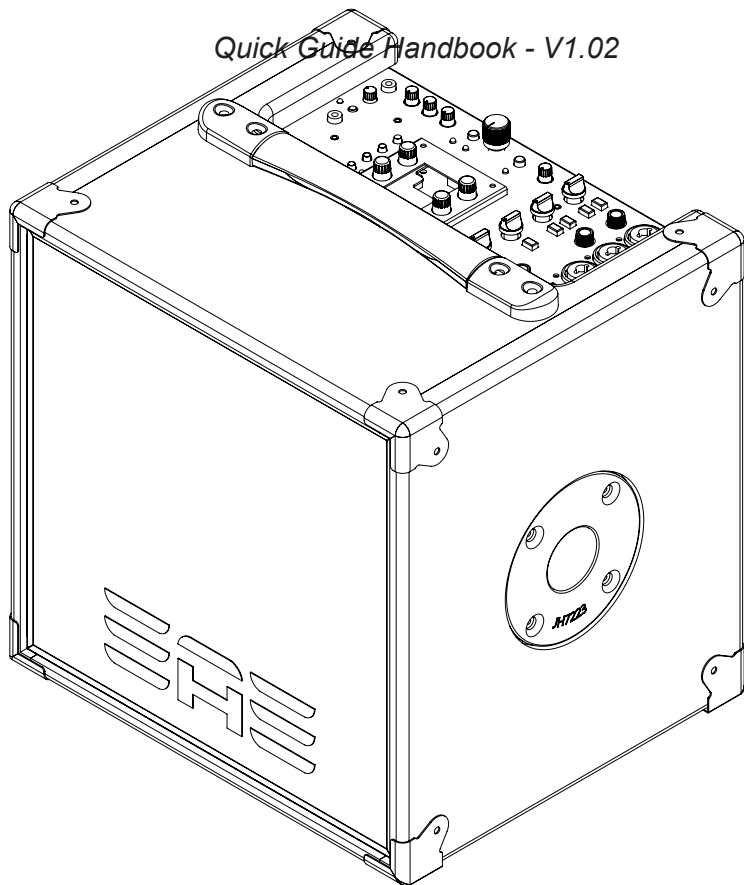


# Elite Acoustics Engineering

## ToneWeaver 4-8 Compact Rechargeable 4 Channels Acoustic Amplifier with Digital Mixer/EFX, LFP Battery and Bluetooth®

Quick Guide Handbook - V1.02

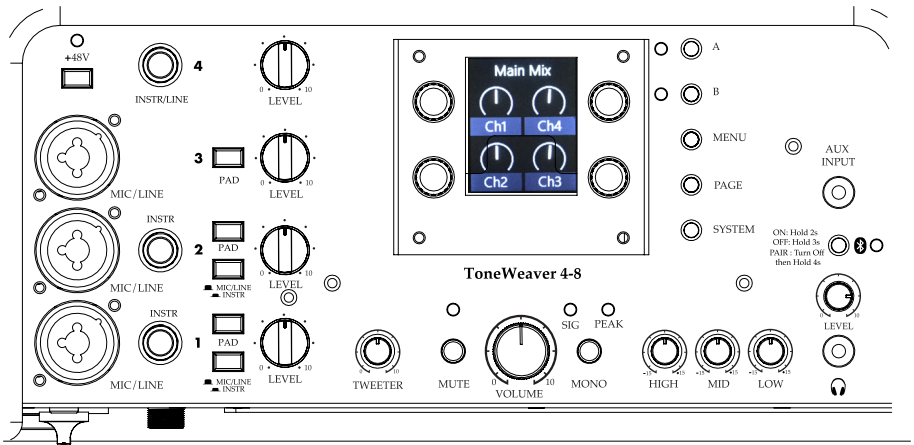


### **WHAT IS IN THE BOX**

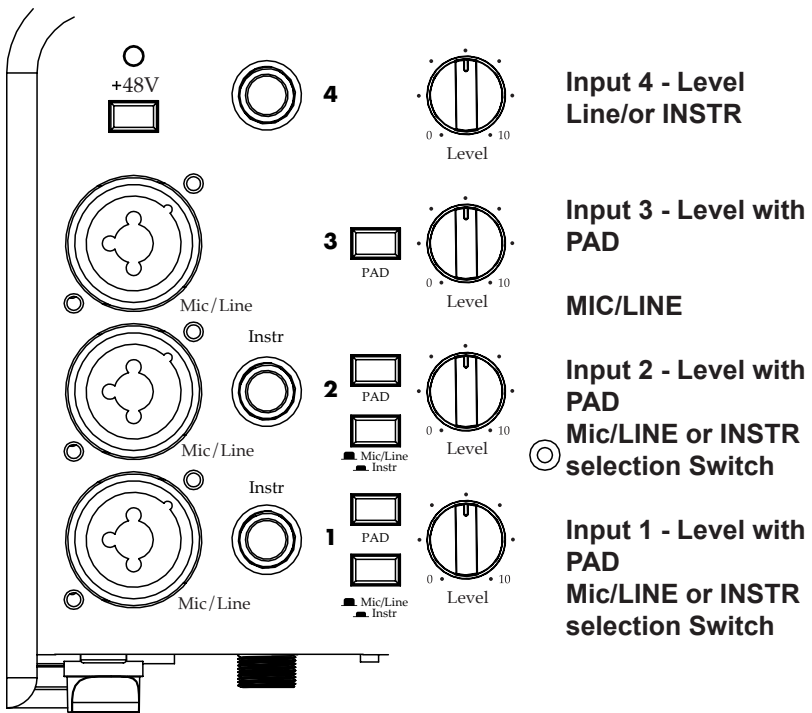
Your ToneWeaver 4-8 package contains the following:

- (1) D4-8 unit
- (1) AC to 12VDC 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.  
For more technical questions, please visit: [www.eliteacoustics.com](http://www.eliteacoustics.com)

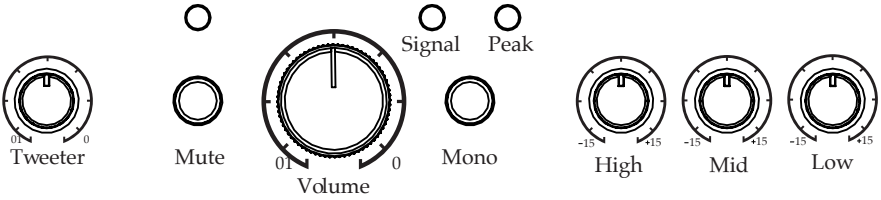


**+48V switch (Channel 1.2.3 and LED)**



**Speaker  
MUTE  
LED**

**Speaker  
Signal  
Peak  
LEDs**



**Tweeter  
Output  
Level**

**Speaker  
MUTE**

**Speaker  
Volume**

**Speaker  
Output  
Mono  
Switch**

**Speaker  
Output  
3 Band  
EQ**

**AUX  
INPUT**

1/8" TRS AUX input L/R



**Bluetooth button and LED**

ON: Hold 2s  
OFF: Hold 3s  
PAIR: Turn Off  
then Hold 4s



- to pair - hold button for 4 seconds - LED will Flash Red/GREEN alternatively. (initial pairing)
- to turn off - hold for 3 seconds.
- to turn on - hold for 2 seconds.

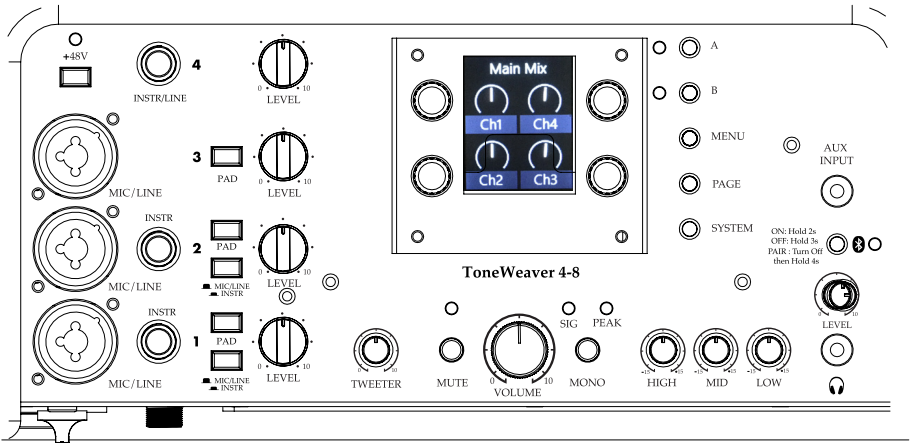


**Headphone Output Level**



**Headphone Output 1/8" L/R Jack**



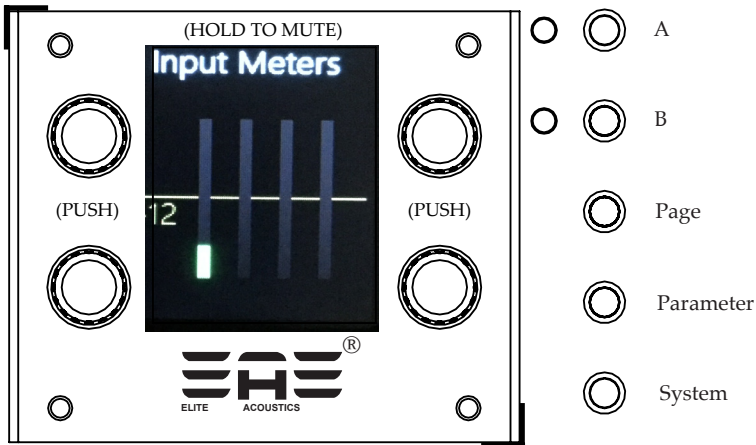


**Speaker Volume Output Level Control.**

**Volume is Knob is Stereo Control - if stereo is desired, Add Speaker via Monitor Right Output Jack on the REAR panel.**

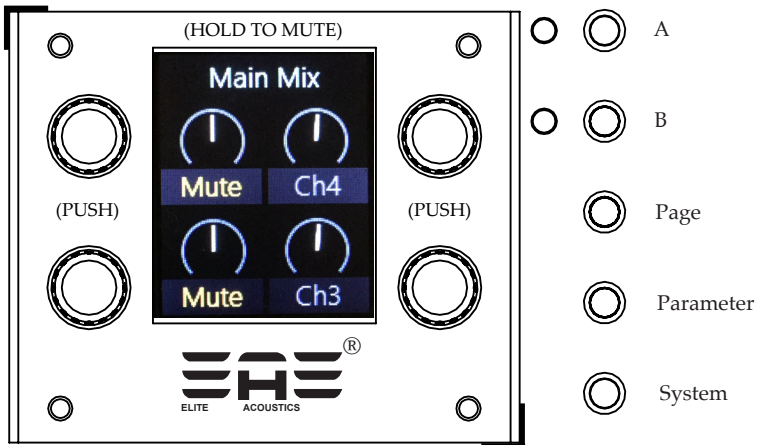
**Speaker is Linked to MAIN MIX (OUT1) on the Digital Mixer.**

**Headphone is "PRE" - Volume Knob and POST 3 band Master EQ**



**Input Meters**

**It is critical to adjust the normal input levels to be below -12db level to avoid Clipping the inputs. Distortion can occur when inputs are clipping. CHAN 1/2 and CHAN 3 have input level knobs and PAD switches, CHAN 4 have input level controls.**



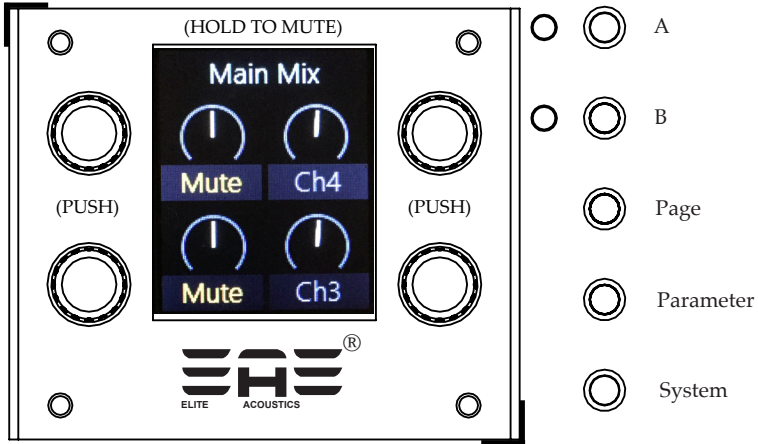
## “MUTE”

**HOLD** down the  
Corresponding encoder  
to **MUTE** or **UNMUTE** each  
channel.

## LCD FUNCTIONS

### **Menu Buttons with LCD:**

Press any of the 3 menu buttons(black button located to the Right theLCD) or 4 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.



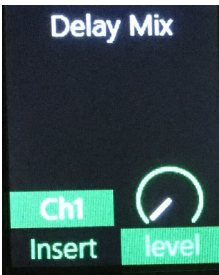
**PRESS the “page” button to access these FUNCTIONS**



**“Main Mix”**  
Adjust the level of each of the 4 channels sent to the Main MIX Outputs.

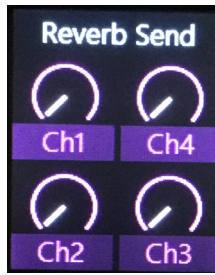


**“Aux Mix”**  
Adjust the level of each of the 4 channels sent to the Aux Mix Outputs.

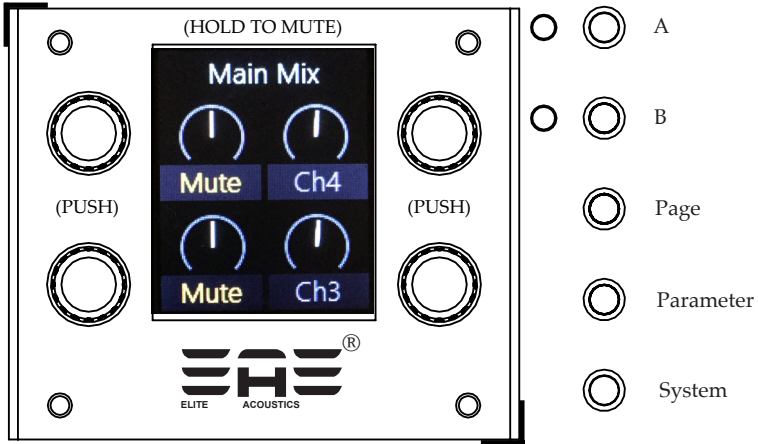


**“Delay Mix”**  
Select the Chan which delay is inserted and Delay Mix Level.

Delay is only available on ONE Channel at a time.



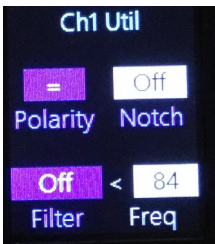
**“Reverb Send”**  
Adjust the Reverb Send level of each of the 4 channels.



**PRESS the corresponding Encoder knob for these Functions.**  
**use the corresponding Encoder knob for these Functions.**



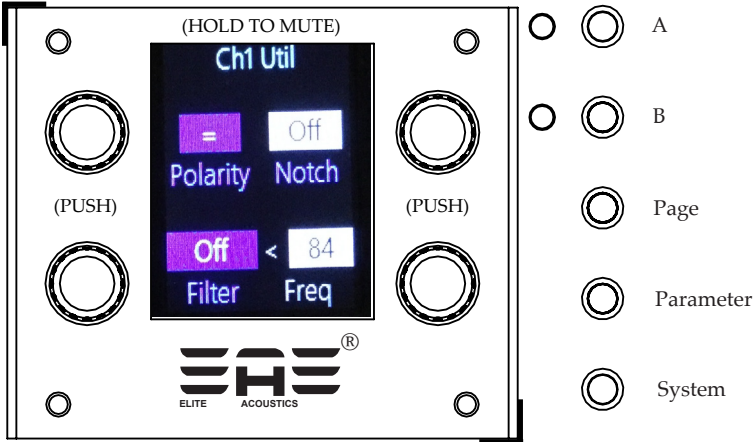
**“Channel EQ”**  
 Adjust for each channel  
 Low  
 Mid  
 Mid Freq (80hz to 6Khz)  
 High



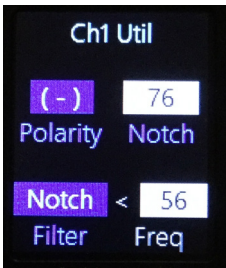
**“Channel Util” - more details on next page.**  
 Polarity (=) or (-)  
 Notch Filter (52hz to 500Hz)  
 Filter - Off/Highpass/Notch  
 Filter Freq. (50Hz-500Hz)



**“Channel Dyn”**  
 Adjust levels for  
 Gate (-128db - 0db)  
 Compressor (one Knob 0db to -32db)



**use the corresponding Encoder knob for these Functions.**

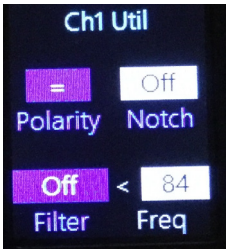


**“Channel Util”**

Input Phase Polarity is (-) Reversed.

Notch - 76 Hz.

Filter - Notch 56 Hz.



**“Channel Util”**

Input Phase Polarity is (=) - NOT reversed.

Notch - OFF

Filter - OFF

Filter Freq. - 84 Hz.



**“Channel Util”**

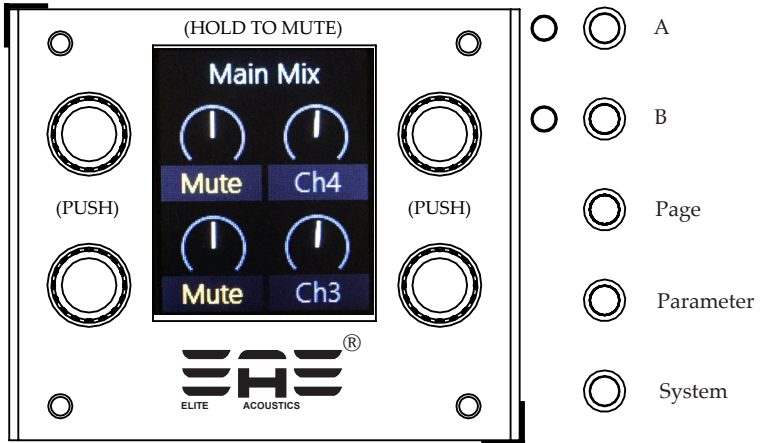
Input Phase Polarity is (-) Reversed.

Notch - OFF

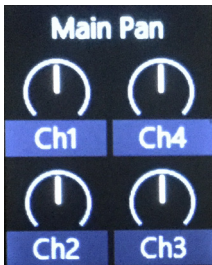
Filter - HiPass

Filter Freq. - 84 Hz.

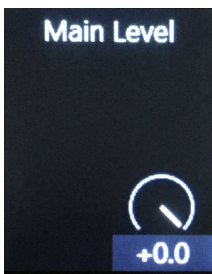
## Editing “Main Mix” parameters



## PRESS the “parameter” button to access these FUNCTIONS

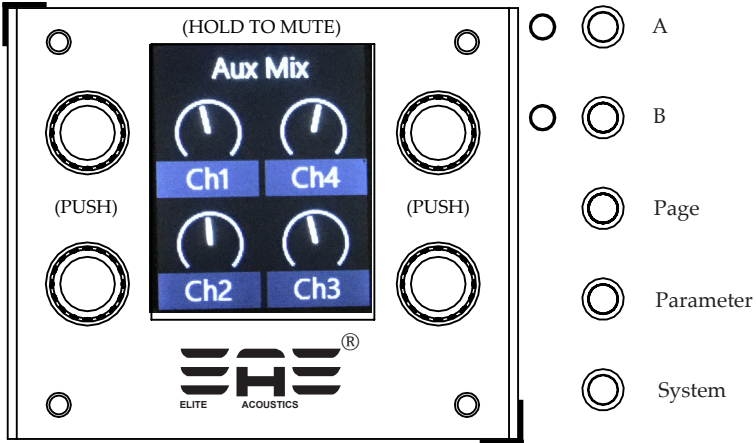


**Preset “Parameter” key**  
Adjust the Main Mix stereo panning  
for each of the 4 channels.



**Preset “Parameter” key**  
Adjust the Main Mix output Level.

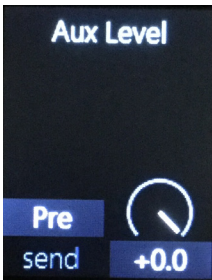
## Editing “Aux Mix” parameters



## PRESS the “parameter” button to access these FUNCTIONS

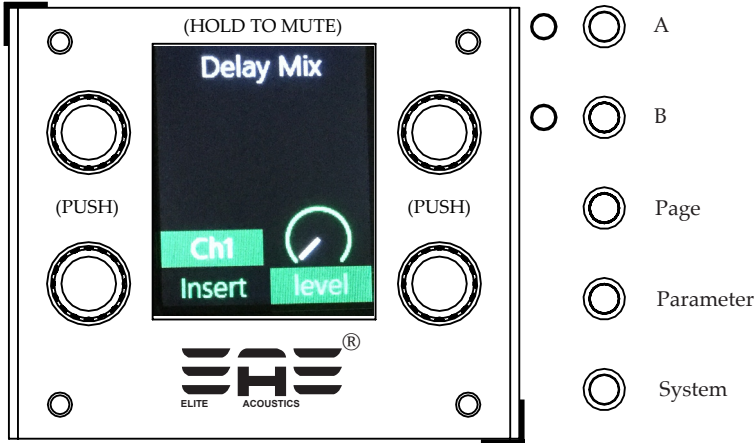


**Preset “Parameter” key**  
Adjust the AUX stereo panning for each of the 4 channels.

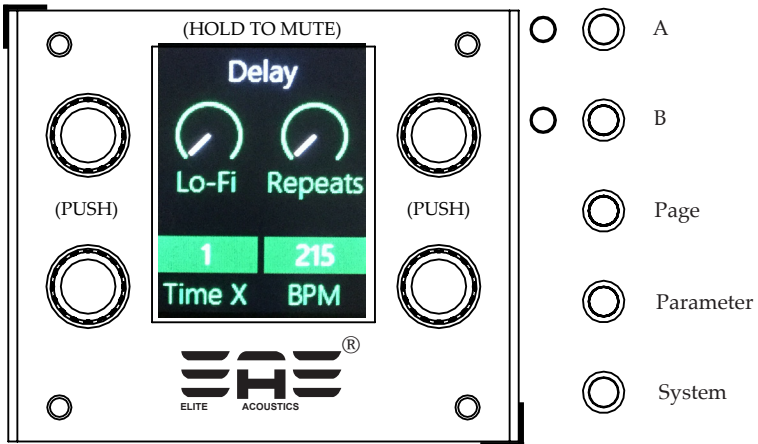


**Preset “Parameter” key**  
Adjust Aux Send connection - “Pre” or “Post”  
Pre - Pre “Main Mix level”  
Post - Post “Main Mix level”  
““  
Adjust the Aux Mix output Level.

## Editing “Delay Mix” parameters



## PRESS the “parameter” button to access these FUNCTIONS

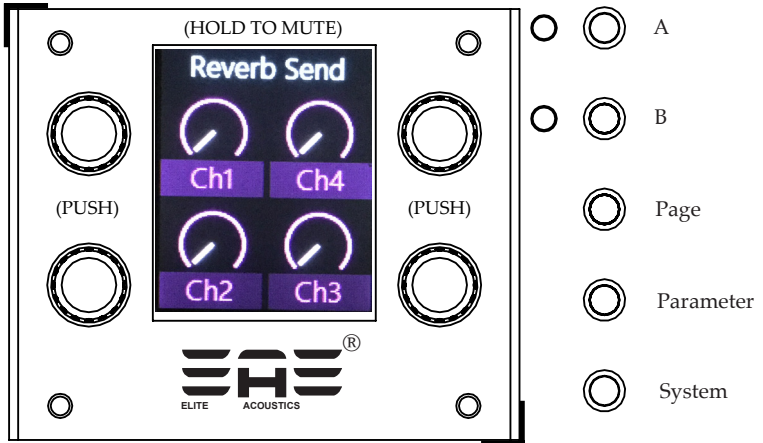


### **Preset “Parameter” key**

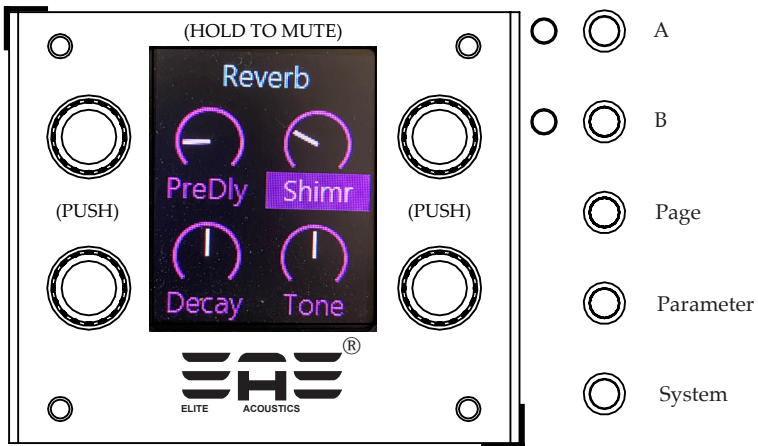
Adjust the 4 Delay Parameter by the corresponding encoder knobs.

Delay is only available on ONE Channel at a time.

## Editing “Reverb Send” parameters



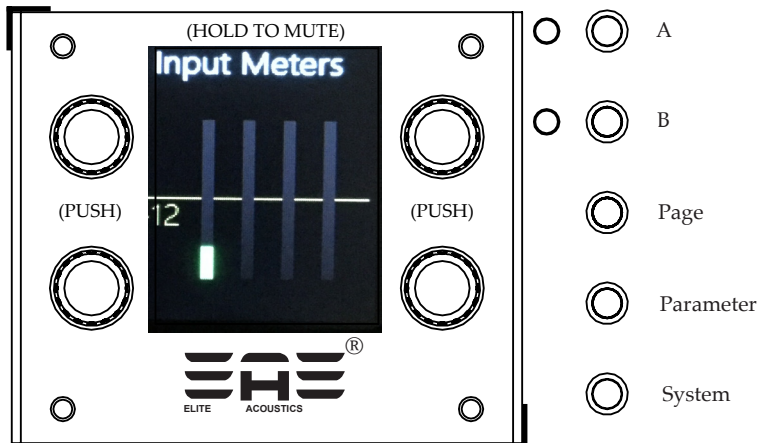
## PRESS the “parameter” button to access these FUNCTIONS



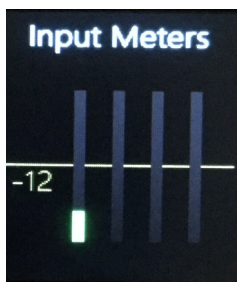
### **Preset “Parameter” key**

Adjust the 4 Reverb Parameter by the corresponding encoder knobs.

“PreDelay” “Decay” “Tone”  
and “Shimmer”

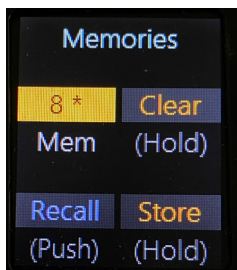


## PRESS the “system” button to access these FUNCTIONS



### Input Meters

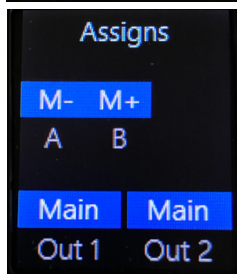
It is critical to adjust the normal input levels to be **below -12db level to avoid Clipping** the inputs of the System. Distortion can occur when inputs are clipping. CHAN 1/2 and CHAN 3 have input level knobs and PAD switches, CHAN 4 have input level controls.



### “Memories”

There are 10 scenes that can be saved. Use the Corresponding encoder to make changes.  
 “Push” - push the encoder  
 “Hold” - push/hold the Encoder.

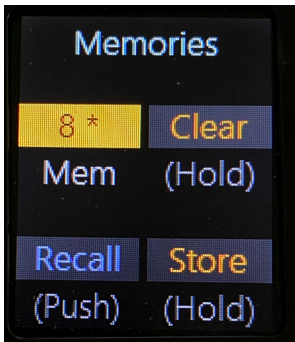
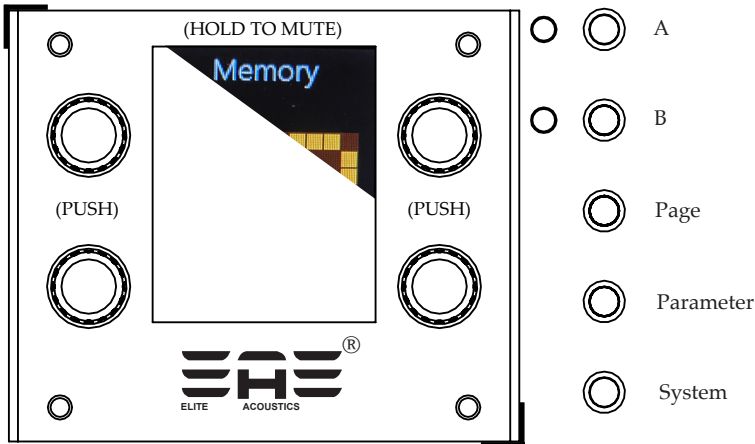
(\* ) next to the “Mem” number means scenes is stored in that location.



### “Assigns”

“A” and “B” footswitch have assignable functions. See next page for more details.

Main Mix and Aux Mix outputs can be assigned to the 1/4” L/R jacks or the 1/8” jack.

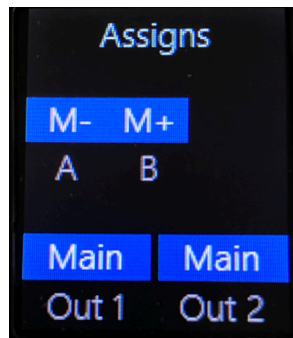


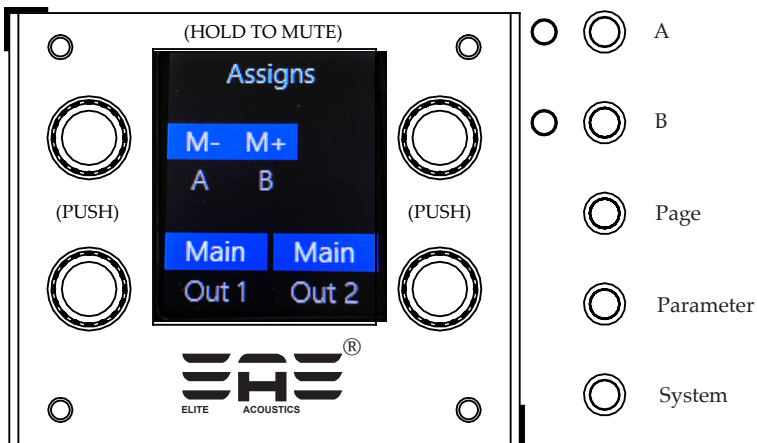
### “Memories”

Mem - indicated the Memory slot #  
 Clear - to Clean Memory slot indicated  
 Store - to Store Memory slot indicated.  
 “Press” and “Hold” - push/hold the Encoder.

Recall - to recall the memory indicated.  
 “Push” - quick press ONLY. DO NOT hold.

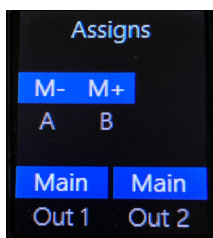
When the foot switches are assigned to "M- M+" if pressing a foot switch results in a memory being loaded (at least two memories are not empty), a page pops up showing the number of the recalled memory in large font.





**USE the corresponding Encoder knob for these Functions.**

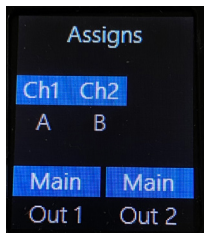
**Assign "A" and "B" foot switches**



**"Assigns"**

**"A" - Memory DOWN**

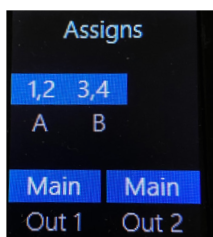
**"B" - Memory UP**



***"Assigns"***

**"A" -- CHAN 1 ON/OFF**

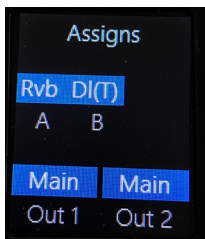
**"B" -- CHAN 2 ON/OFF**



**"Assigns"**

**"A" - CHAN 1/2 ON/OFF**

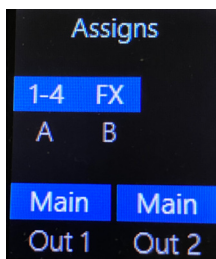
**"B" - CHAN 3/4 ON/OFF**



***"Assigns"***

**"A" -- Reverb ON/OFF**

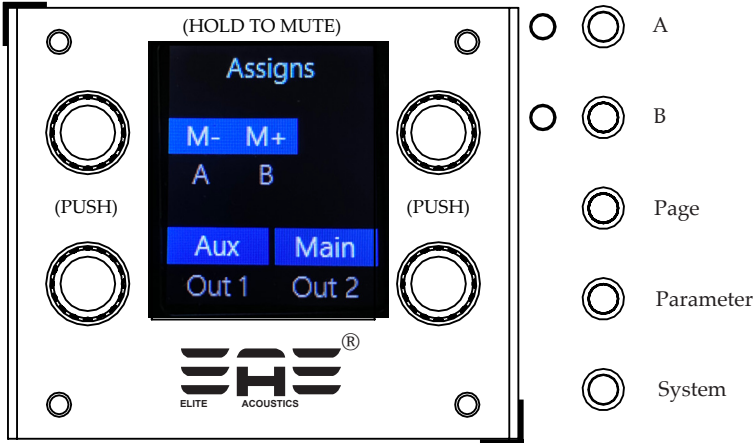
**"B" -- Delay TAP  
"B" LED will flash, - Delay can be turn on/off by HOLD down the "B"**



**"Assigns"**

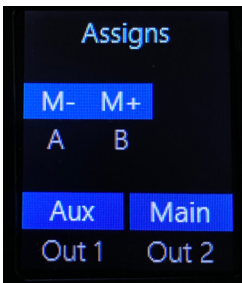
**"A" - all CHAN ON/OFF**

**"B" - EFX ON/OFF**



**USE the corresponding Encoder knob for these Functions.**

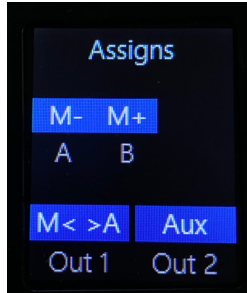
**Assign “OUT1” and “OUT2” output routing**



**“Assigns”**

“AUX” Mix output to OUT1

“MAIN” Mix output to OUT2



**“Assigns”**

“MAIN” Mix MON and “AUX Mix MONO output to OUT1 (L/R)

“AUX” Mix output OUT2

**“Assigns”**

OUT1 and OUT 2 routing are selectable from 3 separate output mix.

Speaker OUTPUT is linked to OUT 1 on the digital Mixer.



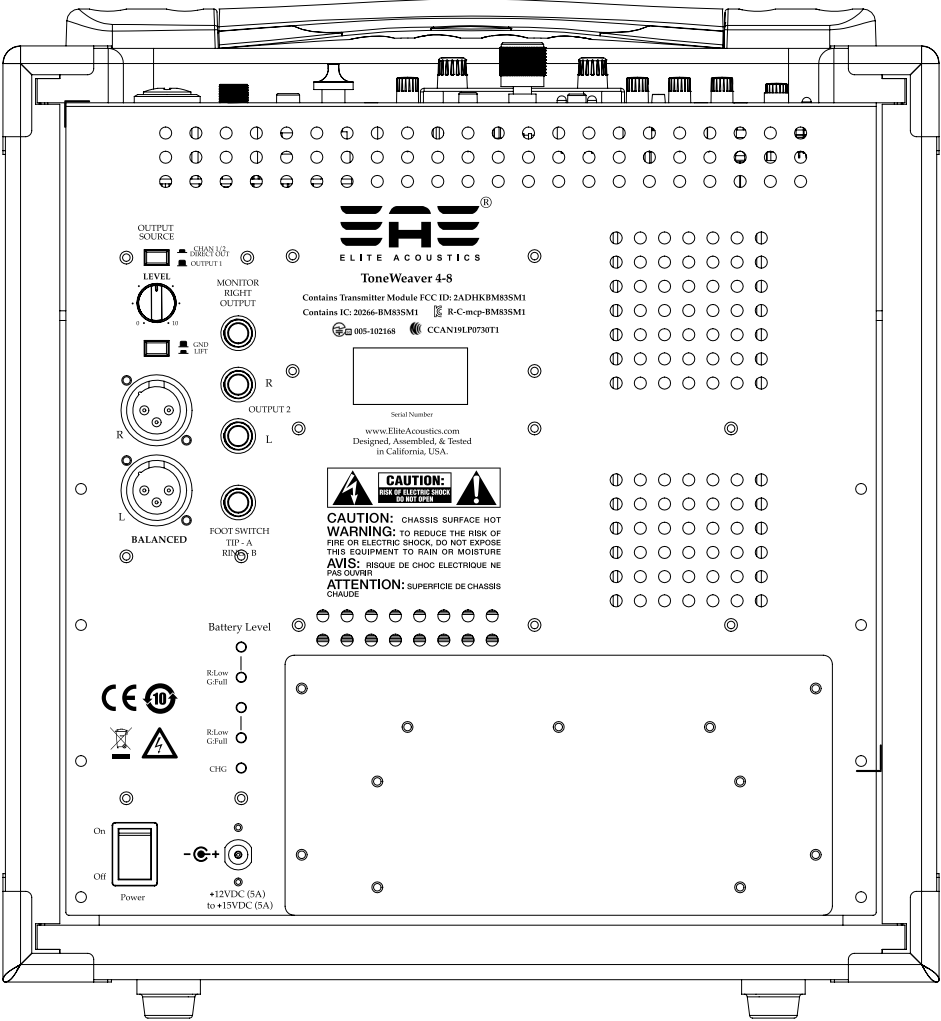
Main MIX



Aux Mix



Main Mix MONO - LEFT  
Aux Mix MONO - Right



**ToneWeaver 4-8**

Contains Transmitter Module FCC ID: 2ADHKRBM83SM1  
Contains IC: 20266-BM83SM1 R-C-mcp-BM83SM1  
005-102168 CCAN19LP07301



Serial Number  
www.EliteAcoustics.com  
Designed, Assembled, & Tested  
in California, USA.



**CAUTION:** CHASSIS SURFACE HOT  
**WARNING:** TO REDUCE THE RISK OF  
FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE  
THIS EQUIPMENT TO RAIN OR MOISTURE  
**AVIS:** RISQUE DE CHOC ELECTRIQUE NE  
PAS OUVRIER  
**ATTENTION:** SUPERFICIE DE CHASSIS  
CHAUDE



+12VDC (5A)  
to +15VDC (5A)

Battery Level  
R/Full  
G/Full  
C/IG

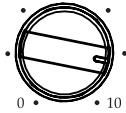
**XLR output source selection switch**

Output Source



Chan 1/2 Direct Output  
Output 1

Level



Level

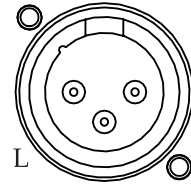
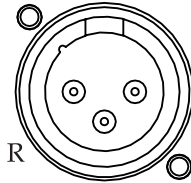
GND lift Switch



GND LIFT

Balanced

Output 1 XLR output



Monitor Right Output



R

Output 2

Output 2 R/L 1/4" TRS output Jacks



L

Tip - A  
Ring - B



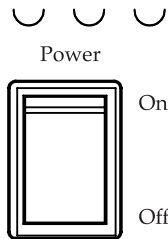
Foot Switch

Option Footswitch for A/B switch Functions

1/4" Jack Tip/Ring/Sleeve

Tip -- Switch A  
Ring - Switch B  
Sleeve - GND

Power Switch



Power

On

Off








- +



+12VDC (5A)

DC INPUT  
12VDC,  
3000mA or higher)

Battery Level		Battery Level and Status
LED1		<b>Battery 1</b> RED - LOW GREEN - FULLY Charged
LED2	R:Low G:Full 	
LED3		<b>Battery 2</b> RED - LOW GREEN - FULLY Charged
LED4	R:Low G:Full 	
LED5	CHG 	<b>Charging LED</b> <b>Orange - Charging Both battery 1 and 2</b>  <b>Red - Charging battery 1</b> <b>Green - Charging battery 2</b>

### FOR MAXIMUM BATTERY LIFE

- Battery TYPE - LifePO4/LFP
- Battery METER indicators -
- 
- NORMAL - (LED1/3) GREEN ON
- LOW -- (LED1/3) GREEN ON, (LED2/4) (Bi-Color) RED - ON less than (about 10% - 25%)
- LOW - (LED1/3) GREEN OFF, (LED2/4) (Bi-color) RED ON (less than 10%)
- 
- FULLY CHARGED. - (LED2/4) (Bi-color) GREEN LED ON
- CHARGING - (LED 5) (Bi-color) RED/GREEN LEDs 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

## EAE BATTERY & RECHARGING INFORMATION

1. To fully charge a unit –
  - a. Turn Power Switch OFF
  - b. Connect “AC” adaptor to Power Jack.
  - c. RED/GREEN bi-color “Charge” LED should be lit, Charge time is about 5-6 hours.
2. Lithium Iron Phosphate (LifePO4) battery lifetime is typically 6 – 7 years depending on usage.
3. **Recharge Battery every month if not in use.**

## 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.

## SYSTEM SPECIFICATIONS

### Speakers:

8" Woofer; 2 x 1" Silk-dome Tweeters  
Optimized front ports for extended low-frequency response  
Frequency response 63Hz - 20k Hz +/- 3db

### Cabinet: 18mm Plywood.

### Amplifier:

120 Watts Ultra High-Efficiency Class D Amplifier (Bi-AMP).

### EQ Controls:

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

### Battery:

Built-in LFP - Lithium Iron Phosphate (LifePO4) type, rechargeable  
Typical recharge time ~ 5.5 hours  
Play time 4 ~ 6 hours

### Power Supply:

DC 12V, 3000 mA or more

### Physical:

- **Dimensions:** 12.13"w x 12.13" H x 10.55" D
- **Weight:** 20.5 lbs

## **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 four fully configurable audio channels. Color Graphic LCD presents a highly intuitive GUI for settings and save & recall.
- **Digital Effects and Controls**: Channel Parametric EQ, Notch Filter, Selectable HiPass/Notch Filter, Compressor, Noise Gate, Main and Aux panning, Reverb, Delay, Real-Time Chan-Level Bar Graphs, Save & Recall Programs.
- **Footswitch Controls “A” and “B”** - Assignable functions include Memory Up/Down, Mutes, Reverb bypass and Tap Delay. Option Foot Switch
- **CHAN 1/2 INSTR: 1M ohm**
- **MIC/LINE Combo Jack Inputs: XLR balanced 1K ohm, 1/4” TRS 10K ohm**
- **CHAN 4 TS Inputs: 1M ohm 1/4” input jacks**
- **Phantom Power: +48V**
- **Frequency Response: 20hz - 19Khz +/- 1db**
- **Displays**: Color Graphic LCD; phantom power
- **Connectors: CH1 & 2**: Input jacks (Combo Jack - mic XLR 1/4” Line, 1/4” INSTR), Ch3: (Combo Jack - Mic XLR 1/4” Line) **CH4**: (1/4” Line),  
Output 2 - 1/4” TRS jack  
Output 1 - XLR L/R outputs,  
Power supply - DC in jack
- **Accessories**: AC cord, AC adaptor.

Product specifications subject to change without notice.

For most updated details, please visit: [www.eliteacoustics.com](http://www.eliteacoustics.com) or contract us via email.



**Legal Notice: CALIFORNIA PROPOSITION 65 WARNING**  
**WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://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](mailto: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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