

# MOSAIC

## MULTI-EFFECT PROCESSOR

The manufacturer may continuously upgrade and optimize this product and may change its appearance, specifications, packaging, included accessories, or other details without prior notice. Product images are for reference only and may differ slightly from the actual product because of lighting or display differences. Before purchase, confirm the actual functions and specifications with your local dealer

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# INSTRUCTIONS FOR USE

## Power Supply and Battery Safety

**Power supply requirements:** This device is powered through a USB Type-C port. Use a DC 5V 1A power adapter for charging or continuous power.

**Built-in battery management:** The device has a built-in 1000mAh lithium

battery and can be used while charging. The indicator remains red while charging and turns green when fully charged. If the device will not be used for a long period, charge it every few months to protect battery life.

**Avoid extreme environments:** Do not expose the device to very high temperatures, such as direct sunlight on a car dashboard, or to extremely humid environments. This may overheat the battery or short-circuit the internal electronics.

## Device Connection and Hearing Protection

**Protect hearing and equipment:** Before wearing monitor headphones connected to the 3.5mm PHONES jack, or connecting an external guitar amplifier or mixer, turn the MASTER knob to minimum. After connecting, slowly raise the volume to a comfortable level.

**Connect and disconnect cables safely:** When inserting or removing 6.35mm instrument cables from INPUT or OUTPUT, keep the processor or downstream amplification muted or at low volume to prevent transient pops from damaging speakers.

**Use the correct connectors:** Use the mono and stereo connectors correctly. Connect guitars and other instruments to the 6.35mm TS mono input (1M ohm), and monitor headphones to the 3.5mm TRS stereo output (16 ohm). Do not interchange them.

## Screen and Knob Protection

**Handle gently:** The TFT screen and encoder knobs (MASTER/SELECTOR) are precision electronic components. Do not press the screen forcefully or twist or strike the knobs, as this may cause irreversible physical damage.

**Power-off protection:** When using the advanced REPLACE or SWAP save operations, ensure that the battery has sufficient charge or that power is connected. Do not force the device to shut down during saving, as preset data may be lost.

## Footswitch Operation and Maintenance

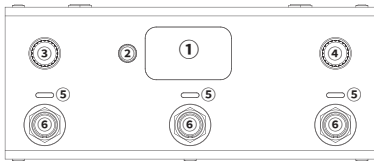
**Use moderate force:** Press the footswitches with normal force. Do not kick them or place your body weight on them, as this may damage the microswitches or base plate.

**Keep out liquids and dust:** Avoid use in muddy, wet, or dusty environments. If liquid is spilled, immediately power off and wipe the device dry to prevent a short circuit.

**Protect cables:** Keep audio and power cables clear of the footswitches to avoid stepping on connectors or dragging the device.

**Avoid scratches:** Flat-soled shoes are recommended. Do not use shoes with metal studs, which may scratch the panel or damage the metal caps.

# PANEL OVERVIEW



**1. 1.47-inch TFT screen:** Displays preset information, the effect chain, adjustable parameters, and device status.

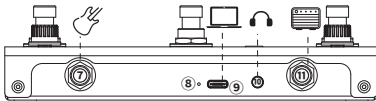
**2. Power button:** Press and hold to turn the device on or off.

**3. MASTER knob (encoder):** Turn to control the overall output volume. Outside the main interface, a pop-up shows the current master volume. Press briefly as the Home key to return to the main interface. Press and hold to save a preset.

**4. SELECTOR knob (encoder):** Turn to adjust parameter values, change presets or modules, and move the cursor. Press briefly to confirm a selection, enter editing, or switch pages.

**5. Footswitch indicators:** Linked to the A/B/C footswitches. They show the active tone in preset-bank mode, module on/off status in STOMP mode, and the selected position in parameter lists.

**6. A/B/C footswitches:** Used for preset switching, module on/off control, parameter-list switching, and other operations.



**7. 6.35mm TS input:** Mono input for a guitar, bass, or other instrument.

**8. Charging indicator:** Red while charging and green when fully charged.

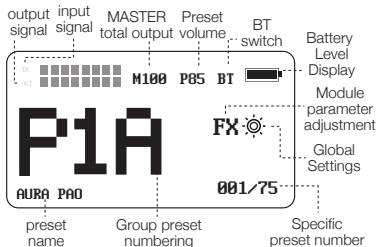
**9. USB-C port:** Connect a 5V supply for charging and use while charging. Connect to a computer as a USB audio interface for recording. Connect the official computer software for detailed parameter editing, preset management, IR import, theme and language changes, and firmware updates. Supports USB MIDI control. With an OTG adapter, connects to a phone or tablet for synchronized digital audio and video recording.

**10. 3.5mm TRS output:** Stereo output for monitor headphones.

**11. 6.35mm TS output:** Mono output for an amplifier or mixer.

# INTERFACE OVERVIEW

## Main Interface



The main interface appears after startup.

Turn and press the SELECTOR knob to access its functions.

### Footswitch functions on the main interface:

**Press A/B/C:** Select the corresponding tone in the bank

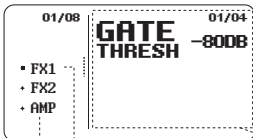
**Press A + B :** BANK -

**Press B + C :** BANK +

**Hold A + B:** STOMP

**Hold B + C :** TUNER

# Module Parameter Interface



Press footswitch A to enter the module list. Turn SELECTOR to choose a module or customize the module order.

Press footswitch C to switch the current module on or off.

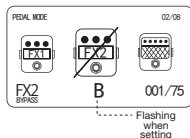
Press footswitch B to move to the parameter area for the selected module. Turn SELECTOR to choose an effect or adjust a parameter.

## Global Settings Interface

|                     |              |
|---------------------|--------------|
| <b>SETTINGS</b>     | <b>01/06</b> |
| <b>LOOPBACK</b>     | <b>OFF</b>   |
| <b>INPUT GAIN</b>   | <b>+0</b>    |
| <b>USB VOLUME</b>   | <b>100</b>   |
| <b>BT VOLUME</b>    | <b>100</b>   |
| <b>MIDI CHANNEL</b> | <b>0</b>     |
| <b>FIRMWARE</b>     | <b>0.5</b>   |

| Menu Item           | Range       | Function                                                                                                                    |
|---------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Loopback</b>     | on/off      | When enabled, external audio received through USB or BT can be mixed with the guitar signal and recorded again through USB. |
| <b>Input Gain</b>   | -20dB~+20dB | Adjusts the instrument input gain.                                                                                          |
| <b>USB Volume</b>   | 0 to 100    | Adjusts the volume of audio received through USB.                                                                           |
| <b>BT Volume</b>    | 0 to 100    | Adjusts the volume of audio received through BT.                                                                            |
| <b>MIDI Channel</b> | 0~16        | Sets the MIDI receive channel. Channel 0 enables omni mode.                                                                 |
| <b>Firmware</b>     | Version     | Displays the currently installed firmware version. .                                                                        |

## Stomp Interface

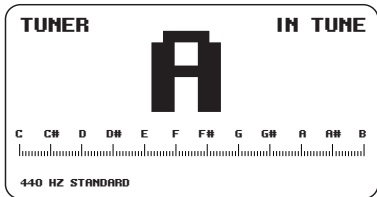


1. Hold SELECTOR to enter mapping setup.
2. Turn SELECTOR to select a target module, then press A, B, or C to assign it.
3. Hold SELECTOR to exit setup.

Note: Mappings are saved with the preset.

After the mapping is saved, enter the STOMP interface and press A, B, or C to independently switch the assigned effect module on or off.

# Tuner Interface

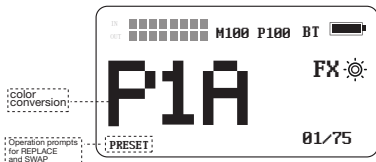


Turn SELECTOR to set the reference frequency or enable or disable mute tuning.

**Reference frequency:** Adjustable from 400Hz to 480Hz (default:440Hz).

**Mute tuning:** Enabled by default; output is muted while tuning.

## Preset Saving



**From the main interface:** Hold MASTER until the bank number changes color. Turn SELECTOR from the current preset to the target preset. Press SELECTOR, choose REPLACE or SWAP, then press SELECTOR again to save. A success message appears.

**Outside the main interface:** Hold MASTER to save the current preset parameters directly. A success message appears.

## BT

Mosaic contains two completely independent BT modules. Either can be enabled or disabled without affecting the other.

**Mosaic Audio (BT audio):**Receives media audio from a phone or tablet. Once connected, music from the phone can be used as accompaniment through the processor.

**Mosaic Midi (data BT):**Connects to the official mobile app for two-way parameter synchronization, control, and editing.

**Important:** Before first pairing, the Mosaic Midi module is hidden. Pair it directly inside the official mobile app. After pairing succeeds, the name appears in the phone's system BT settings.

## Companion Software

Connect Mosaic to a computer or phone to use the free companion software for complete device management, including tone editing, preset file import and export, NAM file import, third-party IR loading, and factory reset. The software supports Windows, Mac, Android, and iOS. Visit [www.LIVTRAMUSIC.com](http://www.LIVTRAMUSIC.com) to download and install it.



## Audio Interface Function

The device is a class-compliant USB audio interface. A computer recognizes it automatically as Mosaic. It also supports direct OTG connection to a phone or tablet for high-quality internal recording and live streaming.

## EFFECT LIST

### FX1

| FX1           |                                                                             |                                                                                            |
|---------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Effect        | Description                                                                 | Parameters                                                                                 |
| 1-4 gate      | Removes low-level background noise and cleans the playing signal.           | Threshold: noise gate threshold (-100.0 to 0.0 dB)                                         |
| 2-4 auto gate | Adaptive noise gate that automatically follows changes in the input signal. | No manual parameters. The device automatically detects and adapts to signal-level changes. |

|                       |                                                                        |                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3-4 NG-Com</b>     | Noise gate and compressor combined to optimize noise floor and dynamic | Gate: noise gate threshold (-100.0 to 0.0 dB)<br>Threshold: compression threshold (-60.0 to 0.0 dB)<br>Ratio: compression ratio (1.1:1 to 20.0:1)<br>Knee: transition hardness (0.0 to 24.0 dB)<br>Attack: attack time (0.0 to 200.0 ms)<br>Release: release time (0.0 to 1000.0 ms)<br>Makeup: gain compensation (-24.0 to 24.0 dB) |
| <b>4-4 compressor</b> | Smooths volume fluctuations and stabilizes tonal character.range.      | Threshold: compression threshold (-60.0 to 0.0 dB)<br>Ratio: compression ratio (1.1:1 to 20.0:1)<br>Knee: transition hardness (0.0 to 24.0 dB)<br>Attack: attack time (0.0 to 200.0 ms)<br>Release: release time (0.0 to 1000.0 ms)<br>Makeup: gain compensation (-24.0 to 24.0 dB)                                                  |

## FX2

| Effect             | Description                            | Parameters                                            |
|--------------------|----------------------------------------|-------------------------------------------------------|
| <b>1-11 scream</b> | Modeled after the Ibanez TS9 pedal.    | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100 |
| <b>2-11 Klone</b>  | Modeled after the Rya The Klone pedal. | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100 |

| Effect                | Description                                                              | Parameters                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3-11 OCD</b>       | Modeled after the Fulltone OCD pedal.                                    | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100                                                                                                                             |
| <b>4-11 DS2</b>       | Modeled after the Boss DS-2 pedal.                                       | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100                                                                                                                             |
| <b>5-11 PIFUZZ</b>    | Modeled after the EHX Big Muff Pi pedal.                                 | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100                                                                                                                             |
| <b>6-11 Range</b>     | Modeled after the Dallas-Arbiter Rangemaster pedal.                      | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100                                                                                                                             |
| <b>7-11 XAC</b>       | Modeled after the Xotic AC Booster pedal.                                | Gain: 0.0 to 1.0<br>Tone: 0 to 100<br>Level: 0 to 100                                                                                                                             |
| <b>8-11 Fiman</b>     | Modeled after the Friedman Marty Friedman pedal.                         | Boost: 0.0 to 1.0                                                                                                                                                                 |
| <b>9-11 Pitch</b>     | Pitch-shifting effect that changes the signal interval.                  | Pitch: interval (-12 to 12 st)<br>Fine: pitch fine-tune (-1.00 to 1.00)<br>Mix: dry/wet ratio (0 to 100)                                                                          |
| <b>10-11 env wah</b>  | Envelope wah. Playing dynamics automatically trigger the filter sweep.   | Freq: center frequency (10.0 to 20kHz)<br>Env: envelope sensitivity (0.00 to 20kHz)<br>Q: resonance (0.1 to 20.0)<br>Mix: dry/wet ratio (0 to 100)                                |
| <b>11-11 auto wah</b> | Automatic wah. The filter sweeps cyclically using the selected waveform. | Freq: center frequency (163 to 3.5kHz)<br>Sweep: sweep range (0 to 100)<br>Rate: sweep rate (0.00 to 8.00Hz)<br>Shape: sweep waveform (0 to 100)<br>Mix: dry/wet ratio (0 to 100) |

## AMP

**Parameters:** Gain: gain amount (0.0 to 1.0);

Bass: low-frequency body (-10.0 to 10.0dB); Mid: midrange

presence (-10.0 to 10.0dB); Treble: brightness and clarity

(-10.0 to 10.0dB); Level: module output level (-10.0 to 10.0dB).

| <b>Effect</b>         | <b>Description</b>                                 |
|-----------------------|----------------------------------------------------|
| <b>1-30 BogXTC1</b>   | Modeled after Bogner XTC preamp tone 1.            |
| <b>2-30 BogXTC2</b>   | Modeled after Bogner XTC preamp tone 2.            |
| <b>3-30 ENGP1</b>     | Modeled after ENGL Powerball E645 preamp tone 1.   |
| <b>4-30 ENGP2</b>     | Modeled after ENGL Powerball E645 preamp tone 2.   |
| <b>5-30 Fd59Bm</b>    | Modeled after Fender 59 Bassman preamp tone.       |
| <b>6-30 Fd65Dk</b>    | Modeled after Fender 65 Darkface preamp tone.      |
| <b>7-30 Hiw103</b>    | Modeled after Hiwatt DR103 preamp tone.            |
| <b>8-30 MarDSL1</b>   | Modeled after Marshall DSL50 preamp tone 1.        |
| <b>9-30 MarDSL2</b>   | Modeled after Marshall DSL50 preamp tone 2.        |
| <b>10-30 Mar8001</b>  | Modeled after Marshall JCM800 preamp tone 1.       |
| <b>11-30 Mar8002</b>  | Modeled after Marshall JCM800 preamp tone 2.       |
| <b>12-30 MesR1</b>    | Modeled after Mesa Boogie Rectifier preamp tone 1. |
| <b>13-30 MesR2</b>    | Modeled after Mesa Boogie Rectifier preamp tone 2. |
| <b>14-30 MesR3</b>    | Modeled after Mesa Boogie Rectifier preamp tone 3. |
| <b>15-30 OgG120</b>   | Modeled after Orange Graphic 120 preamp tone.      |
| <b>16-30 Pey51501</b> | Modeled after Peavey 5150 preamp tone 1.           |
| <b>17-30 Pey51502</b> | Modeled after Peavey 5150 preamp tone 2.           |
| <b>18-30 Pey6505</b>  | Modeled after Peavey 6505 preamp tone.             |
| <b>19-30 RanT21</b>   | Modeled after Randall T2 preamp tone 1.            |
| <b>20-30 RanT22</b>   | Modeled after Randall T2 preamp tone 2.            |
| <b>21-30 RoJC120</b>  | Modeled after Roland JC-120 preamp tone.           |
| <b>22-30 SLO1001</b>  | Modeled after Soldano SLO-100 preamp tone 1.       |
| <b>23-30 SLO1002</b>  | Modeled after Soldano SLO-100 preamp tone 2.       |
| <b>24-30 SLO1003</b>  | Modeled after Soldano SLO-100 preamp tone 3.       |
| <b>25-30 VXAC30</b>   | Modeled after VOX AC30 preamp tone.                |
| <b>26-30 ApSVTVR</b>  | Modeled after Ampeg SVT VR preamp tone.            |
| <b>27-30 ApSVTCL</b>  | Modeled after Ampeg SVT-CL preamp tone.            |
| <b>28-30 Adn900</b>   | Modeled after Ashdown ABM900 EVO II preamp tone.   |

|                     |                                                |
|---------------------|------------------------------------------------|
| <b>29-30 Hiw320</b> | Modeled after Hiwatt Jupiter 320 preamp tone.  |
| <b>30-30 MarSup</b> | Modeled after Marshall Super Bass preamp tone. |

## CAB

**Parameters:** Low Cut: removes excess muddy bass (20.0 to 500Hz). High Cut: reduces harsh high-frequency edge (2k to 20kHz).

| Effect                 | Description                                                  |
|------------------------|--------------------------------------------------------------|
| <b>1-30 Bog412A</b>    | Bogner 4x12 cabinet tone A                                   |
| <b>2-30 Bog412B</b>    | Bogner 4x12 cabinet tone B                                   |
| <b>3-30 Eng412A</b>    | ENGL E412 Pro Vintage 30 4x12 cabinet tone A                 |
| <b>4-30 Eng412B</b>    | ENGL E412 Pro Vintage 30 4x12 cabinet tone B                 |
| <b>5-30 FdTR212</b>    | Fender Twin Reverb Darkface 2x12 cabinet tone                |
| <b>6-30 Fd59BM410</b>  | Fender 1959 Bassman 4x10 cabinet tone                        |
| <b>7-30 Hiw412</b>     | Hiwatt Brilliant 4x12 cabinet tone                           |
| <b>8-30 Mar412A</b>    | Marshall V30 4x12 cabinet tone A                             |
| <b>9-30 Mar412B</b>    | Modeled after Marshall V30 4x12 cabinet tone B.              |
| <b>10-30 Mar96412A</b> | Modeled after Marshall 1960B 4x12 cabinet tone A.            |
| <b>11-30 Mar96412B</b> | Modeled after Marshall 1960B 4x12 cabinet tone B.            |
| <b>12-30 Mes412A</b>   | Modeled after Mesa/Boogie Oversized V30 4x12 cabinet tone A. |
| <b>13-30 Mes412B</b>   | Modeled after Mesa/Boogie Oversized V30 4x12 cabinet tone B. |
| <b>14-30 Mes412C</b>   | Modeled after Mesa/Boogie Oversized V30 4x12 cabinet tone C. |
| <b>15-30 Og412</b>     | Modeled after Orange Vintage 30 4x12 cabinet tone.           |
| <b>16-30 pey412A</b>   | Modeled after Peavey 5150 4x12 cabinet tone A.               |
| <b>17-30 pey412B</b>   | Modeled after Peavey 5150 4x12 cabinet tone B.               |
| <b>18-30 peyVk412</b>  | Modeled after Peavey Valveking 4x12 cabinet tone.            |
| <b>19-30 Ran112A</b>   | Modeled after Randall RD112 1x12 cabinet tone A.             |
| <b>20-30 Ran112B</b>   | Modeled after Randall RD112 1x12 cabinet tone B.             |

|                      |                                                   |
|----------------------|---------------------------------------------------|
| <b>21-30 Ran112C</b> | Modeled after Randall RD112 1x12 cabinet tone C.  |
| <b>22-30 SLO412A</b> | Modeled after Soldano SLO412 4x12 cabinet tone A. |
| <b>23-30 SLO412B</b> | Modeled after Soldano SLO412 4x12 cabinet tone B. |
| <b>24-30 SLO412C</b> | Modeled after Soldano SLO412 4x12 cabinet tone C. |
| <b>25-30 AC30212</b> | Modeled after VOX AC30 2x12 cabinet tone.         |
| <b>26-30 AP810</b>   | Modeled after Ampeg 8x10 cabinet tone.            |
| <b>27-30 Ap410</b>   | Modeled after Ampeg SVT 4x10 cabinet tone.        |
| <b>28-30 Adn410</b>  | Modeled after Ashdown 4x10 cabinet tone.          |
| <b>29-30 HiwB410</b> | Modeled after Hiwatt B410 4x10 cabinet tone.      |
| <b>30-30 Mar412</b>  | Modeled after Marshall 4x12 cabinet tone.         |

## DEL

| Effect             | Description                                                               | Parameters                                                                                             |
|--------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>1-8 bbd</b>     | Classic BBD analog delay with warm vintage tape character.                | Delay: 1 to 2000ms<br>Feedback: 0 to 95<br>Age: 0 to 100<br>Mix: 0 to 100                              |
| <b>2-8 digital</b> | Clean, transparent digital delay suitable for many styles.character.      | Time: 0.1 to 3000ms<br>Feedback: 0 to 95<br>Mix: 0 to 100                                              |
| <b>3-8 duck</b>    | Ducking delay lowers repeats while playing to prevent muddiness.          | Time: 0.1 to 3000ms<br>Feedback: 0 to 95<br>Filter: 0 to 100                                           |
| <b>4-8 Ice</b>     | Pitch-shifted delay with anairy, frozen ambience.                         | Time: 0.1 to 3000ms<br>Feedback: 0 to 95<br>Interval: -12 to 12st<br>Mix: 0 to 100                     |
| <b>5-8 reverse</b> | Reverses the delayed signalto create a dreamlike spatial effect.          | Time: 0.1 to 3000ms<br>Feedback: 0 to 95<br>Mix: 0 to 100                                              |
| <b>6-8 lofi</b>    | Lo-fi delay with bit-depth distortion and aged tape character.            | Time: 2.0 to 3000ms<br>Feedback: 0 to 95<br>Bit Depth: 4 to 16b<br>LoFi Mix: 0 to 100<br>Mix: 0 to 100 |
| <b>7-8 smear</b>   | Diffuse delay that softens and blurs repeats for a smooth spatial spread. | Time: 0.1 to 3000ms<br>Feedback: 0 to 95<br>Smear: 0 to 100<br>Filter: 0 to 100<br>Mix: 0 to 100       |

|                |                                                                |                                                                                                                   |
|----------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>8-8 mod</b> | Modulated delay with pitch movement for a richer layered tone. | Time: 0.1 to 3000ms<br>Feedback: 0 to 95<br>Mod Depth: 0.0 to 20.0ms<br>Mod Rate: 0.05 to 5.00Hz<br>Mix: 0 to 100 |
|----------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

## MOD

| Effect             | Description                                                                       | Parameters                                                                                                          |
|--------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>1-5 chorus</b>  | Classic chorus that widens the sound field and adds fullness.                     | Rate: 0.10 to 3.74Hz<br>Depth: 0.00 to 1.00ms                                                                       |
| <b>2-5 phaser</b>  | Cyclic phase sweep with a flowing, rotating character                             | Rate: 0.05 to 5.00Hz<br>Feedback: -95 to 95<br>Mix: 0 to 100                                                        |
| <b>3-5 flanger</b> | Comb-filtered flanging with an airy metallic character.                           | Rate: 0.05 to 5.00Hz<br>Feedback: -95 to 95<br>Mix: 0 to 100                                                        |
| <b>4-5 tremolo</b> | Volume tremolo that raises and lowers level cyclically according to the waveform. | Rate: 0.01 to 20.0Hz<br>Depth: 0 to 100<br>Wave:Sine/Triangle/Square/Saw<br>Smooth: 0.00 to 40.0Hz<br>Mix: 0 to 100 |
| <b>5-5 vibrato</b> | Pitch vibrato that adds subtle cyclic pitch movement.                             | Rate: 0.01 to 20.0Hz<br>Depth: 0.0 to 20.0ms<br>Wave:<br>Sine/Triangle/Square/Saw<br>Mix: 0 to 100                  |

## REV

| Effect           | Description                                                                      | Parameters                                                                                                    |
|------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>1-7 room</b>  | Room reverb simulating a small indoor space with a compact, natural sound field. | Decay: 0.5 to 12.0s<br>Pre Delay: 0.0 to 80.0ms<br>Tone: 0 to 100<br>Mod: 0 to 100<br>Mix: 0 to 100           |
| <b>2-7 plate</b> | Classic metal-plate reverb with warm, smooth vintagetone.                        | Decay: 0.0 to 12.0s<br>Pre Delay: 5.0 to 80.0ms<br>Crossover: 800Hz to 8kHz<br>Mod: 0 to 100<br>Mix: 0 to 100 |

|                    |                                                                                      |                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>3-7 hall</b>    | Hall reverb simulating a large concert hall with a broad, grand space.               | Decay: 0.5 to 12.0s<br>Pre Delay: 0.0 to 80.0ms<br>HF Damp: 0 to 100<br>Mod: 0 to 100<br>Mix: 0 to 100     |
| <b>4-7 concert</b> | Concert-hall reverb with a clear, orderly sound field suited to solo performance.    | Decay: 0.5 to 12.0s<br>Pre Delay: 0.0 to 80.0ms<br>Tone: 0 to 100<br>LF Damp: 0 to 100<br>Mix: 0 to 100    |
| <b>5-7 spring</b>  | Spring reverb recreating a vintage amplifier spring tank for classic rock character. | Decay: 0.5 to 12.0s<br>Pre Delay: 0.0 to 80.0ms<br>Tone: 0 to 100<br>Mod: 0 to 100<br>Mix: 0 to 100        |
| <b>6-7 shimmer</b> | Shimmer reverb with pitch-shifted harmonics for an airy, dreamlike ambience.         | Decay: 0.0 to 12.0s<br>Pre Delay: 5.0 to 120.0ms<br>Tone: 0 to 100<br>Pitch: -24 to 24st<br>Mix: 0 to 100  |
| <b>7-7 cloud</b>   | Cloud ambience reverb with very long decay and gentle modulation.                    | Decay: 1.0 to 100.0s<br>Tone: 0 to 100<br>Mod Depth: 0 to 100<br>Mod Rate: 0.02 to 0.25Hz<br>Mix: 0 to 100 |

## EQ

| Effect         | Description                                                                   | Parameters                                                                                                                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1-3 eq3</b> | Three-band EQ for quick low, mid, and high tone adjustment.                   | Low: -15 to 15dB<br>Mid: -15 to 15dB<br>High: -15 to 15dB                                                                                                                                                                                                  |
| <b>2-3 eq6</b> | Six-band parametric EQ for detailed multi-band tone shaping.                  | B2 (120): 120Hz (-15 to 15dB)<br>B3 (250): 250Hz (-15 to 15dB)<br>B4 (500): 500Hz (-15 to 15dB)<br>B5 (1K): 1kHz (-15 to 15dB)<br>B6 (2K): 2kHz (-15 to 15dB)<br>B7 (4K): 4kHz (-15 to 15dB)                                                               |
| <b>3-3 eq8</b> | Eight-band full-range EQ for precise tone shaping across the entire spectrum. | B1 (60): 60Hz (-15 to 15dB)<br>B2 (120): 120Hz (-15 to 15dB)<br>B3 (250): 250Hz (-15 to 15dB)<br>B4 (500): 500Hz (-15 to 15dB)<br>B5 (1K): 1kHz (-15 to 15dB)<br>B6 (2K): 2kHz (-15 to 15dB)<br>B7 (4K): 4kHz (-15 to 15dB)<br>B8 (8K): 8kHz (-15 to 15dB) |

# Disclaimer

The manufacturers and product names mentioned in this list are used solely to objectively describe the tonal performance and functional characteristics of related products. They do not constitute a recommendation, approval, or endorsement of any manufacturer or product, nor any form of quality guarantee or usage advice. All trademarks are the lawful property of their respective owners. Their use here is only to help explain product information and does not infringe exclusive trademark rights.

## MIDI Control

This device supports comprehensive remote control through the standard MIDI protocol. You can quickly change tones, switch individual effects, or use an expression pedal for precise real-time parameter control by configuring the MIDI control command table. The MIDI control command table must be downloaded separately from the official website.

## SPECIFICATIONS

- A/D/A conversion: 24-bit
- Sampling rate: 44.1kHz
- Signal-to-noise ratio: 103dB
- Frequency band: 2400MHz to 2483.5MHz (2.4GHz ISM band)
- Maximum RF power transmitted in the operating band: 6.4dBm (EIRP)
- Effect modules: supports up to 8+1 effect modules
- Presets: 75 preset locations, including 48 factory presets

- **Analog input connection**

- Input: 6.35mm (1/4 in) unbalanced TS, impedance 1M ohm

- **Analog output connections**

- Output: 6.35mm (1/4 in) unbalanced TS, impedance 100 ohm

- Stereo headphone output: 3.5mm (1/8 in) TRS, impedance 16 ohm

- **Digital connection**

- USB port: USB 2.0 Type-C

- **USB recording specifications**

- Sampling frequency: 44.1kHz

- Bit depth: 24-bit

- **Dimensions and weight**

- Dimensions: 168mm (L) x 71mm (W) x 43.5mm (H)

- Weight: approximately 395g

- Power

- Power requirement: USB-C, DC 5V 1A

- Built-in lithium battery: 1000mAh

- **Included accessories**

- USB-C data cable, manual, and belt-clip accessory

## **TROUBLESHOOTING**

If you encounter any of the following problems while using Mosaic, first follow this guide for basic troubleshooting. If the problem remains, contact official after-sales support.

### **1. The device will not power on**

**Battery depleted:** The battery may be completely empty.

Connect the device with a compliant USB-C data cable and 5V 1A power adapter. Check that the charging indicator is solid red. Charge briefly, then hold the power button.

**Button operation:** Confirm that you are pressing and holding the power button.

## 2. The display is active, but there is no sound

**Master volume too low:** Check whether the MASTER knob is at minimum. Turn it clockwise slowly to raise the volume.

**Incorrect connection:** Confirm that the instrument is connected to the 6.35mm INPUT. Do not connect headphones to the 6.35mm output; monitor headphones must use the 3.5mm PHONES jack.

**Mute tuning is active:** Check whether the tuner interface is open with mute tuning enabled. Press SELECTOR or MASTER briefly to leave the tuner.

**Module level too low:** Check whether Level for AMP, CAB, or another effect in the current chain is set to 0 or very low.

## 3. Excessive background noise or obvious electrical hum

**Gain or distortion too high:** High-gain tones naturally amplify background noise. Check the AMP Gain setting and distortion effect parameters.

**Noise gate disabled:** Enable gate, auto gate, or NG-Com near the beginning of the effect chain, such as in FX1, and raise Threshold until the noise is removed.

**Power interference:** When charging during use, an unfiltered low-quality adapter may introduce AC noise. Disconnect the charging cable and test on the internal battery. If the noise disappears, use a higher-quality adapter.

**Cable problem:** Check whether the guitar cable has poor shielding or is worn. Try a high-quality instrument cable.

## 4. BT will not connect or the device cannot be found

**Hidden Mosaic Midi:** The Mosaic Midi module used for parameter control is hidden before first pairing. Do not search blindly in the phone's system BT settings. Open the official mobile app and pair from its connection screen.

**Wrong connection target:** For accompaniment playback, connect to Mosaic Audio in the phone's system BT settings. For preset editing, connect to Mosaic Midi inside the app.

## **5. No sound in phone or computer USB recording or live streaming**

**Audio input volume:** In Global Settings, check whether USB Volume is set to 0.

**Loopback disabled:** To record accompaniment from the computer or phone together with the guitar, set Loopback to on in Global Settings.

**Incompatible OTG cable:** Use an OTG adapter that supports data transfer. A charge-only cable cannot carry audio data.

**System device selection:** In the computer or DAW audio settings, select Mosaic Midi as both the input and output device.

## **6. Edited tone parameters are lost after restart**

**Save operation not performed:** Preset module edits are not saved automatically. Outside the main interface, hold MASTER; or from the main interface, use REPLACE or SWAP and confirm the save. Parameters are stored permanently only after the success message appears. Unsaved edits are lost when another preset is selected or the device is powered off.

## **FCC Warning Statement**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



# MOSAIC

**MULTI-EFFECT PROCESSOR**

## 用户手册 **CN**

※本公司有权对产品进行持续升级与优化，可随时调整产品的外观、规格参数、包装设计、配套配件及相关细节，前述调整恕不另行通知。产品图片因拍摄光线、设备屏幕显示差异等因素，可能与实物存在轻微色差，仅供参考。为确保您选购到符合需求的产品，请在购买前向当地经销商确认产品实际功能及规格。

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# 使用须知

## 供电与电池安全说明

**电源规格匹配：**本设备采用 USB Type-C 接口供电，请务必使用符合 DC 5V 1A 规格的电源适配器进行充电或持续供电。

**内置电池管理：**设备内置 1000mAh 锂电池，支持边充边用。充电时指示灯显示为红灯常亮，充满电后指示灯自动转绿色。若长时间不使用本设备，建议每隔几个月为其充电一次，以保护锂电池寿命。

**避免极端环境：**请勿将设备暴露在极高温（如阳光直射的汽车仪表盘上）或极度潮湿的环境中，以防电池过热或内部电路短路。

## 设备连接与听力保护

**保护听力与设备：**在佩戴监听耳机（接入 3.5mm PHONES 接口）或连接外部吉他音箱/调音台之前，请务必先将 MASTER 旋钮（总输出音量）调至最低。佩戴/连接完毕后，再缓慢增加音量至舒适的听觉水平。

**安全插拔线材：**在接入或拔出 6.35mm 乐器输入线（INPUT）和输出线（OUTPUT）时，请尽量保持效果器或后端扩声设备处于静音或低音量状态，以免产生瞬间的爆音损坏音箱喇叭。

**正确区分接口：**请认准单声道与立体声接口。吉他等乐器请接入 6.35mm TS 单声道输入（阻抗 1M $\Omega$ ）；监听耳机请接入 3.5mm TRS 立体声输出（阻抗 16 $\Omega$ ），切勿混接以免造成声音异常或设备损坏。

## 屏幕与旋钮操作保护

**温柔操作：**面板上的 TFT 屏幕及编码器旋钮（MASTER / SELECTOR）为精密电子部件，请勿用力按压屏幕或暴力旋转、敲击旋钮，以免造成不可逆的物理损坏。

**断电保存：**在进行“覆盖保存（REPLACE）”或“交换保存（SWAP）”的高级操作时，请确保设备电量充足或已连接电源，切勿在保存进度中强制关机，以免预设数据丢失。

## 踩钉操作与维护

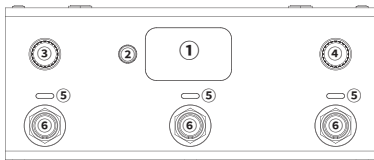
**适度踩踏：**请以正常力度踩踏，切勿暴力猛踹或将身体重心压上，以免损坏微动开关或设备底板。

**防液防尘：**避免在泥水、多尘环境使用。若不慎泼洒液体，请立即断电并擦干，防止渗液引发短路。

**注意线缆：**确保踩钉周围无缠绕的音频/电源线，避免盲踩时误伤线材接口或拖拽设备。

**避免刮擦：**建议穿平底鞋操作，切勿穿带有金属钉的鞋子踩踏，以防刮花面板或损坏金属帽。

## 面板介绍



① **1.47英寸 TFT 屏幕：**用于显示预设信息、效果链、可调参数及设备状态。

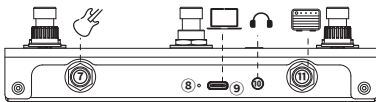
② **开关机按键：**长按进行开机或关机。

③ **MASTER 旋钮（编码器）**：旋转控制机器总输出音量（在非主界面旋转时，屏幕会有弹窗提示当前总输出音量）。短按作为 Home 键，返回主界面。长按进行预设保存操作。

④ **SELECTOR 旋钮（编码器）**：旋转调节参数值、切换预设/模块、移动光标。短按确认选择、进入编辑界面、切换页面。

⑤ **踩钉指示灯**：与 A/B/C 踩钉联动，在预设组模式下指示当前激活音色；在 STOMP 模式下提示模块开关状态；在参数列表界面提示当前选中项位置。

⑥ **A/B/C 踩钉**：支持预设切换、模块开关控制、参数列表切换等操作。



⑦ **6.35mm TS 输入接口**：单声道输入，用于连接吉他/贝斯等乐器。

⑧ **充电指示灯**：充电时红灯常亮，充满转绿色。

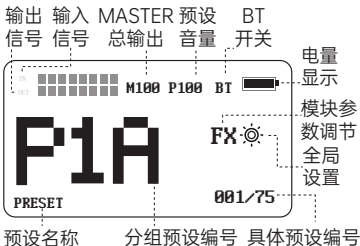
⑨ **USB-C 接口**：连接 5V 电源充电（支持边充边用）。作为 USB 音频接口（声卡）连接电脑进行录音。连接官方电脑上位机软件进行参数精调、预设管理、IR 导入、更换系统主题、语言及固件升级。支持 USB MIDI 协议连接控制设备。搭配 OTG 转接器连接手机/平板实现音画同步的数字录音。

⑩ **3.5mm TRS 输出接口**：立体声输出，用于连接监听耳机。

⑪ **6.35mm TS 输出接口**：单声道输出，用于连接音箱或调音台设备。

# 界面介绍

## 主界面



开机后默认进入主界面。

通过旋转和短按 SELECTOR 旋钮可访问主界面的各项功能。

### 主界面下踩钉功能:

#### 短按单钉 (A/B/C) : 组内对应音色

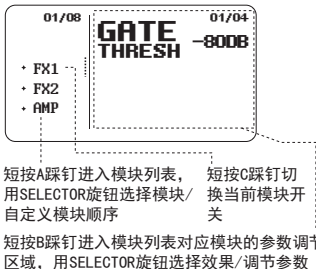
短按 A + B : BANK -

短按 B + C : BANK +

长按 A + B : STOMP

长按 B + C : TUNER

## 模块参数界面

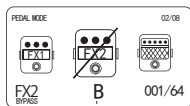


## 全局设置界面

|                     |              |
|---------------------|--------------|
| <b>SETTINGS</b>     | <b>01/06</b> |
| <b>LOOPBACK</b>     | <b>OFF</b>   |
| <b>INPUT GAIN</b>   | <b>+0</b>    |
| <b>USB VOLUME</b>   | <b>100</b>   |
| <b>BT VOLUME</b>    | <b>100</b>   |
| <b>MIDI CHANNEL</b> | <b>0</b>     |
| <b>FIRMWARE</b>     | <b>0.5</b>   |

| 菜单项          | 参数范围        | 功能描述                                           |
|--------------|-------------|------------------------------------------------|
| Loopback     | on/off      | 开启后，通过 USB 或 BT 输入的外部音频，可混合吉他信号再次通过 USB 录入。    |
| Input Gain   | -20dB~+20dB | 调节乐器输入的增益。                                     |
| USB Volume   | 0~100       | 调节 USB 接口输入的音频音量。                              |
| BT Volume    | 0~100       | 调节BT输入的音频音量。                                   |
| MIDI Channel | 0~16        | MIDI 通道：0~16用于设置设备接收 MIDI 控制通道；通道设为0时，开启全通道模式。 |
| Firmware     | 版本号         | 显示当前设备运行的固件版本。                                 |

## Stomp界面

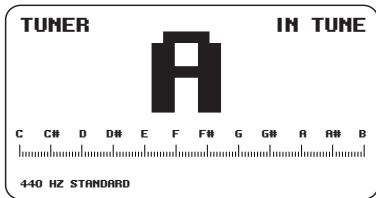


设置时闪烁

1. 长按 SELECTOR 旋钮进入映射设置
2. 旋转SELECTOR旋钮选择目标模块，短按A/B/C完成映射绑定
3. 长按SELECTOR旋钮退出设置  
提示：映射设置随预设同步保存

映射设置保存生效后，进入 STOMP界面，短按 A/B/C 踩钉即可独立控制对应绑定效果模块的开关。

## 调音表界面



用 SELECTOR 旋钮旋转选择参考频率调节或静音调音开关。

**参考频率：**可调范围 400Hz ~ 480Hz（默认 440Hz）。

**静音调音：**默认打开，调音时输出静音。

## 预设保存操作



在主界面下 ——

长按 MASTER 旋钮，分组预设编号转色。旋

转 SELECTOR 旋钮，当前预设→目标预设

短按 SELECTOR 旋钮，旋转选择 REPLACE  
（覆盖）或 SWAP（交换）操作。再次短按

SELECTOR 旋钮确认保存，屏幕弹出保存成功提示。

在非主界面下 ——

长按 MASTER 旋钮，直接保存当前预设参  
数，屏幕弹出保存成功提示。

# BT

Mosaic 内置完全独立的双模 BT 模块，两者可单独开启或关闭，互不干扰。

## Mosaic Audio（BT音频）：

用于接收手机或平板的媒体音频。连接后，可将手机音乐作为伴奏输入至效果器。

## Mosaic Midi（数据BT）：

用于连接官方手机 APP，实现双向参数同步控制与修改。

**！注意：**Mosaic Midi 模块在首次配对前处于“隐藏”状态。请务必**直接在官方手机 APP 内部完成配对**，配对成功后，该名称才会显现在手机系统的BT设置列表中。

# 配套软件

将 Mosaic 连接至电脑或手机，即可使用免费的配套软件对您的设备进行全面管理，如调节音色、导入/导出预设文件、导入 NAM 文件、加载第三方 IR 文件以及恢复出厂设置等。软件支持电脑端（Windows、Mac）及移动端（Android、iOS）。请访问 [www.LIVTRAMUSIC.com](http://www.LIVTRAMUSIC.com) 下载安装即可使用。



# 声卡功能

设备支持免驱 USB 声卡功能，连接电脑即可自动识别为 Mosaic，同时支持通过 OTG 直连手机或平板进行高品质内录与直播。

# 效果列表

| FX1            |                         |                                                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称           | 效果描述                    | 参数说明                                                                                                                                                                                                                                  |
| 1-4 gate       | 消除低电平底噪，净化演奏信号          | Threshold: 设定噪声门的信号临界电平 (-100.0~0.0 dB)                                                                                                                                                                                               |
| 2-4 auto gate  | 自适应噪声门，随信号动态自动适配阈值      | 无手动调节参数，设备自动检测并适配信号电平变化                                                                                                                                                                                                               |
| 3-4 NG-Com     | 噪声门 + 压缩二合一，同步优化底噪与动态范围 | Gate: 噪声门阈值 (-100.0~0.0 dB)<br>Threshold: 压缩触发临界电平 (-60.0~0.0 dB)<br>Ratio: 压缩强度比 (1.1:1~20.0:1)<br>Knee: 压缩过渡软硬 (0.0~24.0 dB)<br>Attack: 压缩启动时间 (0.0~200.0 ms)<br>Release: 压缩释放时间 (0.0~1000.0 ms)<br>Makeup: 压缩后增益补偿 (-24.0~24.0 dB) |
| 4-4 compressor | 平滑音量波动，稳定音色质感           | Threshold: 压缩触发临界电平 (-60.0~0.0 dB)<br>Ratio: 压缩强度比 (1.1:1~20.0:1)<br>Knee: 压缩过渡软硬 (0.0~24.0 dB)<br>Attack: 压缩启动时间 (0.0~200.0 ms)<br>Release: 压缩释放时间 (0.0~1000.0 ms)<br>Makeup: 压缩后增益补偿 (-24.0~24.0 dB)                                |

| FX2                |                                                  |                                                                     |
|--------------------|--------------------------------------------------|---------------------------------------------------------------------|
| 效果名称               | 效果描述                                             | 参数说明                                                                |
| <b>1-11 scream</b> | 基于 Ibanez TS9 单块建模音色                             | Gain: (0.0到1.0)<br>Tone: (0到100)<br>Level: (0到100)                  |
| <b>2-11 Klone</b>  | 基于 Ryra The Klone 单块建模音色                         |                                                                     |
| <b>3-11 OCD</b>    | 基于 Fulltone OCD 单块建模音色                           |                                                                     |
| <b>4-11 DS2</b>    | 基于 Boss DS-2单块建模音色                               |                                                                     |
| <b>5-11 PIFUZZ</b> | 基于 EHX Big Muff Pi 单块建模音色<br>基于                  |                                                                     |
| <b>6-11 Range</b>  | Dallas-Arbiter Rangemaster 单块建模音色<br>基于 Xotic AC | Boost: (0.0到1.0)                                                    |
| <b>7-11 XAC</b>    | Booster 单块建模音色<br>基于 Friedman                    |                                                                     |
| <b>8-11 Fiman</b>  | Marty Friedman 单块建模音色<br>移调效果, 改变信号音程            |                                                                     |
| <b>9-11 Pitch</b>  |                                                  | Pitch:移调音程 (-12~12 st)<br>Fine:音高微调 (-1.00~1.00)<br>Mix:干湿比 (0~100) |

| FX2               |                    |                                                                                                                              |
|-------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|
| 效果名称              | 效果描述               | 参数说明                                                                                                                         |
| 10-11<br>env wah  | 包络哇音，随演奏力度自动触发滤波扫频 | Freq: 哇音中心频 (10.0~20kHz)<br>Env: 包络灵敏度 (0.00~20kHz)<br>Q: 滤波共振强度 (0.1~20.0)<br>Mix: 干湿比 (0~100)<br>Freq: 哇音中心频率 (163~3.5kHz) |
| 11-11<br>auto wah | 自动哇音，按设定波形循环扫频滤波   | Sweep: 扫频范围 (0~100)<br>Rate: 扫频速度 (0.00~8.00Hz)<br>Shape: 扫频波形 (0~100)<br>Mix: 干湿比 (0~100)                                   |

| AMP          |                                                                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 参数说明         | Gain: 调节音色增益度 (0.0~1.0)<br>Bass: 调节低频厚度与下潜 (-10.0~10.0dB)<br>Mid: 调节中频核心突出度 (-10.0~10.0dB)<br>Treble: 调节高频亮度与清晰度 (-10.0~10.0dB)<br>Level: 调节模块整体输出电平 (-10.0~10.0dB) |
| 效果名称         | 效果描述                                                                                                                                                                |
| 1-30 BogXTC1 | 基于 Bogner XTC 前级建模音色1                                                                                                                                               |
| 2-30 BogXTC2 | 基于 Bogner XTC 前级建模音色2                                                                                                                                               |
| 3-30 ENGP1   | 基于 ENGL Powerball E645 前级建模音色1                                                                                                                                      |
| 4-30 ENGP2   | 基于 ENGL Powerball E645 前级建模音色2                                                                                                                                      |
| 5-30 Fd59Bm  | 基于 Fender 59 Bassman 前级建模音色                                                                                                                                         |

| AMP            |                                  |
|----------------|----------------------------------|
| 效果名称           | 效果描述                             |
| 6-30 Fd65Dk    | 基于 Fender 65 Darkface 前级建模音色     |
| 7-30 Hiw103    | 基于 Hiwatt DR103 前级建模音色           |
| 8-30 MarDSL1   | 基于 Marshall DSL50 前级建模音色1        |
| 9-30 MarDSL2   | 基于 Marshall DSL50 前级建模音色2        |
| 10-30 Mar8001  | 基于 Marshall JCM800 前级建模音色1       |
| 11-30Mar8002   | 基于 Marshall JCM800 前级建模音色2       |
| 12-30 MesR1    | 基于 Mesa Boogie Rectifier 前级建模音色1 |
| 13-30 MesR2    | 基于 Mesa Boogie Rectifier 前级建模音色2 |
| 14-30 MesR3    | 基于 Mesa Boogie Rectifier 前级建模音色3 |
| 15-30 OgG120   | 基于 Orange Graphic 120 前级建模音色     |
| 16-30Pey51501  | 基于 Peavey 5150 前级建模音色1           |
| 17-30 Pey51502 | 基于 Peavey 5150 前级建模音色2           |
| 18-30 Pey6505  | 基于 Peavey 6505 前级建模音色            |
| 19-30 RanT21   | 基于 Randall T2 前级建模音色1            |
| 20-30 RanT22   | 基于 Randall T2 前级建模音色2            |
| 21-30 RoJC120  | 基于 Roland JC-120 前级建模音色          |
| 22-30 SLO1001  | 基于 Soldano SLO-100前级建模音色1        |
| 23-30 SLO1002  | 基于 Soldano SLO-100 前级建模音色2       |
| 24-30 SLO1003  | 基于 Soldano SLO-100 前级建模音色3       |

| AMP           |                                 |
|---------------|---------------------------------|
| 效果名称          | 效果描述                            |
| 25-30 VXAC30  | 基于 VOX AC30 前级建模音色              |
| 26-30 ApSVTVR | 基于 Ampeg SVT VR 前级建模音色          |
| 27-30 ApSVTCL | 基于 Ampeg SVT-CL 前级建模音色          |
| 28-30 Adn900  | 基于 Ashdown ABM900 EVO II 前级建模音色 |
| 29-30 Hiw320  | 基于 Hiwatt Jupiter 320 前级建模音色    |
| 30-30 MarSup  | 基于 Marshall Super Bass 前级建模音色   |

| CAB            |                                                                            |
|----------------|----------------------------------------------------------------------------|
| 参数说明           | Low Cut:低频切除, 滤除多余浑浊低音<br>(20.0~500 Hz) High Cut:高频切除, 削减尖锐高频毛刺 (2k~20kHz) |
| 效果名称           | 效果描述                                                                       |
| 1-30 Bog412A   | 基于 Bogner 4×12 箱体音色A                                                       |
| 2-30 Bog412B   | 基于 Bogner 4×12 箱体音色B                                                       |
| 3-30 Eng412A   | 基于 ENGL E412 ProVintage30 4×12 箱体音色A                                       |
| 4-30 Eng412B   | 基于 ENGL E412 ProVintage30 4×12 箱体音色B                                       |
| 5-30 FdTR212   | 基于 Fender Twin Reverb Darkface 2×12 箱体音色                                   |
| 6-30 Fd59BM410 | 基于 Fender 1959 Bassman 4×10 箱体音色                                           |
| 7-30 Hiw412    | 基于 Hiwatt Brilliant 4×12 箱体音色                                              |
| 8-30 Mar412A   | 基于 Marshall V30 4×12 箱体音色A                                                 |

| <b>CAB</b>             |                                          |
|------------------------|------------------------------------------|
| <b>效果名称</b>            | <b>效果描述</b>                              |
| <b>9-30 Mar412B</b>    | 基于 Marshall V30 4×12 箱体音色B               |
| <b>10-30 Mar96412A</b> | 基于 Marshall 1960B 4×12 箱体音色A             |
| <b>11-30 Mar96412B</b> | 基于 Marshall 1960B 4×12 箱体音色B             |
| <b>12-30 Mes412A</b>   | 基于 Mesa/Boogie Oversized V30 4×12 箱体音色A  |
| <b>13-30 Mes412B</b>   | 基于 Mesa/Boogie Oversized V30 4×12 箱体音色B  |
| <b>14-30 Mes412C</b>   | 基于 MMesa/Boogie Oversized V30 4×12 箱体音色C |
| <b>15-30 Og412</b>     | 基于 Orange Vintage30 4×12 箱体音色            |
| <b>16-30 pey412A</b>   | 基于 Peavey 5150 4×12 箱体音色A                |
| <b>17-30 pey412B</b>   | 基于 Peavey 5150 4×12 箱体音色B                |
| <b>18-30 peyVk412</b>  | 基于 Peavey Valveking 4×12 箱体音色            |
| <b>19-30 Ran112A</b>   | 基于 Randall RD112 1×12 箱体音色A              |
| <b>20-30 Ran112B</b>   | 基于 Randall RD112 1×12 箱体音色B              |
| <b>21-30 Ran112C</b>   | 基于 Randall RD112 1×12 箱体音色C              |
| <b>22-30 SLO412A</b>   | 基于 Soldano SL0412 4×12 箱体音色A             |
| <b>23-30 SLO412B</b>   | 基于 Soldano SL0412 4×12 箱体音色B             |
| <b>24-30 SLO412C</b>   | 基于 Soldano SL0412 4×12 箱体音色C             |
| <b>25-30 AC30212</b>   | 基于 Vox AC30 2×12 箱体音色                    |
| <b>26-30 AP810</b>     | 基于 Ampeg 8×10 箱体音色                       |
| <b>27-30 AP410</b>     | 基于 Ampeg SVT 4×10 箱体音色                   |
| <b>28-30 Adn410</b>    | 基于 Ashdown 4×10 箱体音色                     |
| <b>29-30 HiwB410</b>   | 基于 Hiwatt B410 4×10 箱体音色                 |
| <b>30-30 Mar412</b>    | 基于 Marshall 4×12 箱体音色                    |

| DEL         |                         |                                                                                                                                              |
|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称        | 效果描述                    | 参数说明                                                                                                                                         |
| 1-8 bbd     | 经典 BBD 模拟延迟，复古温暖磁带延时质感  | Delay: 调节延时时间 (1~2000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Age: 调节复古老化程度 (0~100)<br>Mix: 调节延时干湿比 (0~100)                                       |
| 2-8 digital | 纯净数字延迟，音色干净通透，适配各类曲风    | Time: 调节延时时间 (0.1~3000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Mix: 调节延时干湿比 (0~100)                                                               |
| 3-8 duck    | 闪避延迟，演奏时自动压低延时尾音，避免音色浑浊 | Time: 调节延时时间 (0.1~3000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Filter: 调节延时滤波色调 (0~100)                                                           |
| 4-8 ice     | 冰霜移调延迟，延时声附带音程偏移，空灵氛围感强 | Time: 调节延时时间 (0.1~3000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Interval: 调节延时移调音程 (-12~12st)<br>Mix: 调节延时干湿比 (0~100)                              |
| 5-8 reverse | 反向延迟，反向回放延时信号，营造梦幻空间效果  | Time: 调节延时时间 (0.1~3000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Mix: 调节延时干湿比 (0~100)                                                               |
| 6-8 lofi    | 低保真延迟，比特率失真营造复古老旧磁带质感   | Time: 调节延时时间 (2.0~3000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Bit Depth: 调节音频比特深度 (4~16b)<br>LoFi Mix: 调节低保真效果占比 (0~100)<br>Mix: 调节整体干湿比 (0~100) |

| DEL       |                         |                                                                                                                                                                      |
|-----------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称      | 效果描述                    | 参数说明                                                                                                                                                                 |
| 7-8 smear | 弥散延迟，软化模糊延时信号，营造柔和空间弥散感 | Time: 调节延时时间 (0.1~3000ms)<br>Feedback: 调节延时重复次数 (0~95)<br>Smear: 调节信号弥散模糊程度 (0~100)<br>Filter: 调节延时滤波色调 (0~100)<br>Mix: 调节延时干湿比 (0~100)<br>Time: 调节延时时间 (0.1~3000ms) |
| 8-8 mod   | 调制延迟，延时自带颤音波动，音色层次更丰富   | Feedback: 调节延时重复次数 (0~95)<br>Mod Depth: 调节调制深度 (0.0~20.0ms)<br>Mod Rate: 调节调制速度 (0.05~5.00Hz)<br>Mix: 调节延时干湿比 (0~100)                                                |

| MOD         |                        |                                                                                     |
|-------------|------------------------|-------------------------------------------------------------------------------------|
| 效果名称        | 效果描述                   | 参数说明                                                                                |
| 1-5 chorus  | 经典合唱效果，拓宽声场层次，音色饱满厚实   | Rate: 调节合唱调制速度 (0.10~3.74Hz)<br>Depth: 调节合唱调制深度 (0.00~1.00ms)                       |
| 2-5 phaser  | 相位效果，周期性扫频波动，音色富有流动旋转感 | Rate: 调节相位扫频速度 (0.05~5.00Hz)<br>Feedback: 调节相位反馈强度 (-95~95)<br>Mix: 调节效果干湿比 (0~100) |
| 3-5 flanger | 镶边效果，梳状滤波营造空灵悬浮金属质感    | Rate: 调节镶边调制速度 (0.05~5.00Hz)<br>Feedback: 调节镶边反馈强度 (-95~95)<br>Mix: 调节效果干湿比 (0~100) |

| MOD                |                    |                                                                                                                                                                  |
|--------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称               | 效果描述               | 参数说明                                                                                                                                                             |
| <b>4-5 tremolo</b> | 音量颤音，按波形周期性起伏变化音量  | Rate: 调节颤音波动速度 (0.01~20.0Hz)<br>Depth: 调节颤音起伏深度 (0~100)<br>wave: 选择调制波形<br>(Sine/Triangle/Square/Saw)<br>Smooth: 调节波形过渡平滑度 (0.00~40.0Hz)<br>Mix: 调节效果干湿比 (0~100) |
| <b>5-5 vibrato</b> | 音高颤音，音高周期性小幅波动润色音色 | Rate: 调节音高波动速度 (0.01~20.0Hz)<br>Depth: 调节音高颤音深度 (0.0~20.0ms)<br>wave: 选择调制波形<br>(Sine/Triangle/Square/Saw)<br>Mix: 调节效果干湿比 (0~100)                               |

| REV             |                      |                                                                                                                                            |
|-----------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称            | 效果描述                 | 参数说明                                                                                                                                       |
| <b>1-7 room</b> | 房间混响，模拟小型室内空间，声场紧凑自然 | Decay: 调节混响衰减时长 (0.5~12.0s)<br>Pre Delay: 调节预延迟时间 (0.0~80.0ms)<br>Tone: 调节混响音色明暗 (0~100)<br>Mod: 调节混响内部调制感 (0~100)<br>Mix: 调节混响干湿比 (0~100) |

| REV         |                        |                                                                                                                                                      |
|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称        | 效果描述                   | 参数说明                                                                                                                                                 |
| 2-7 plate   | 板式混响，经典金属板复古音色，温暖顺滑    | Decay: 调节混响衰减时长 (0.5~12.0s)<br>Pre Delay: 调节预延迟时间 (0.0~80.0ms)<br>Tone: 调节混响音色明暗 (0~100)<br>Mod: 调节混响内部调制感 (0~100)<br>Mix: 调节混响干湿比 (0~100)           |
| 3-7 hall    | 大厅混响，模拟大型音乐厅，空间宽阔宏大    | Decay: 调节混响衰减时长 (0.5~12.0s)<br>Pre Delay: 调节预延迟时间 (0.0~80.0ms)<br>Tone: 调节混响音色明暗 (0~100)<br>LF Damp: 调节低频衰减阻尼 (0~100)<br>Mix: 调节混响干湿比 (0~100)        |
| 4-7 concert | 演奏厅混响，声场通透规整，适合独奏演奏    | Decay: 调节混响衰减时长 (0.5~12.0s)<br>Pre Delay: 调节预延迟时间 (0.0~80.0ms)<br>HF Damp: 调节高频衰减阻尼 (0~100)<br>Mod: 调节混响内部调制感 (0~100)<br>Mix: 调节混响干湿比 (0~100)        |
| 5-7 spring  | 弹簧混响，复刻老式音箱弹簧回响，复古摇滚质感 | Decay: 调节混响衰减时长 (0.0~12.0s)<br>Pre Delay: 调节预延迟时间 (5.0~80.0ms)<br>Crossover: 调节高低频分频点 (800Hz~8kHz)<br>Mod: 调节混响内部调制感 (0~100)<br>Mix: 调节混响干湿比 (0~100) |

| REV         |                        |                                                                                                                                                 |
|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称        | 效果描述                   | 参数说明                                                                                                                                            |
| 6-7 shimmer | 闪烁混响，带移调泛音，营造空灵梦幻氛围    | Decay: 调节混响衰减时长 (0.0~12.0s)<br>Pre Delay: 调节预延迟时间 (5.0~120.0ms)<br>Tone: 调节混响音色明暗 (0~100)<br>Pitch: 调节混响移调音程 (-24~24st)<br>Mix: 调节混响干湿比 (0~100) |
| 7-7 cloud   | 云端氛围混响，超长衰减带柔和调制，飘渺环境感 | Decay: 调节混响衰减时长 (1.0~100.0s)<br>Tone: 调节混响音色明暗 (0~100)<br>Mod Depth: 调节调制深度 (0~100)<br>Mod Rate: 调节调制速度 (0.02~0.25Hz)<br>Mix: 调节混响干湿比 (0~100)   |

| EQ      |                   |                                                                                                                                                                                                                      |
|---------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称    | 效果描述              | 参数说明                                                                                                                                                                                                                 |
| 1-3 eq3 | 三段均衡，快速调节低、中、高频音色 | Low: 调节低频音量 (-15~15dB)<br>Mid: 调节中频音量 (-15~15dB)<br>High: 调节高频音量 (-15~15dB)                                                                                                                                          |
| 2-3 eq6 | 六段参量均衡，多频段精细修饰音色  | B2 (120): 120Hz 频段音量调节 (-15~15dB)<br>B3 (250): 250Hz 频段音量调节 (-15~15dB)<br>B4 (500): 500Hz 频段音量调节 (-15~15dB)<br>B5 (1K): 1KHz 频段音量调节 (-15~15dB)<br>B6 (2K): 2KHz 频段音量调节 (-15~15dB)<br>B7 (4K): 4KHz 频段音量调节 (-15~15dB) |

| EQ      |                  |                                                                                                                                                                                                                                                                            |
|---------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 效果名称    | 效果描述             | 参数说明                                                                                                                                                                                                                                                                       |
| 3-3 eq8 | 八段全频均衡，全频段精准塑形音色 | B1 (60):60Hz 频段音量调节(-15~15dB)<br>B2 (120):120Hz 频段音量调节(-15~15dB)<br>B3 (250):250Hz 频段音量调节(-15~15dB)<br>B4 (500):500Hz 频段音量调节(-15~15dB)<br>B5 (1K):1KHz 频段音量调节(-15~15dB)<br>B6 (2K):2KHz 频段音量调节(-15~15dB)<br>B7 (4K):4KHz 频段音量调节(-15~15dB)<br>B8 (8K):8KHz 频段音量调节(-15~15dB) |

## 声明：

本列表中提及的厂商及产品名称，仅用于客观描述相关产品的音色表现与功能特性，不构成对任何厂商或产品的推荐、认可或背书，亦不涉及任何形式的质量保证或使用建议。

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## MIDI控制

本设备支持通过标准MIDI协议进行全面的远程控制。无论是快速切换音色、开关特定效果，还是使用表情踏板进行参数的实时精细干预，您都可以通过MIDI控制指令表去完成设置。(MIDI控制指令表需到官网另外下载)

# 规格参数

- A/D/A 转换: 24-bit
- 采样率: 44.1kHz
- 信噪比: 103dB
- 频段: 2400MHz~2483.5MHz (2.4GHz ISM频段)
- 设备在工作频段内发射的最大射频功率: 6.4dBm (EIRP)
- 效果模块: 最大支持 8+1 个效果模块
- 预设数量: 75 个预设位置, 48个出厂预设
- 模拟输入连接

输入: 6.35mm (1/4") 非平衡输入 (TS) 接口, 阻抗1M $\Omega$

- 模拟输出连接
- 输出: 6.35mm (1/4") 非平衡输出 (TS) 接口, 阻抗100 $\Omega$

立体声 (耳机) 输出: 3.5mm (1/8") TRS 接口, 阻抗16 $\Omega$

- 数字连接
- USB接口: USB2.0 Type-C
- USB 录音规格
- 采样频率: 44.1kHz
- 采样深度: 24 位
- 尺寸及重量
- 尺寸: 168mm (长) x 71mm (宽) x 43.5mm (高)
- 重量: 约395g
- 电源
- 电源要求: USB-C, DC 5V 1A
- 内置锂电池: 1000mAh
- 出厂附件
- USB-C数据线、说明书、背夹配件

# 常见故障排查

在使用Mosaic的过程中，如果您遇到以下问题，请先参照本指南进行初步排查。若问题仍未解决，请联系官方售后支持。

## 1. 设备无法开机

**电量耗尽:**电池可能已完全耗尽。请使用符合标准的 USB-C 数据线和 5V 1A 电源适配器连接设备，检查充电指示灯是否亮起（红灯常亮）。建议充电片刻后再长按开机键尝试开机。

**按键操作:**请确认是否正确“长按”了开关机按键。

## 2. 设备有工作显示，但没有声音输出

**总音量过低:**检查面板上的 MASTER 旋钮是否被调到了最低。请顺时针缓慢旋转以增加音量。

**接口连接错误:**确认乐器已正确插入 6.35mm INPUT 接口。请勿将耳机错误插入 6.35mm 输出口，监听耳机必须使用 3.5mm PHONES 接口。

**处于静音调音模式:**检查设备是否处于调音表界面，且开启了“静音调音”功能。短按 SELECTOR 旋钮或 MASTER 旋钮退出调音表界面。

**模块电平过低:**检查当前效果链中，AMP（箱头）、CAB（箱体）或其他效果模块的 Level（输出电平）参数是否被设置为了 0 或极低值。

## 3. 声音底噪过大或有明显电流声

**增益与失真过高:**高增益（High Gain）音色本身会带来底噪放大。请检查 AMP 模块的 Gain 参数或失真单块的参数是否过高。

**噪声门未开启:**建议在效果链前端（如 FX1 模块）开启 gate、auto gate 或 NG-Com 模块，并适当调高 Threshold（阈值）直到消除底噪。

**电源干扰:**边充边用时，部分未经过滤的劣质电源适配器可能会引入交流电噪声。请尝试拔掉充电线，使用内置电池供电测试。如果此时底噪消失，建议更换高质量的电源适配器。

**线材问题:**检查吉他连接线是否屏蔽不良或老化，尝试更换一根高质量的乐器线。

#### 4. BT无法连接或找不到设备

**隐藏的Mosaic Midi:**请务必注意，用于控制参数的 Mosaic Midi模块在首次配对前处于“隐藏”状态。**请勿在手机系统的BT设置中盲目搜索**，必须打开官方手机 APP，在 APP 内部的连接界面进行搜索与配对。

**连接对象混淆:**确认您的需求。若要播放伴奏音乐，请在手机系统BT设置中连接 Mosaic Audio；若要调节预设参数，请在 APP 内连接 Mosaic Midi。

#### 5. 手机/电脑 USB 录音或直播没有声音

**音频输入音量:**在主界面的“全局设置”中，检查USB Volume是否被调至0。

**Loopback未开启:**如果您希望在直播或录音时，将电脑/手机播放的伴奏音乐连同您的吉他声音一起录制进去，请在“全局设置”中确保Loopback选项处于on状态。

**OTG 线材不兼容:**连接手机/平板时，请确保使用的是支持数据传输的 OTG 转接线，普通的纯充电线无法传输音频数据。

**系统设备选择:**确保在电脑或录音软件（DAW）的音频设置中，已将输入和输出设备正确选择为 Mosaic Midi。

#### 6. 关机重启后,修改的音色参数丢失

**未执行保存操作:**对预设模块参数进行调节后，设备不会自动保存。您必须在非主界面长按 MASTER 旋钮，或在主界面通过 REPLACE / SWAP 操作确认保存，看到“保存成功提示”后，参数才会被永久写入。如果在未保存状态下切换了其他预设或关机，所做的修改将丢失。