

Elite Acoustics Engineering **M2-6 or M26U* Acoustic Amplifier with** **4 Channels, Mixer, Effects,** **and Bluetooth®** *Quick Guide Handbook*



Elite Acoustics' M2-6, M26U* Acoustic Amplifier with Mixer, Effects, and Bluetooth® features an ergonomically sculpted cabinet for inclined-horizontal or vertical placement; 6-1/2 inch woofer for superior bass response along with a 1 inch silk-dome tweeter to deliver maximum clarity. M2-6 offers 4 input channels and 16 Digital Effects with a high-efficiency Class D bi-amp. The Master Section contains a 3-band EQ, Monitor Volume and stereo AUX input with level control. Selectable Direct Out or Main Outputs are provided for seamless system expansion.

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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. Oct 2021.

WHAT IS IN THE BOX

Your M2-6 or M26U package contains the following:

- (1) Speaker M2-6 or M26U*
- (1) 12V AC Power Supply Adapter

Refer to Page 2 and 4, for the following Controls

QUICK START

1. Check that the Battery Switch [49] is set to the "Connect" position. (Battery Switch is a built in circuit breaker to preserve battery life.)
2. Make sure the SPEAKER VOLUME [3] control is turned all the way down.
3. Connect microphones and/or instruments. You can use Channel 1 or Channel 2, or both. If using Channel 1, be sure the Instr-Mic/Line push-switch [22] is not pushed in when using a mic or line level signal. Microphones are connected to the XLR MIC IN [29], for 1/4" Line Levels signals use [28], and use [27] for unbuffered instrument applications (note this is a high gain setting and should not be used for active outputs such as battery powered guitar preamps).
4. Turn on the POWER switch [50]
5. If desired, connect a Bluetooth® [13] device; see Bluetooth® Function on page 3.
6. Turn on your source signal(s) and adjust level for normal operation. Turn up GAIN [14] until there is a solid green LED showing "signal" at the desired playing level. The red "peak" LED, indicating too much signal, should only light for very brief periods, less than one second, or not at all. Note if you are using an iPhone or iPad via Bluetooth®, set the volume on your device about halfway. Maximum volume will distort.
7. Adjust the SPEAKER VOLUME [3] to a comfortable level.

TOP PANEL CONTROLS

LED's:

- [1] Power: Blue indicates unit is ON
- [2] +48V LED: Orange indicates Phantom Power is on

Monitor Output Controls

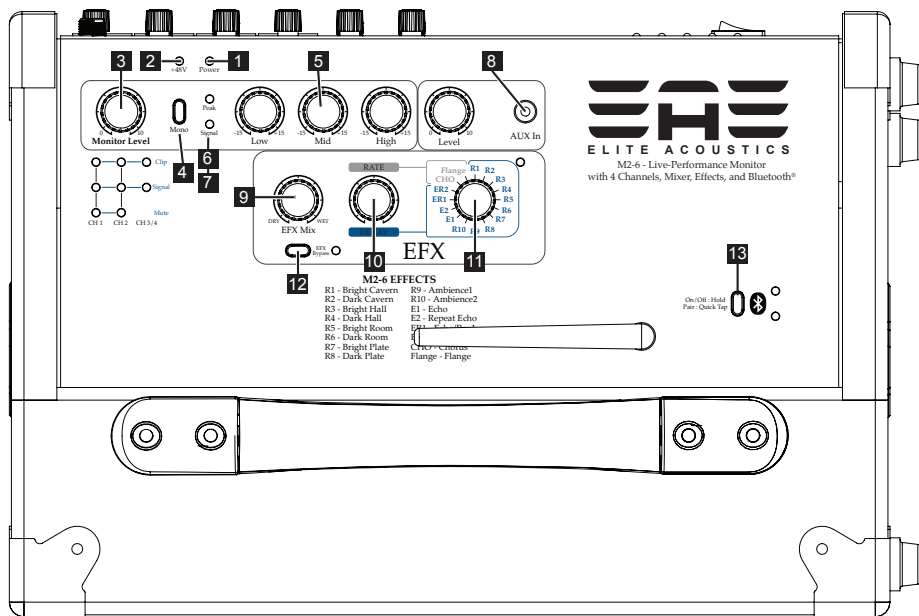
- [3] Speaker Volume: Control speakers' volume level
- [4] Mono: Changes speaker output from Left Only to Mono
- [5] Equalizer: Adjust High, Mid, and Low Frequency response
- [6] Peak LED: RED indicate Signal Clip
- [7] Signal LED: GREEN indicate Signal Present
- [8] Aux Input/Level: Connect audio source with 1/8" jack from MP3/CD player, etc.

Effects Controls

- [9] Effects Mix: Amount of effect being added to output
- [10] Rate/Decay: Controls the duration of the effect
- [11] Effects Knob Selector: Select effect of choice
- [12] EFX Bypass: Turn effects on or off (When LED is on, the effects are turned off)

[13] Bluetooth: Activate Bluetooth function

TOP PANEL



REAR PANEL CONTROLS

Channel 1

- [14] Gain: Apply gain for level control
- [15] Mute: Mute Channel
- [16] EFX/AUX Send Level: Adjust the level to “send” out
- [17] EFX/AUX select: select whether you are sending to internal EFX or external AUX bus
- [18] PAD: fixed attenuation for “hot” signals
- [19] Notch Filter: set amount of cut or boost for Notch Filter
- [20] Frequency: set the frequency of the Notch Filter
- [21] Phase: Reverse the phase of input waveform
- [22] Instr-Mic/Line: Select input source; Instrument or Mic/ Line input
- [23] High: set amount of High Frequency cut or boost
- [24] Mid: set amount of Mid Frequency cut or boost
- [25] Mid Frequency: set the frequency of the Mid cut or boost
- [26] Low: set amount of Low Frequency cut or boost
- [27] Instrument: 1/4" TS input
- [28] Line: 1/4" TS input
- [29] Mic: XLR for Microphone Input

Channel 2

- [30] Gain: Apply gain for level control
- [31] Mute: Mute Channel
- [32] EFX/AUX Send Level: Adjust the level to “send” out
- [33] EFX/AUX select: select internal EFX or external AUX bus
- [34] PAD: fixed attenuation for “hot” signals
- [35] Line: 1/4" TS input
- [36] Mic In: XLR for Microphone Input

Channel 3/4

- [37] Level: Set the gain for both channels 3 & 4
- [38] EFX Send Level: Adjust the level to “send” out
- [39] Left (Mono): 1/4" mono TR input
- [40] Right: 1/4" mono TR input

[41] **Monitor Right Output:** Connect to another speaker using 1/4" TS

[42] **Foot Switch:** TR footswitch to control Effects Bypass remotely

[43] **AUX Send:** 1/4" TR output

[44] **AUX Return:** 1/4" TR input

[45] **Main Outputs / Chan 1/2 Direct Output:** Select source of XLRs as Main mix or Direct Outputs for Chan 1 & 2

[46] **Output Level: Set output level for XLRs**

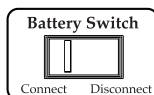
[47] Left: XLR Left Output

[48] Right: XLR Right Output

[49] **Battery Switch:** Built in Circuit Breaker to preserve battery life.

Connect: Enable battery power when using unit

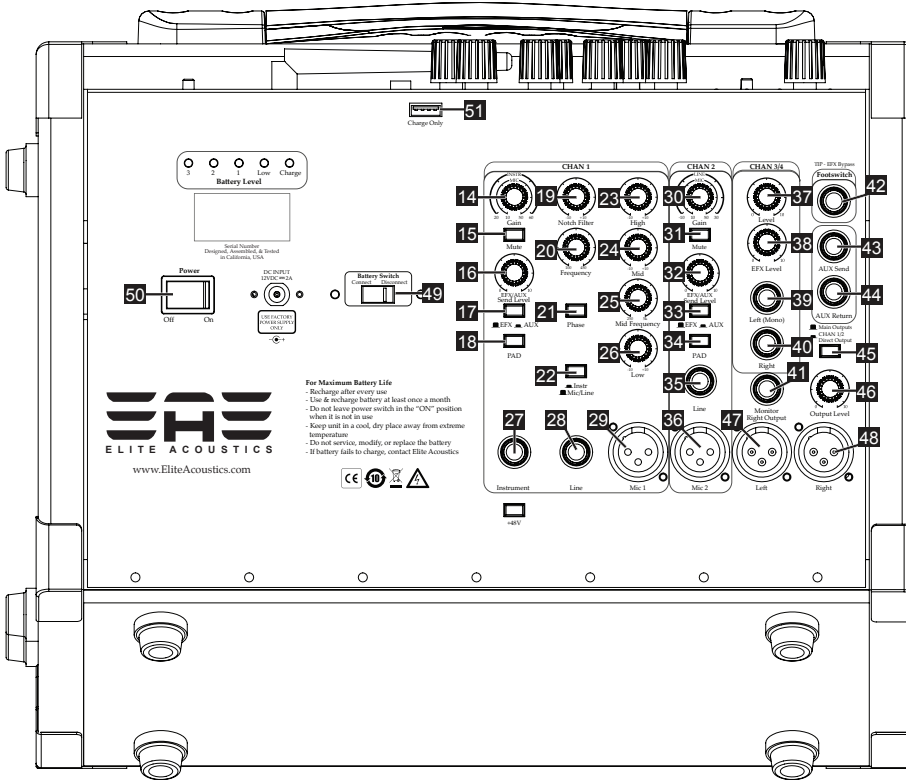
Disconnect: Disable battery power when storing unit to preserve battery life



[50] **Power Switch:** Turn you speaker on or off

[51] **USB Charging Dock:** Conveniently recharge your portable devices

REAR PANEL



BLUETOOTH® FUNCTION

1. Turn Bluetooth® function ON/OFF;

Press the MODE button and hold for approximately 5 seconds
Both LEDs will flash at the same time

2. Pair device to the speaker system

While both LED's are flashing, quickly tap the MODE button once

Both Flashing LED: indicate Bluetooth® is ready to be paired

Flashing Blue LED only: indicate Bluetooth® is connected

DIGITAL EFX

EFFECTS

R1 BRIGHT CAVERN
R2 DARK CAVERN
R3 BRIGHT HALL
R4 DARK HALL
R5 BRIGHT ROOM
R6 DARK ROOM
R7 BRIGHT PLATE
R8 DARK PLATE
R9 AMBIENCE1
R10 AMBIENCE2
E1 ECHO
E2 REPEAT ECHO
ER1 ECHO/REV1
ER2 ECHO/REV2
CHO CHORUS
FLANGE FLANGE

16 DIGITAL EFX PROGRAMS

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- 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 (11) is for program change.
- Parameter knob (10) to change rate or delay time for the program that is set.
- Mix knob (9) is to fine turn the amount of EFX you want in output mix.
- EFX can be bypassed by Pressing the bypass switch (12)
- EFX send levels for each channel is set by on the rear panel (16 and 32, 38) 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 (14, 30, 37). 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.
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- Battery not Holding Charging
- 1) Power unit off and charge the unit for 6 hours with Battery switch in Connected position. If problem still persist, contact support@eliteacoustics.com for battery replacement instructions.
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SYSTEM SPECIFICATIONS

Speakers:

Woofers = 6 1/2"

Tweeter = 1" Silk-Dome

Optimized front ports for extended low-frequency response

Frequency response 70Hz - 20k Hz

Amplifier:

Ultra High-Efficiency Class D 3

Original M2-6 units- 30W Bi-AMP

New Production M26U* units - 50 Watt Bi-Amp

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:

Original M2-6 units - Built-in SLA type, rechargeable [12V, 9Ah/20hr]

SLA Typical recharge time ~ 20 hours

Play time ~ 5 to 6 hours

New Production - M26U* - units with Lithium Iron Phosphate (LiFePO4) battery.

Battery Type: LiFePO4 Lithium Iron Phosphate (5500mAh)

Typical Charge Time - 5.5 hours

Power Supply:

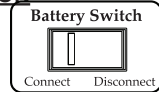
DC 12V, 3000 mA

Physical:

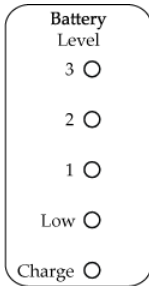
Dimensions: 13"L x 11"W x 9"H

Weight: 24 lbs

M26U - 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. Blue “Charge” LED should be lit, Charge time can vary from 5 to 6 hours
 - e. Once it is fully charged LED “Blue 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.



- New Porudction - M26U Battery Meter -
-
- 3 - Charged. This LED will turn on when battery is fully charge and will turn off once the unit is powered ON after a full charge. This LED is not part of the battery level meter.
- 2 - normal
- 1 - normal
- LOW - less then 10%
- CHARGE - charging LED will turn off when battery is fully charged.

FOR MAXIMUM BATTERY LIFE

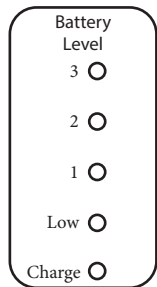
- Battery Type: LifePO4 - Lithium Iron Phosphate.
- Charge Battery when is LOW or Depleted.
- Use & recharge battery at least once a month
- DO NOT leave power switch in the “ON” position when it is not in use. Doing so after a long period of time will damage the battery
- If unit is always plugged in, 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

ORIGINAL M2-6 SLA 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. Blue “Charge” LED should be lit, Charge time can vary from 24 – 36 hours depending on model.
2. When unit is powered with “AC” adaptor, Battery Switch should be in “CONNECT” position.
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 charging the battery at least once each month.
4. SLA battery lifetime is typically 1 – 2 years depending on usage.

SLA FOR MAXIMUM BATTERY LIFE

- Recharge after every use
- 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
- 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 Designs





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 UNDESIRABLE OPERATION.

WARRANTY (USA ONLY)

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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Outside of the USA - Contact the Distributor in your area for service and warranty info.

For a copy of the complete User's Manual, please visit: www.EliteAcoustics.com