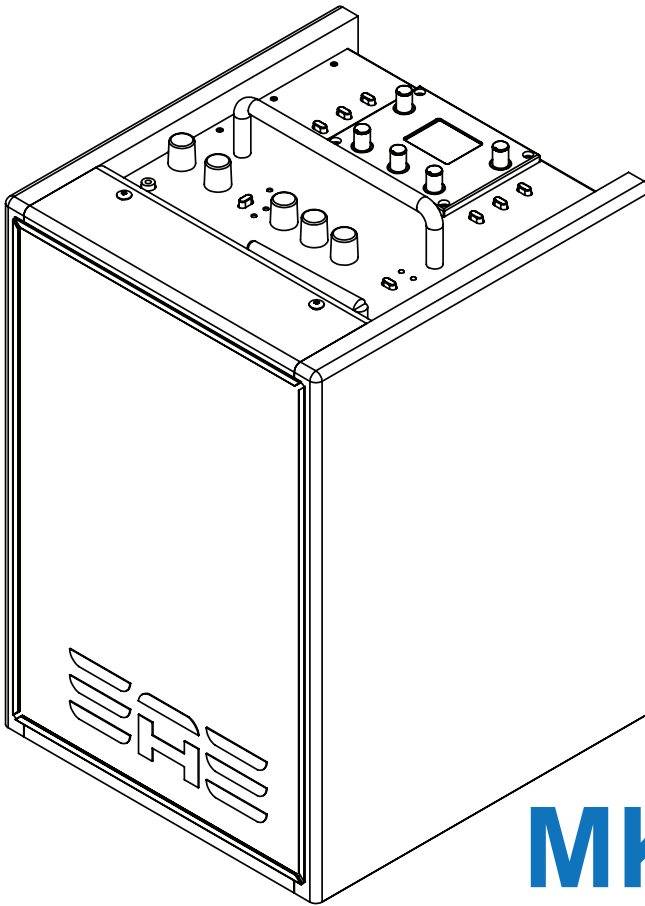# Elite Acoustics Engineering
D6-8 MKII 80W Lithium Battery Powered Acoustic Amplifier with 6 Channels, Digital Mixer & Effects, and Bluetooth®

Quick Guide Handbook version v1.01

MKII

WHAT IS IN THE BOX
Your D6-8 MKII package contains the following:

(1) Speaker   (1) Quick Start Guide & Registration Card
(1) AC to 12VDC Power Supply Adapter   (1) Speaker Handle Grip

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.

LCD FUNCTIONS
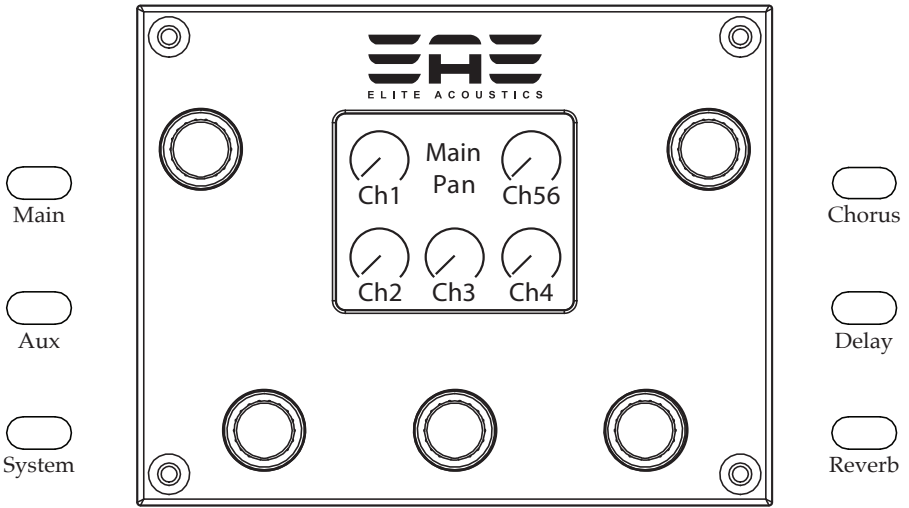
Menu Buttons with LCD:

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.
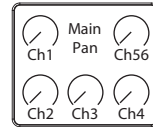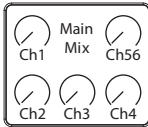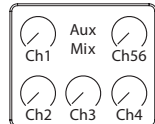
"Main" Page 1: *"Main Mix"*
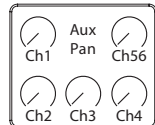Adjust the level of each of the 5 channels.

"Main" Page 2: *"Main Pan"*
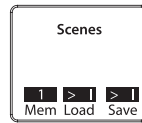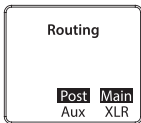Adjust the stereo panning for each of the 5 channels.

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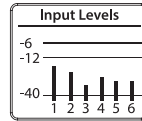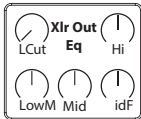
"System" : *"Routing"*
Assign "Pre" or "Post" fader i.e., "Main Mix" Channel 1 through Channel 6, signals to the Aux Sends. You can also select either "Main" mix or "Aux" mix as the source for the XLR outputs.

System

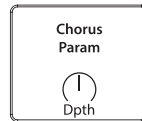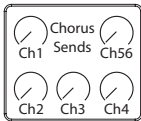**"System" :** *"Scenes"*
Save and Recall up to 10 mixes i.e., scenes.

"System" : *"Input Levels"*
Displays a bar graph for each channel's input level. Adjust the channel's "Gain" pot to set desired level.

"System" : *"XLR out EQ"*
Setting for EQ for the XLR outputs when it is SET on "MAIN outputs"

Chorus

"Chorus" : *"Chorus Sends"*
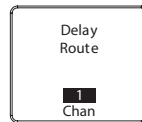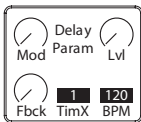Adjust the Chorus level of each of the 5 channels.

"Chorus" : *"Chorus Param"*
Adjust the Depth of the Chorus for each of the 5 channels.

Delay

"Delay" : *"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.
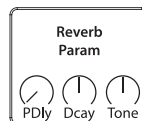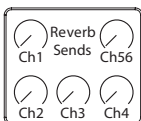
Reverb

"Reverb" : *"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):
"Ch 1 EQ"
Adjust the EQ settings for which ever channel is selected. (Chan 1- 5/6)

"Encoder Select" (press to enable):
"Ch 1 UTIL
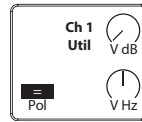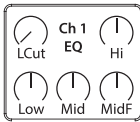Adjust Phase and Notch Filter level/ Freq. settings for channel selected. (CHAN 1 to CHAN 4)
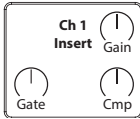
"Encoder Select" (press to enable):
"Ch 1 Insert"
Adjust the Insert settings for the selected channel (Ch.1-4). Note: this includes Gain and Threshold settings as well as an independent Noise Gate.
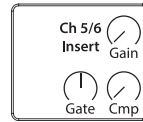
"Encoder Select" (press to enable):
"Ch 5/6 Insert"
Adjust the Insert settings for Channel 5/6. Note: this includes Gain and Threshold settings as well as an independent Noise Gate.

REFERENCE DIAGRAM

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
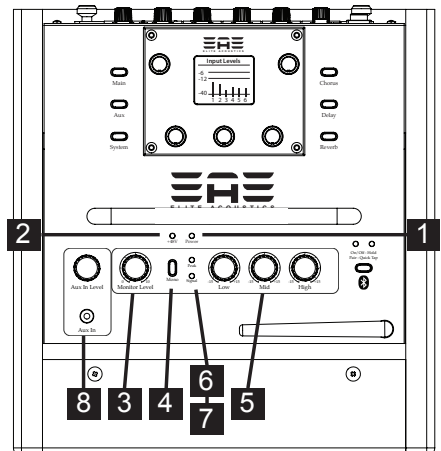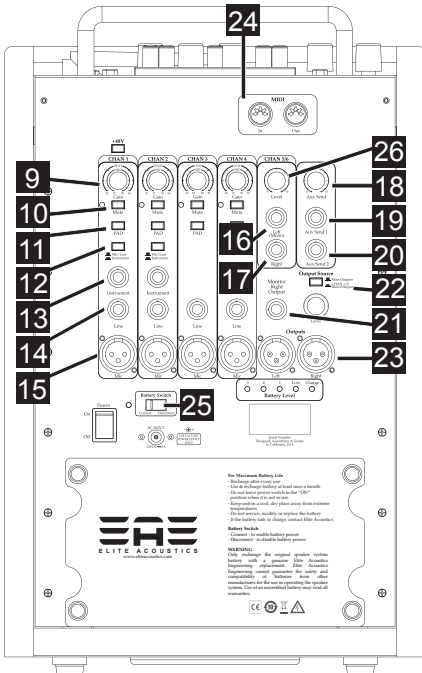Equalizer [5]: Adjust High, Mid, and Low Frequency response
Peak LED [6]: RED indicate Signal Clip
Signal LED [7]: GREEN indicate Signal Present
Aux Input/Level [8]: Connect audio source with 1/8" jack from MP3/CD player

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
Mic In [15]: XLR for Microphone Input

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

Battery Switch[25] : Battery Slide Switch to preserve battery life for storage or transit
  Connect: Enable battery power when using unit
 Disconnect: Disable battery power when storing unit to preserve battery life

Battery Switch
Connect   Disconnect
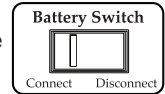
BLUETOOTH® FUNCTION
- To turn ON/OFF Bluetooth® function
        PRESS/HOLD down MODE button for approximately 5 seconds
                Both LEDs will flash at the same time
- To pair device to the speaker system
        Bluetooth® needs to be turned ON
        QUICK TAP the MODE button once
                Both Flashing LED: *indicate Bluetooth® is ready to be paired*
                Flashing Blue LED only: *indicate Bluetooth® is connected*

EAE BATTERY & RECHARGING INFORMATION

1. To fully charge a unit –

    a. Set Battery Switch to "CONNECT"
    b. Turn Power Switch OFF
    c. Connect "AC" adaptor to Power Jack.
    d. (Bi-Color) "Charge" LED should be lit, Charge time can vary from 5 to 6 hours
    e. Once it is fully charged LED "Bi Color" will turn off.
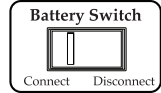
2. When unit is powered with "AC" adaptor, Battery Switch should be in "DISCONNECT" position if Battery is already fully charged.

3. 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 drain and then fully charging the battery at least once each month.
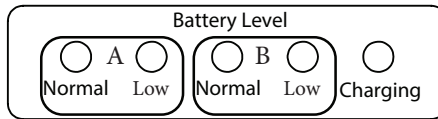
- Battery Meter -
-
- A: Normal (GREEN), Low (RED), B: Normal (GREEN), Low (RED). Charge LED (Bi-color) RED/YELLOW.
- Normal- GREEN LEDs indicaed Battery is charged ~80% or MORE.
- LOW - RED LEDs indicate Battery is less then ~10% Charged.
- When Both "Normal" and "Low" LEDs are on at the same time, the battery level is lower then ~25%
- CHARGE LEDs (Bi-color LED) - Both Color "ON" while it is CHARGING, both color "OFF" when fully charged.

FOR MAXIMUM BATTERY LIFE

- Battery Type: LifePO4 - Lithium Iron Phosphate.
- Charge Battery when is LOW or Depleted.
- Use & recharge battery at least once a month
- DO NOT leave power switch in the "ON" position when it is not in use. Doing so after a long period of time will damage the battery
- If unit is always plugged in, it is recommendate to put Battery Swtich in Disconnected position, but make sure to recharge unit monthly.
- 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 Engineering

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; 1" Silk-dome Tweeter

• Amplifier: 80W Class D Bi-AMP

• 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
> Magnetic shielding eliminates interference with other electronic equipment
> 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: 10.90"L x 10.25"W x 16.40"H

• Weight: 28 lbs

For a copy of the most updated complete 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.

ΞΛΞ

ELITE ACOUSTICS

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.

<u>WARRANTY (USA ONLY)</u>

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