Dark Cavern	R10 - Ambience2
R3 - Bright Hall	E1 - Echo
R4 - Dark Hall	E2 - Repeat Echo
R5 - Bright Room	ER1 - Echo/Rev1
R6 - Dark Room	ER2 - Echo/Rev2
R7 - Bright Plate	CHO - Chorus
R8 - Dark Plate	Flange - Flange

16 DIGITAL EFX PROGRAMS

-
- There are 16 total Digital EFX programs
- R1 to R10 - REVERB
- E1 and E2 - ECHO
- ER1 and ER2 - Echo and Reverb
- CHO - Chorus
- FLange - Flanger
-
- Program select Encoder (10) is for program change.
- Parameter knob (9) to change rate or delay time for the program that is set.
- Mix knob (8) is to fine turn the amount of EFX you want in output mix.
- EFX can be bypassed by Pressing the bypass switch (9)
- EFX send levels for each channel is set by on the rear panel (14, 24, and 31) that correspond to each channel.
-

TIPS

- Distorted Sound
- 1) Check input level to make sure input Signal Light is in GREEN and not CLIPPING RED. Reduce Input by turn down GAIN knob (12, 19). Make sure all EQ knobs are set to Middle. (FLAT)
- 2) Check Monitor Signal Light is also GREEN and not Clipping. Reduce Speaker Level by turning Monitor Knob (3), make sure EQ is set to middle (FLAT)
-
- No Sound
- 1) Check LED signal lights. Green means there is Signal on the input.
- 2) Make sure MIX knob is at 12 o'clock position.
- 3) Make sure Channel is un-muted.
- 4) Make sure +48V is on when using a Condenser Mic. Make sure to MUTE when turning on +48V to prevent loud POP sound.
-
- Battery not Holding Charging
- 1) Power unit off and charge the unit for 24 hours with Battery switch in Connected position. If problem still persist, contact support@eliteacoustics.com for battery replacement instructions.
-
-

SYSTEM SPECIFICATIONS

Speakers:

8" Woofer; 5 1/4" woofer, 1" Silk-dome Tweeters
Optimized front ports for extended low-frequency response
Frequency response 63Hz - 19k Hz

Cabinet: MDF or Plywood.

Amplifier:

120 Watts Ultra High-Efficiency Class D Amplifier.

EQ Controls:

Low +/- 12dB @ 50Hz (shelving)
Mid +/- 12dB @ 200Hz – 4k Hz (resonant)
High +/- 12dB @ 10k Hz (shelving)
Notch +/- 12dB @ 80Hz – 400 Hz (high-Q resonant)

Battery:

Built-in Lithium Iron Phosphate (LifePO4) type, rechargeable
Typical recharge time ~ 5.5 hours
Play time ~ 4 hours
(larger capacity battery modules available for purchase)

Power Supply:

DC 12V, 5000 mA

Physical:

- **Dimensions:** 15.30"WX13.1"Hx9.80"D
- **Weight:** 24 lbs

-
- Nominal output level (1 kHz): Right Channel Link out: -10 dBu Main/Direct Output: +4dBu
- Channel controls: CH1: EFX Send Level knob, Gain knob, Mute switch, CH2/3: Level Knob & EFX Send Level
- EFX Effect controls: Dry/Wet knob, Decay/Rate knob, 16 different effects(Bright/Dark Cavern, Bright/Dark Hall, Bright/Dark Room, Bright/Dark Plate, Ambience1, Ambience2, Echo, Repeat Echo, Echo/Rev1, Echo/Rev2, Chorus, Flange)
- Master controls: Volume Knob, Mono Switch, Equalizer (Low, Mid, High knob), Effect Mix, Decay/Rate, Effects
- Stereo Inputs: 1/4" Left/Right input jacks
- Phantom Power: +48V
- Aux in control: Level knob
- Indicators: signal clip, power, +48V, EFX Bypass,
- Connectors: CH1: Input jacks (XLR type, 1/4" TRS phono type), CH2/3: Left/Right stereo input (1/4" TRS phono type), AUX in: input jacks (1/8" jack), output: Mix or Direct Out Chan 1 (XLR type), DC in jack
- Power Switch
- Other features:
 - USB charging dock
 - Optimized front ports for extended low-frequency response
 - Built-in pole-mount, 35mm receptacle on bottom of unit
 - +9V DC output (500mA)
- Accessories: AC cord, AC adaptor, Optional DC cord for the car

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 recommended 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.

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.

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 inquires 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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