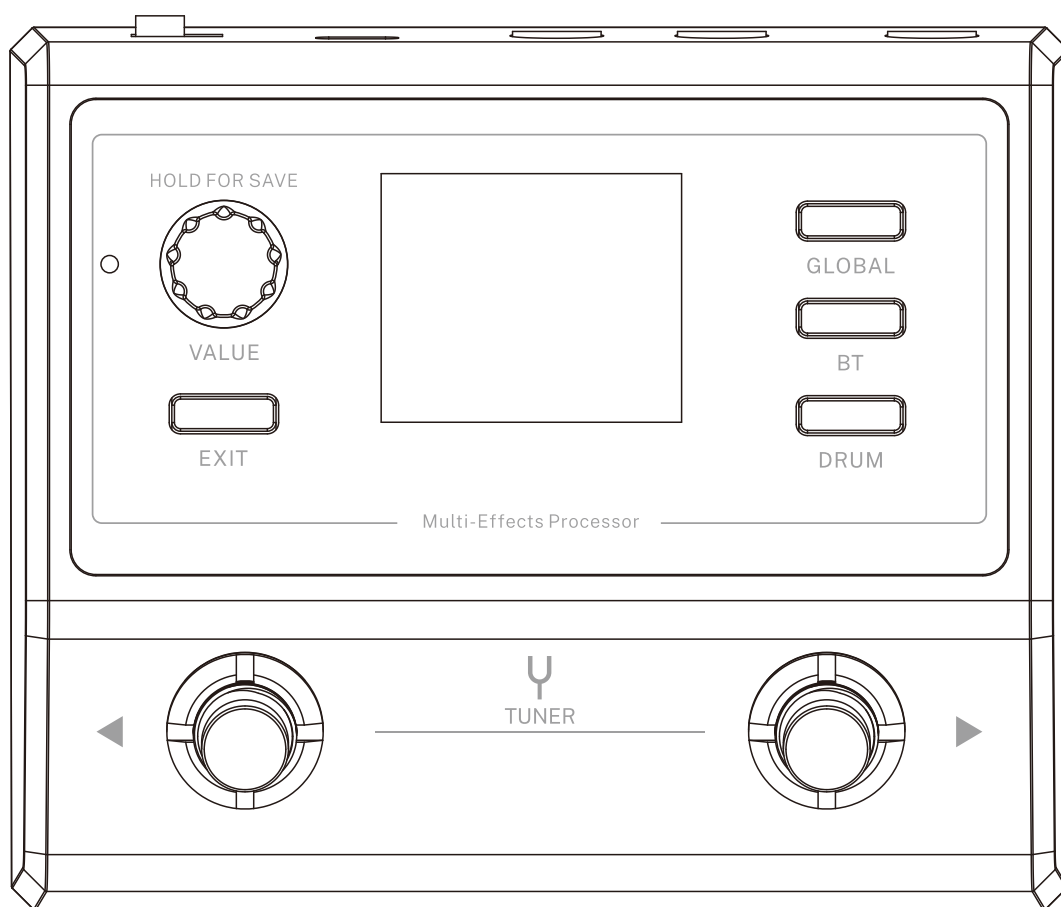


Dual-FS Multi-Effects

User Manual

For V1.1.0 Firmware Version



※ We continually improve our products and reserve the right to modify certain features and specifications (including but not limited to appearance, packaging design, operating manuals, accessories, dimensions, specifications, display screens, etc.) without prior notice. Please confirm product features and specifications with local dealers before purchasing. Product images and colors may differ from the actual product due to photo lighting variations and screen settings; please refer to the actual product.

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Precautions for Use

Usage Recommendations

- Do not wet the device; if liquid splashes onto the equipment, immediately turn off the power.
- Do not block any ports on the machine.
- Keep away from heat sources.
- Disconnect the power and cables during thunderstorms to prevent damage.
- Please keep away from strong magnetic fields.

Connecting Power and Audio Cables

- Always turn off the power of the device and other equipment before inserting or removing audio cables.
- When moving the device, make sure to disconnect all cables and turn off the power.

Cleaning

- Only use a dry cloth for cleaning.

Modifications

- Do not attempt to open the casing or repair the device yourself; otherwise, you will void the warranty!

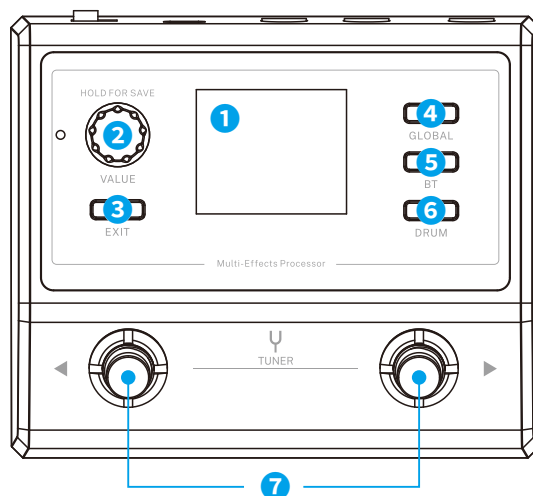
Power Adapter Operating Instructions

- Always use a power adapter within the recommended specifications. Using an adapter outside these specifications may damage the device and pose a safety hazard.
- When the power adapter is plugged into an outlet, be sure to check the voltage range indicated on the power source.
- In case of thunderstorms or if the device will not be used for an extended period, disconnect the power adapter from the outlet.

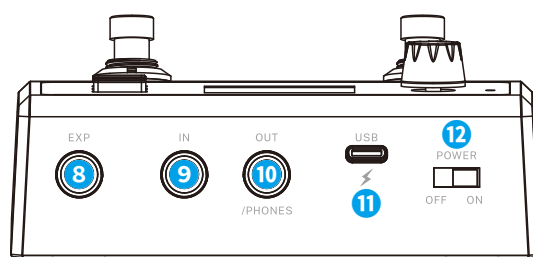
Malfunctions

- If the device malfunctions, immediately disconnect the power and all device connections.

Panel Introduction



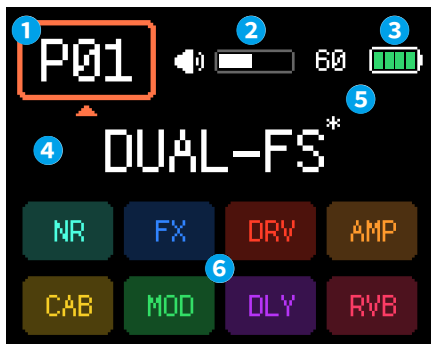
- ❶ LCD Display: 1.7" color LCD screen shows preset and other operation information.
- ❷ VALUE Knob (with enter button): Press to confirm, rotate to change the value, and hold to enter the SAVE menu.
- ❸ EXIT Button: Press to return to the previous.
- ❹ GLOBAL Button: Press to enter the GLOBAL menu. Press again to toggle objects under the GLOBAL menu.
- ❺ BT Button: Press to turn the BT wireless function on/off. When no device is connected, the button light will flash. When connected to a BT audio or mobile app, the button light will stay on.
- ❻ DRUM Button: Press to play the drum. When the drum is playing, the button lights will flash according to the BPM. Hold to enter the DRUM menu. Press again to toggle objects under the DRUM menu.
- ❼ Footswitches: Press to switch presets forward or backward, and hold for rapid switching. Press both footswitches simultaneously to enter the TUNER menu.



- ❽ EXP Jack: 1/4" TRS input, for connecting an external expression pedal.
- ❾ IN Jack: 1/4" mono input connection for guitar.
- ❿ OUT/PHONES Jack: 1/4" TRS stereo unbalanced output connection, compatible with headphones. When connecting a mono device, please use a TS cable.
- ⓫ USB Jack: USB 2.0 Type-C port is used for connecting to a computer to update firmware, connecting to a computer or smartphone for recording, and connecting to a computer or USB power adapter for charging (DC 5V).
- ⓬ POWER Switch: Turn the power on/off. **Please note that when the battery is depleted and the device cannot be turned on, do not select ON, as it may cause additional damage to the battery and result in longer charging times.**

Main Interface

After turning on the device with the power switch, it will default to the main interface:

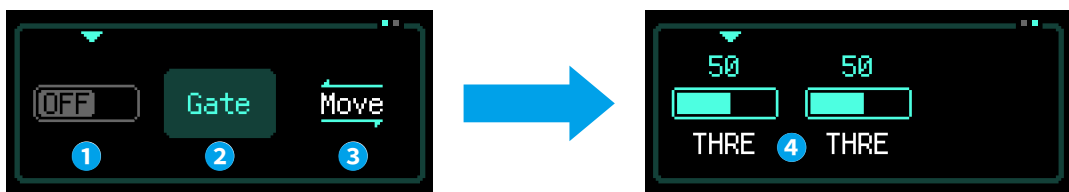


- 1 Preset Number: After selecting with the VALUE knob, rotate to quickly switch presets.
- 2 Output Volume: Adjusted after selecting with the VALUE knob.
- 3 Battery Level Display.
- 4 Preset Name Display.
- 5 Preset Status Display: An asterisk appears when the current preset has been edited but not saved.
- 7 Effect Module: Enter effect editing after selecting with the VALUE knob.

Effect Editing



After entering the effect editing of a specific module, rotate the VALUE knob to select a parameter, press to confirm the selected parameter for adjustment. The icon in the upper right corner indicates the current parameter page number; rotating the VALUE knob allows you to turn pages.

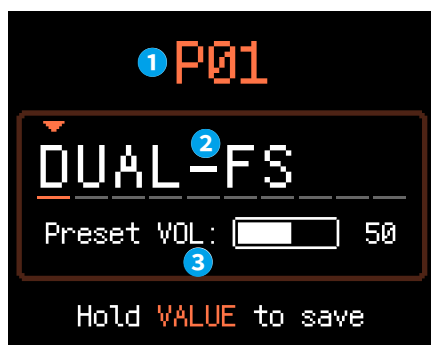


- 1 Effect Module Switch: Pressing the VALUE knob directly toggles the current effect module on or off.
- 2 Effects Used in the Current Module: After selecting with the VALUE knob, rotate to switch between effects.
- 3 Effect Module Order Editing: After selecting with the VALUE knob, rotate to move the position of the effect modules (DRV, AMP, and CAB modules cannot be moved).
- 4 Effect Parameters: After selecting with the VALUE knob, rotate to change the effect parameters.

In the effect editing interface, pressing any footswitch allows for quick switching of the currently edited effect module. Press the EXIT button to exit effect editing and return to the main interface.

Save Preset

In the main interface or effect editing interface, long-press the VALUE knob to enter the save interface:



- ❶ Preset Location: The location to save the preset, defaulting to the current preset. Pressing any footswitch allows you to switch preset locations for saving.
- ❷ Preset Name: After selecting with the VALUE knob, you can edit the name.
- ❸ Preset Volume: After selecting with the VALUE knob, you can edit the volume.

Once editing is complete, long-press the VALUE knob again to confirm saving, or press the EXIT button to cancel saving.

Global Settings

Press the GLOBAL button to enter the global settings interface:



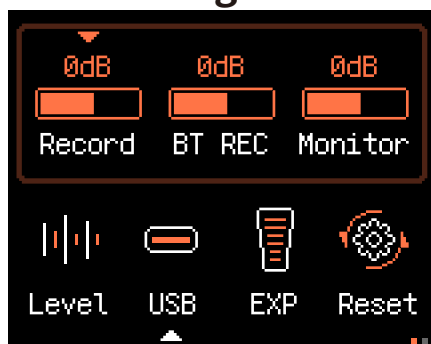
In the global settings interface, press the GLOBAL button to switch between settings, with the page number displayed in the lower right corner.

Level Settings



Input Gain: Adjust directly by rotating the VALUE knob, ranging from -20dB to +20dB.

USB Settings



Recording Volume (Record): Volume setting for the USB audio recording effect chain, from -20dB to +20dB.

BT Recording Volume (BT REC): Volume setting for USB audio recording of BT audio, from -20dB to +20dB.

Monitor Volume (Monitor): Volume setting for USB audio return monitoring, from -20dB to +20dB.

Expression Pedal Settings



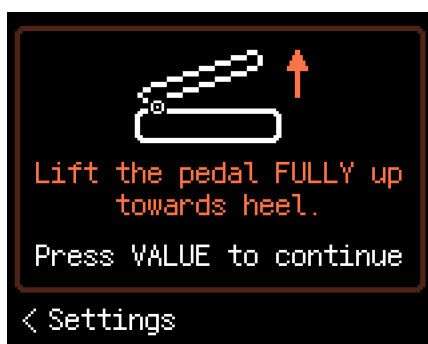
Target: Settings for the control target of the external expression pedal, selectable options are None, FX, DRV, AMP, MOD, DLY, RVB, VOL.

Selecting None means the external pedal has no effect.

Choosing any effect module will allow the pedal to control a specific parameter of the current effect when the pedal's state changes (refer to the effects list for specific parameters).

Selecting VOL allows the external pedal to control the overall output volume of the effect chain.

Pedal Calibration (Calibrate): Select with the VALUE knob to enter the pedal calibration interface.



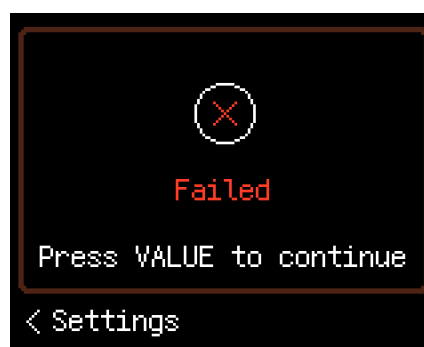
Raise the pedal completely, then press the VALUE knob to confirm.



Lower the pedal completely, then press the VALUE knob to confirm.



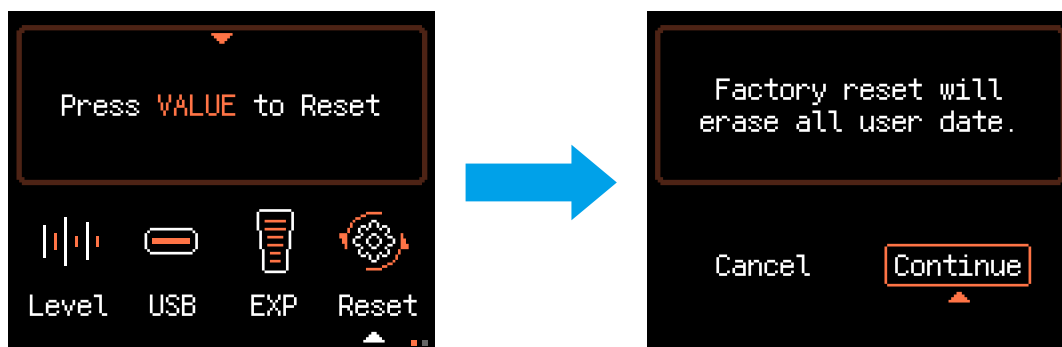
Complete



Failed

In any step of the pedal calibration, pressing the EXIT button will abandon the calibration and exit.

Reset



Press the VALUE knob to enter the factory reset interface. After selecting "Continue," the system will execute the factory reset operation. This action will clear all previously edited presets and personalized settings, restoring the device to its initial factory state.

About



Display the current firmware version information.

DRUM

Long press the DRUM button to enter the drum machine settings interface:



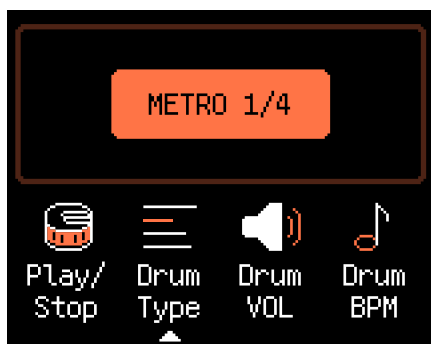
In the drum machine settings interface, press the DRUM button to switch between settings.

Play/Stop



Press the VALUE knob to play or stop the drum machine.

Drum Type



Rotate the VALUE knob to change the drum machine rhythm pattern (connect to the mobile app for more rhythm patterns).

Drum VOL



Rotate the VALUE knob to change the drum machine playback volume.

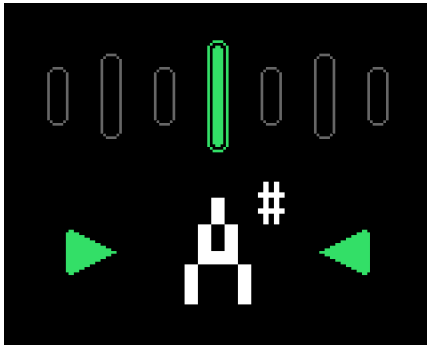
Drum BPM



Rotate the VALUE knob to change the drum machine playback speed.

Tuner

Press both footswitches simultaneously to enter the Tuner interface:

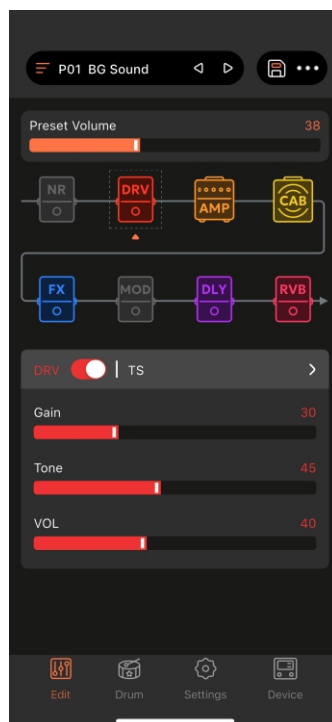


Audio Interface Function

When using the device as a USB audio interface, the system will recognize it as a 2-in-2-out USB device. If used as an audio interface on a Windows system, the corresponding driver needs to be installed.

Companion Software

Connect the effects processor to your computer or mobile device and use the free software to manage your device. This includes adjusting tone, importing and exporting preset files, restoring factory settings, and loading third-party IR files. Software supports Windows and Mac platforms for computers, and Android and iOS platforms for mobile devices.



Effects List

Name	Description	Parameters	Pedal Control
NR			
Gate	Fast and precise noise gate	THRE: Adjust the trigger threshold of the noise gate	/
FX			
Comp	Compressor effect based on the famous Keeley® compressor*	Sustain: Adjust the amount of compression Attack: Adjust when the compressor starts processing the signal VOL: Adjust the output volume Clip: Adjust input sensitivity	VOL
Boost	Based on Xotic® EP Booster*	Gain: Control the effect gain +3dB: Choose minimum gain as 0dB or +3dB Bright: Turn on to add extra high frequencies, off to maintain flat response	Gain
Detune	A detune effect that combines slightly pitch-shifted signals with the original signal for a choir-like tone	Detune: Adjust the detune level in cents Wet/Dry: Control the volume of the effect/original signal	Detune
Touch W	Wah effect controlled by playing dynamics	Sense: Adjust sensitivity, higher value increases sensitivity Range: Adjust center frequency of the wah filter Q: Adjust Q value of the wah filter Mix: Adjust the mix ratio of dry and effect sounds Mode: Choose for Guitar or Bass	Range
Auto W	Automatic wah effect	Depth: Control the effect depth Rate: Control the effect speed VOL: Control the effect volume Low/High: Control low/high frequency points Q: Adjust filter Q value	Rate
Cry W	Based on Dunlop® Cry Baby® wah pedal	Range: Adjust center frequency of the wah filter Q: Adjust Q value of the wah filter VOL: Control the effect volume	Range
Octa	Octave effect	Low: Adjust volume of low octave effect High: Adjust volume of high octave effect Dry: Adjust volume of the dry signal	Dry
EQ	5-band equalizer	125Hz, 400Hz, 800Hz, 1.6kHz, 4kHz: Boost or cut corresponding frequency bands VOL: Adjust output volume	VOL
DRV			
TS	Based on the famous Ibanez® TS-808 Tube Screamer®* overdrive effect	Gain: Control the effect gain Tone: Adjust tone brightness VOL: Adjust effect volume	Gain
Drive	Based on the legendary two-knob yellow overdrive pedal	Gain: Control the effect gain VOL: Adjust effect volume	Gain
Dist	Based on a classic orange three-knob distortion effect	Gain: Control the effect gain Tone: Control tone brightness VOL: Control effect volume	Gain

Name	Description	Parameters	Pedal Control
Crunch	Based on MI Audio® Crunch Box®* distortion effect	Gain: Control the effect gain Tone: Control tone brightness VOL: Control effect volume	Gain
Fuzz	Based on the legendary Dallas-Arbiter® Fuzz Face®* fuzz pedal	Fuzz: Control effect gain VOL: Control effect volume	Fuzz
AMP			
TWD	Based on Fender® Tweed Deluxe* cabinet simulation	Gain: Adjust amp gain Tone: Adjust amp tone brightness VOL: Adjust amp output volume	Gain
BM Norm	Based on Fender® '59 Bassman®* Normal channel cabinet simulation	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
Twin	Based on Fender® '65 Twin Reverb®* cabinet simulation	Gain: Adjust amp gain VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response Bright: Extra tone brightness switch	Gain
VC30 N	Based on VOX® AC30HW* Normal channel cabinet simulation	Gain: Adjust amp gain VOL: Adjust amp output volume Tone: Adjust amp tone brightness Bright: Extra tone brightness switch	Gain
Jazz CL	Based on the legendary "Jazz Chorus" transistor combo amp simulation	VOL: Adjust amp gain/output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response Bright: Extra tone brightness switch	VOL
MS 45	Based on the legendary Marshall® JTM45* Normal channel tone cabinet simulation	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
MS 50JP	Based on the legendary Marshall® JTM50* cabinet simulation with jumpers	Gain 1/2: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain 1
MS 800	Based on the legendary Marshall® JCM800* head tone cabinet simulation	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
DZ VH	Based on the famous Diezel® VH4* head third channel	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain

Name	Description	Parameters	Pedal Control
VC30 TB	Based on VOX® AC30HW* TB channel cabinet simulation	Gain: Adjust amp gain Tone: Adjust amp tone brightness Master: Adjust amp output volume Bass/Treble: Two-band EQ for low/high frequency response Char: Choose tone type (Cool or Hot)	Gain
ENG LD	Based on the famous ENGL® Savage120 E610* cabinet simulation	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
VH 51	Based on Peavey® 5150®* (LEAD channel) cabinet simulation	Gain: Adjust amp gain VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response PRES: Adjust amp tone presence	Gain
SDN LD	Based on Soldano® SLO100* head Overdrive channel cabinet simulation	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
MB Dual	Based on the legendary Mesa/Boogie® Dual Rectifier®* (Vintage mode)	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
BG XT	Tone based on Bogner® XTC* (Red channel)	Gain: Adjust amp gain PRES: Adjust amp tone presence VOL: Adjust amp output volume Bass/Middle/Treble: Three-band EQ for low/mid/high frequency response	Gain
CAB			
TWD 1x8	Sound based on vintage Fender® Champ* 1x8 cabinet	VOL: Control output volume	/
TWD 1x10	Sound based on vintage Fender® Princeton* 1x10 cabinet		
VibLux 1x12	Sound based on vintage Fender® Vibrolux* 1x12 cabinet		
VC 1x12	Sound based on vintage Vox® AC15* 1x12 cabinet		
TWD 2x12	Sound based on a custom Fender® Tweed* 2x12 cabinet		
Twin 2x12	Sound based on vintage Fender® '65 Twin Reverb* 2x12 cabinet		
Lone 2x12	Sound based on Mesa/Boogie® Lonestar* 1x12 cabinet		

Name	Description	Parameters	Pedal Control
Jazz 2x12	Sound based on the legendary "Jazz Chorus" 2x12 cabinet	VOL: Control output volume	/
MS 2x12	Sound based on Marshall® 2550* 2x12 cabinet		
MS 4x12	Sound based on the Marshall 4x12 vintage cabinet with Celestion® Greenback® speakers		
BG 4x12	Sound based on Bogner®* 4x12 cabinet		
DZ 4x12	Sound based on Diezel®* 4x12 cabinet		
VH 4x12	Sound based on Peavey® 6505* 4x12 cabinet		
SDN 4x12	Sound based on Soldano®* 4x12 cabinet		
MB 4x12	Sound based on Mesa/Boogie® Rectifier®* 4x12 cabinet		
User IR 1-5	For loading third-party IR files		
MOD			
Chorus 1	Based on Arion® SCH-1* chorus pedal	Depth: Control effect depth Rate: Control effect speed Tone: Adjust tone brightness	Depth
Chorus 2	Bass chorus effect	Depth: Control effect depth Rate: Control effect speed VOL: Control output volume	Depth
Flanger	Classic flanging effect	Depth: Control effect depth Rate: Control effect speed P.Delay: Control pre-delay time F.Back: Adjust effect feedback amount	Depth
Phaser	Based on MXR® M101 Phase90* phaser	Rate: Adjust effect speed	Rate
Vibrato	Vibrato effect	Depth: Adjust effect depth Rate: Adjust effect speed	Depth
Tremolo	Tremolo effect	Depth: Adjust effect depth Rate: Adjust effect speed	Depth
DLY			
Analog	Produces warm analog delay style tones	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount	F.Back
Digital	Produces pure and precise digital delay tones	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount	F.Back
Tape	Simulates tape delay tones	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount	F.Back
Reverse	Can reverse playback of the original sound	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount	F.Back
Slap	Simulates classic slapback delay effect	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount	F.Back

Name	Description	Parameters	Pedal Control
Sweep	Produces delay with frequency sweeping modulation	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount S-Depth: Adjust sweep filter depth S-Rate: Adjust sweep filter speed	F.Back
Ping Pong	Produces ping-pong delay effect, alternating feedback between left and right channels	Mix: Adjust the mix ratio of dry and effect sounds Time: Adjust delay time F.Back: Adjust delay feedback amount	F.Back
RVB			
Studio	Reverb effect simulating the acoustic characteristics of a studio	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time Damp: Dampen high frequencies of the effect	Mix
Room	Reverb effect simulating the acoustic characteristics of a room	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time	Mix
Hall	Reverb effect simulating the acoustic characteristics of a hall	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time	Mix
Church	Reverb effect simulating the acoustic characteristics of a church	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time	Mix
Plate	Reverb effect simulating a plate reverb	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time	Mix
Spring	Reverb sound produced by a vintage spring reverb	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time	Mix
Mod	Reverb effect with modulation variations	Mix: Adjust the dry/wet signal ratio Decay: Adjust the reverb decay time Damp: Dampen high frequencies of the effect Mod: Adjust the amount of modulation effect in the sound	Mix

*The manufacturers and product names mentioned above are trademarks or registered trademarks of their respective owners. The trademarks were used merely to identify the sound character of the products.

Specifications

A/D/A Converter: 24-bit

Supported Sample Rate: 44.1kHz

SNR: 100dB

Module: 8, can be used simultaneously.

Preset Memory: 50 Factory Presets (F01~50), 50 User Presets (P01~50)

Analog Input Connection

IN: 1/4" TS jack, 1M Ω

Analog Output Connection

OUT/PHONES: 1/4" TRS stereo unbalanced jack, 100 Ω

Digital Connections

USB Port: USB 2.0 Type-C Port

USB Recording Specification

Sample Rate: 44.1kHz

Bit Depth: 16-bit

Size and Weight

Dimensions: 122mm (W) x 103mm (D) x 52mm (H)

Unit Weight: 270g

Power

USB Power Requirements: DC 5V, 2A

Battery Capacity: 2000mAh, 3.7V

Battery Life: Minimum of 7 hours.

Troubleshooting

Unable to Power On

- Please check if the power connection is secure and if the power switch is functioning properly.
- Please confirm that the power adapter is working properly.
- Ensure you are using the correct power adapter.

No Sound or Low Volume

- Please check if the connection cables are connected properly.
- Confirm that the cables and connections are secure.
- Check if the main volume is set appropriately.
- Verify that the output volume of the effect modules is appropriate.
- Ensure the preset volume is set correctly.
- Confirm that your connected audio device is not in mute mode.

Obvious Noise

- Please check if the connection cables are secure.
- Confirm that the instrument output jack is functioning correctly.
- If the issue is with the instrument, try opening the noise gate to reduce noise.

Abnormal Sound

- Please check if the connection cables are secure.
- Confirm that the instrument output jack is functioning correctly.
- If you are using this device with other effects, check if the other effects are set correctly.
- Ensure your effect parameters are set appropriately; extreme settings may cause abnormal noise.