



FAZLEY

Core-FX2

Guitar/Bass AMP Modeler Multi Effects Processor

User instructions & warnings

Battery hazard:

The Fazley Core-FX2 is equipped with a built-in Li-Ion battery.

The built-in battery has a capacity of 2000 mAh and provides up to 10 hours of use on a full charge.

The battery is protected by the metal housing of the FX2. The battery can not be replaced by the user.

CAUTION

Do not expose batteries to excessive heat such as sunshine, fire and the like.

Do not leave batteries in an extremely high-temperature environment, as this may cause explosions or leakage of flammable liquids or gas.

Do not burn batteries, do not place batteries in a hot oven, and do not crush or cut batteries, as this may cause explosions.

Do not subject batteries to extremely low air pressure (high altitudes), as this may cause explosions or leakage of flammable liquids or gas.

Do not dispose of this product with general household waste. Batteries can contain substances that may harm the environment. If they are properly recycled, used batteries are a valuable source of reusable materials. Contact your local government for information on battery disposal.

Preface

Fazley Core-FX2 is a portable and multifunctional Guitar/Bass effector. It has 80 editable Presets, the users also can customize effectors chain and save. It has built-in battery, it can last up to 10 hours on a full charge. Fazley Core-FX2 has 6 effect modules, with up to 7 effects active simultaneously because the FX module can combine the Noise Gate with Boost or Compressor. It provides the Noise Gate, Boost, Compressor, 20 Preamp, 3-band EQ, 7 Modulations, 5 Delays, 6 Reverbs, 20 IR CAB slots and so on.

Press the HOME button on the Main Display Screen to enter the Module Operation Screen, then use the PARA Knob to customize the position of the effects Module. At this time, you can also select any Module by pressing the Right-Footswitch and then open/close this module with the Left-Footswitch, which is convenient for the user to control the Module on/off with the foot during the performance(Stomp Mode). When you click the MOD/DLY Button, the MOD/DLY Module opens on the screen, you can tap the Right-Footswitch to adjust the effect speed of the MOD/DLY Module.

The computer software and mobile app can only be downloaded by scanning the QR code at the back of this manual (see “Other”). Use them to edit, swap, share, import and export presets, import IR files, and import AMP models in supported formats such as AM2 and AM3. Compatible NAM (Neural Amp Modeler) captures can also be used: first convert the capture to an AMP format supported by the Core-FX2 using the manufacturer's conversion software, then import the converted model into the AMP module using the editor. Supported formats depend on the installed firmware and software version. The computer software also allows factory resets and firmware updates. The Core-FX2 supports BT music playback, headphone monitoring and USB audio. To record directly on a compatible phone, connect it using the included USB cable and an OTG adapter (sold separately), then open an audio or video recording app.

Attentions

■The power supply:

The built-in battery provides up to 10 hours of use on a full charge. Charge via USB-C using a 5 V USB power source, such as a USB power adapter or power bank. A 5 V/2 A adapter is recommended. A full charge takes approximately 5 hours. Recharge the battery when it is low to avoid unstable operation.

■The connection:

Be sure to turn off the power of related equipment before connecting or disconnecting the device.

■The electrical interference:

The electromagnetic wave of radio, television and other equipment may cause interference to the equipment, so please try to stay away from radio, television and other equipment.

■The location:

To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:

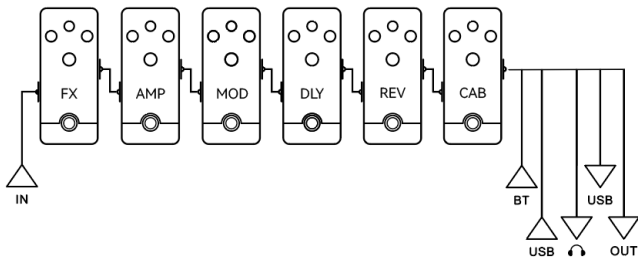
- a. Heat sources
- b. Magnetic fields
- c. Sunlight
- d. High temperature or moist district

e. Excessively dusty or dirty locations

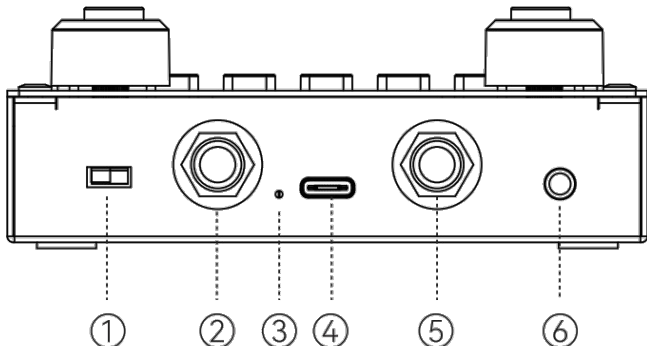
f . Strong vibrations or shocks

Effectors chain diagram

(The order of the 6 effects Modules can be customized.)



Rear panel



① Power switch.

② IN: 1/4" MONO audio input jack.

③ Charging indicator: When the battery is normally using, the indicator will go off; During charging, the indicator will stay red, then it will change to a different color after fully charging.

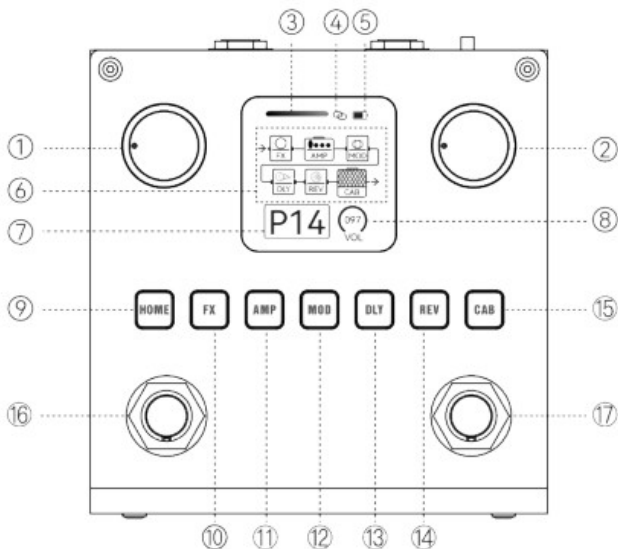
④ USB jack: Use to charge the battery/The Fazley Core-FX2 can be sound card of computer/Computer software can be connected for interactive data transmission/OTG recording/support MIDI Pedal.

Tips: Fazley Core-FX2 can be used as an audio interface with a cellphone, use a OTG converter (separately buying) and accessory USB cable to connect the cellphone, then enter any video/audio recording APP for direct recording or playback music.

⑤ OUT: 1/4" MONO audio output jack.

⑥ Earphone output.

Front panel



① Master, Control the volume. (Note: The BT volume and USB input volume are not controlled by this knob.)

② PARA knob (Rotary encoder with button), Rotate it to select items or adjust parameters, Click it to enter, exit, or confirm the items, Press and hold for 1 second to display the "Save to" screen, Press and hold for 2 second to display the "Swap to" screen. When on the "Save to" or "Swap to" screen, if you click the HOME button, you can exit and return to "Main Display Screen".

③ IN jack input volume real-time display bar.

④ Wireless BT pattern, When the pattern is off, it indicates that BT is not enabled. A white pattern indicates that BT has started but is not connected. The blue pattern indicates that BT is successfully connected.

⑤ Battery status pattern.

⑥ This diagram shows the order and the on/off state of the 6 effect Modules. If the pattern is off, the effect is not enabled. If the pattern is on, the effect is started. The state of the pattern corresponds to the state of the 6 buttons down on the right. If all 6 patterns are Off, the Fazley Core-FX2 is in Bypass state.

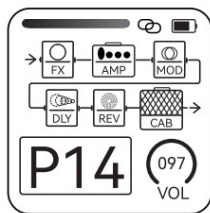
⑦ Preset number, When this number is selected using the PARA knob, rotate it to quickly switch Presets. Fazley Core-FX2 includes 80 Presets, with the first 40 (P01~P40) containing default factory effects, thereinto the P36-P40 were designed for bass. When you need the factory reset, you can separately reset these 40 Presets to the default values. If you want reset all the 80 Presets, it is also feasible.

Note: Enter the mobile APP or computer software interface to perform this operation.

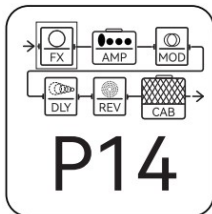
⑧ The volume of current Preset.

⑨ HOME illuminated Button / BT switch Button(with BT status light), click the HOME button to display the Main Display Screen on the screen, then press the HOME button again to enter the Module Operation Screen. Besides, you can hold this button to open/close the BT. When the button light off, the BT had been turned off; when the button light flashing, it means BT is turning on, but not in connection; when the button light keep on, it means BT has been connected.

"Main Display Screen" is the home page displayed right after the power is turned on. You can directly see the key information and settings of the current Preset, you can also know about battery conditions and other information and so on.



Module Operation Screen: In this screen, you can easily operate the connection order of 6 modules, you can also open/close a module freely by using two Footswitches (Stomp Mode).



⑩ FX Module illuminated Button, Click to enter the Edit Settings Menu of Module, then click again to turn on/off Module. At any time, you can hold the button to quickly turn on/off Module. If this Button is lighting on, it means the Module is turned on. If the light goes off, the Module is turned off.

When the Edit Settings Menu is displayed on the screen, you can use the PARA encoder to adjust any of the effects and parameters on the screen. At this time, you can also use the Left Footswitch to turn the current Module on/off.

Tips: The buttons of the 6 effects Modules all support the above functions.

⑪ AMP Module illuminated Button.

⑫ Modulation Module illuminated Button, When the Screen displays the MOD's Edit Settings Menu, you use the Right Foot switch, you can also Tap to obtain the Speed parameter of the effect. At this time, if the Module has been turned on, the button light will also blink based on the Speed parameter.

⑬ Delay Module illuminated Button, When the Screen displays the DLY's Edit Settings Menu, you use the Right Foot switch, you can also Tap to obtain the Time parameter of the effect. At this time, if the Module has been turned on, the button light will also blink based on the Time parameter. When the Screen displays the DLY's Edit Settings Menu and the DLY had been turned on, you can hold the Right-footswitch to start the Hold function, after a long step of 1.5 seconds the machine will read the Delay wet sound at this moment. If you don't release the foot, you'll keep this Hold sound. If you release the foot, you can immediately cancel the Hold sound(Freeze function).

⑭ REV Module illuminated Button.

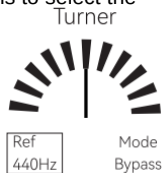
⑮ IR CAB Module illuminated Button.

⑯ Left Footswitch, it use to turn down the Presets when in Main Display Screen. In some other interfaces, it can be used for on/off Modules. You can press the left and right Footswitches at the same time to enter Tuning Mode, and then click either Footswitch to exit tuning.

⑰ Right Footswitch, it use to turn up the Presets when in Main Display Screen. When in the Module Operation Screens, it can be used to select Modules. When in the MOD/DLY Module screen, you can tap the Right-Footswitch to adjust the effect speed of the MOD/DLY Module. When in the DLY Module Screen and the DLY is turned on, you can hold the Right-footswitch to enable the Hold function (freezing the wet sound to get the unlimited voice).

Note: On some interfaces, the Right-Footswitch does not work.

Tips: The tuning interface is shown in the picture. There are two items to choose from in this interface, the "refer to" item is to select the standard A's frequency 430-450Hz, the "Mode" item is to select the voice output status Bypass or Mute.



Effectors module

I: FX Module

The FX module offers Noise Gate, Noise Gate + Boost, or Noise Gate + Compressor. This allows up to 7 effects to be active simultaneously across the 6 effect modules.

1. Noise Gate++

- Gate parameter, Adjust the intensity of AI Noise Gate, When set to 0, the effect is turned off.

2. Boost(Noise Gate can be added)

- Gate parameter, Adjust the intensity of AI Noise Gate, When set to 0, the Noise Gate is turned off.
- Gain parameter, Adjust the gain of the Boost.

3. Compress(Noise Gate can be added)

- Gate parameter, Adjust the intensity of AI Noise Gate, When set to 0, the Noise Gate is turned off.
- Sustain parameter, Adjust the compression amount.
- Attack parameter, The starting time of the compressor after the signal exceeds the threshold, the larger the value, the slower the compression starting time, and the more prominent the auditory sound-head; The smaller the value, the faster the startup time.

- Level parameter, Use this parameter to adjust the output volume of this Module again.

4. AI Gate MS, the intelligent algorithm based on the statistical deviation tracking model.

- Gate: The threshold for opening the Gate. It continuously monitors the level intensity of the input signal. The higher the threshold is set, the more stringent the conditions for the Gate to open, and only stronger signals can pass through. Conversely, the lower the threshold, the more signals can pass.

- Bias: By setting the Bias lead, the AI noise reduction model can be made to "prepare" in advance for the upcoming noise or signal changes. In audio noise reduction, if the changing trend of the noise can be predicted in advance and the bias is adjusted accordingly, the model can more accurately suppress the noise when it appears, reducing the interference of the noise on the useful signal and improving the timeliness and accuracy of noise reduction.

II: AMP Module (1-15 is guitar preamp, 16-20 for bass preamp)

- Gain
- Level
- Bass
- Mid

- Treble

III: Modulation Module(Support TAP function)

1. Chorus

- Speed
- Depth
- Mix: Adjust the dry and wet ratio.

2. Phaser

- Speed
- ParamA: MidCut, the larger the value, the greater the midfrequency reduction of the effect, this parameter is mainly designed for distortion timbre.
- ParamB: Resonance, resonance intensity adjustment of phase effect.
- Feedback: Adjust the feedback amount of Phaser.

3. Tremolo, it is basically a change of the signal level controlled by an Low-frequency Oscillator.

- Speed
- Depth
- Level parameter, Use this parameter to adjust the output volume of this Module again.

4. Flanger, it is use the same principle as Chorus, but it uses a shorter delay time and adds regeneration(or repeats) to the modulating delay. This results in an exaggerated up and down sweeping motion to the effect.

- Speed
- Depth
- Feedback: Adjust the amount of feedback for the sweep effect in wet sound.
- Mix: Adjust the dry and wet ratio.

5. Vibrato, The vibrato effect modulates the pitch of the incoming signal. The result is similar to the Tremolo technique used by vocalists. In contrast to a Chorus or Flanger effect, no direct signal is combined with the pitch-modulated signal.

- Speed
- Depth

6. Univibe, a unique timbre, a combination of chorus and phaser.

- Speed
- Depth
- Mix

7. Autofilter, filter works regularly by setting the frequency, both guitar and bass can be used.

- Speed
- Min: Minimum frequency of the filter sweep frequency, when the value is turned up, the middle and low frequency parts of the wet sound are more prominent.
- Max: Maximum frequency of the filter sweep frequency, when the value is turned up, the middle and high frequency parts of the wet sound are more prominent.
- Mix
- Feedback

IV: Delay Module(Support TAP and Freeze function)

1. Analog, it is the delay effect of the signal of the analog tube, and the timbre has the characteristics of retro and warm.

- Time, adjust the feedback speed of echo repeats, 600-60bpm.
- Feedback, the feedback times of echo repeats.
- Mix, Adjust the dry and wet ratio.
- Phaser, the Phaser effect is increased in the Delay wet sound. This parameter can adjust the amount of Phaser used.
- Pitch: We add a little detuning effect to the delay wet sound, this parameter adjusting the pitch of the detuning effect, which is a slightly shifted sound, a retro and charming sound.

2. Ducking Delay, When we process the delayed wet sound, we add the Noise Gate to the part before the wet sound. Thus, the front part of the wet sound is suppressed to achieve a front evasive effect, and the sound is gradually increased, the dynamics of the delay are more 'felt' than 'heard'.

- Time, adjust the feedback speed of echo repeats, 600-60bpm.
- Feedback, the feedback times of echo repeats.
- Mix, Adjust the dry and wet ratio.

- Unpack, After this parameter is turned up, the sudden rise in the volume of the wet rear part can be unpacked, so as to achieve a smoother delay dynamic.
- Speed, the Chorus effect is increased in the Delay wet sound. This parameter can adjust the speed of Chorus used.
- Depth, this parameter adjusts the depth of the Chorus.

3. dTape, Tape delay, it replicates the unique delay style of tape machine, you can not only get the warmth and silky of professional grade tape machine, but also simulate the sound effects of tape in real situations such as CRINKLE, BIAS, and so on.

- Time, adjust the feedback speed of echo repeats, 600-60bpm.
- Feedback, the feedback times of echo repeats.
- Mix, Adjust the dry and wet ratio.
- Grit, the GRIT takes on the function of TAPE BIAS. This parameter adjusts tape machine bias, from under biased to over-biased, it sounds like an overdrive of wet sounds. Bias sets the dynamic range and headroom of the wet signal.
- Speed, the SPEED takes on the function of TAPE CRINKLE. This parameter adjusts the amount and severity of tape irregularities, including friction, creases, splices and contaminants. Tape Crinkle characteristics track accordingly to tape speed. Set to minimum for a fresh, clean tape. Set to maximum for a tape that has been mangled and chewed for years.

- Depth, This parameter control varies the amount of mechanically related tape speed fluctuations. This also results in natural tape machine style modulation, it's like a chorus. Parameter minimum for a more tuned, cleaned and serviced tape machine. Parameter maximum to hear the sound of a tape machine in need of service. In between the extreme settings, a natural tape modulation is achieved.

4. Dual Delay, two independent delay echoes, the time-lag of the first echo and the second echo achieves a very interesting delay rhythm effect.

- Time, adjust the feedback speed of echo repeats, 1200-120bpm.
- Feedback, the feedback times of echo repeats.
- Mix, Adjust the dry and wet ratio.
- Time-Mode, Adjust the time-lag between the two echoes, the minimum is the equivalent of no time-lag, and the greater the number, the greater the time-lag.
- Speed, the Chorus effect is increased in the Delay wet sound. This parameter can adjust the speed of Chorus used.
- Depth, this parameter adjusts the depth of the Chorus.

5. Lofi Delay, a special, retro and destructive delay effect, the wet sound reflects the filter, the vinyl record, the noise lo-fi and many other senses.

- Time, adjust the feedback speed of echo repeats, 600-60bpm.
- Feedback, the feedback times of echo repeats.
- Mix, Adjust the dry and wet ratio.
- Grit, When the parameter is turned up, it sounds like a overdrive wet sound.
- Speed, the Chorus effect is increased in the Delay wet sound. This parameter can adjust the speed of Chorus used.
- Depth, this parameter adjusts the depth of the Chorus.

V: Reverb Module

1. Room reverb, it simulates a relatively small, simple-structured room sound where many reflections are absorbed by soft material in the room, and sound is reflected by walls.

- Decay, Adjust the duration of echo.
- Mix, Adjust the ratio of wet and dry.
- HPass, HIGH pass, only used to regulate wet sound.
- LPass, Low pass, only used to regulate wet sound
- Depth, the pitch of wet sound produces a small cyclical rise and fall, you will hear vintage and charming background sound.

2. Hall reverb, it gives a wide, slightly scattering feeling, it simulates a grand ambient sound.

- Decay
- Mix
- HPass
- LPass
- Depth

3. SWELL reverb, the Swell machine brings in the reverb gradually behind the dry signal for subtle evolving textures, like having a volume pedal on the wet sound.

- Decay
- Mix, If the dry sound is removed, and set the RiseT parameter to 0, it can mimic the sound of string instruments such as the violin.
- HPass
- LPass
- RiseTime, it adjusts the rise time of the swelled signal, I suggest you choose shorter times for single-line soloing or longer times for ambient chord work.

4. Spring reverb, it is a common type of reverberation. The sound signal is transmitted to the spring tank, and the pickup picks up the resonant sound of the spring tank, to mimic the reverberation effect produced in space.

- Decay
- Mix
- HPass
- LPass
- Combs, control the number of springs.

5. Shimmer reverb, there is a pitch-shift sound in the wet sound. Adjust the pitch of the pitch-shift sound, you can get the dissonant interval, create a scary background sound. You also can get the harmonic interval, it's a wonderful sound, a resplendent and unearthly ambience. The Amount parameter allow for a range of shimmer effects from laid-back and subtle to full-blown majestic splendor.

- Decay
- Mix
- Tone, Adjust the brightness of the reverb wet sound.

- Pitch, Adjust the pitch of the pitch-shift sound, the minimum value is the same as the original sound, the maximum value is two octaves above the original sound.

- Amount, adjust the amount of pitch-shift sound.

6. Cloud reverb, is a gorgeous large ambient reverberation, it sounds like the music come from all sides of the cloud. Cloud reverb can take any modest guitar or synth sound and turn it into a gorgeous ensemble.

- Decay

- Mix

- HPass

- LPass

- Diffusion, softens the early reflections to create a more diffused reverb. As Diffusion is increased, the reverb is smoothed and softened, the delay and reverberation mix together more naturally.

VI: IR CAB Module(1-15 is guitar CAB simulator, 16-20 is bass CAB simulator)

- Level

- Low cut, Adjust the low cut point, optionally 20-300 Hz. If you choose 300 Hz, it means that low frequencies below 300 Hz are suppressed.

- High cut, Adjust the high cut point, optionally 18000-5000 Hz. If you choose 5k Hz, it means that high frequencies above 5000 Hz are suppressed.

Technical parameters

Connections	
Input	1/4" jack, mono (TS)
Output	1/4" jack, mono (TS)
Headphone output	1/8" (3.5 mm) stereo jack
USB	USB-C: charging, USB audio, MIDI and data transfer
Audio	
Sample rate	44.1 kHz / 24-bit
Dynamic range	105 dB
USB audio (OTG)	44.1 kHz / 24-bit, Loopback on/off
IR processing	44.1 kHz / 24-bit mono WAV files, 1024 sampling points
Effects & presets	
Total effects	60+
Effect modules	6 modules, up to 7 effects at once; order editable
AMP models	20 (1–15 electric guitar preamps, 16–20 bass preamps)
IR slots	20 (1–15 electric guitar cabinets, 16–20 bass cabinets)
Presets	80 (40 factory + 40 user)

Connectivity & software	
BT	Music playback
USB MIDI	Supported
Software	Windows, macOS, iOS, Android (download via QR code)
Power & battery	
Power supply	Built-in battery or USB-C 5 V
Battery type	Li-ion, model 103450
Battery capacity	2000 mAh
Nominal voltage	3.7 V
Battery life	Up to 10 hours
Charging current limit	Approx. 408 mA
Operating current	Approx. 200 mA
Dimensions & contents	
Dimensions (L × W × H)	113 × 109 × 41 mm
Weight	410 g
Included	USB cable

Other



Scan the QR code to download the computer software and mobile app

- **APP using tips:**

Before operation, make sure that the BT of the cellphone and Fazley Core-FX2 are both turned on, then run the APP and click the “≡” button, click the "Current Device" and select the "Fazley Core-FX2", then scan nearby devices, you can connect to use.

- Can support wired/wireless connection MIDI pedal (MIDI pedals need to be purchased separately), so as to achieve the purpose of expanding the Footswitches.

1. The following functions can be achieved: 4 Presets can be realized as a Bank, Bank+ and Bank-, all the Presets can be freely loaded.

2. Six modules can be switched on and off by pressing the external footswitches.

3. You can use the first footswitch to replace the Home button, the second Footswitch to replace the PARA button "press" action, and the third and fourth to replace the PARA button "turn counterclockwise" and "turn clockwise".

●Tips: Loopback function, a common function on sound cards, can be enabled or disabled in software, it is set to the "on" position in factory condition.

When the function is turned on, the music in the computer/mobile phone will be recorded at the same time with the instrument sound, it's the same track mixed recording, including USB and BT music.

If the function is turned off, when using the Fazley Core-FX2 as a sound card for recording, only the IN-interface instrument sounds can be recorded, which is more convenient for sub-track recording of instrument sounds during computer recording.

●We will continue to improve our products and reserve the right to modify certain functions and specifications (including but not limited to appearance, packaging design, operation manual, accessories, dimensions, specifications, displays, etc.) without prior notice. Please confirm the product functions and specifications with the local distributor before the purchase. Product pictures and color due to the light error and screen admiration setting. It may be different from the physical product effect. Please refer to the physical object accordingly.

	WEEE: Dispose of this product properly. This product is part of the WEEE directive – the Waste Electrical and Electronic Equipment directive. The requirements stated in this directive apply to all manufacturers and producers of electronic equipment in the EU. Do not dispose of this product together with regular household trash. Contact your local government for more information about proper disposal and recycling of electronic products in your region. By recycling this product properly after use, we can work together to enjoy these products and also protect our environment from being polluted.
	CE: The CE mark indicates that the product complies with applicable European directives and regulations.

Contact:

Fazley musical instrument products and accessories
 Verrijn Stuartweg 18
 4462 GE Goes
 The Netherlands

Please do not send any products directly to this address. If you wish to return a product for a refund or repair, please contact your local dealer for an RMA (Return Material Authorisation).

EU Declaration of Conformity

Fazley musical instrument products and accessories
Verrijn Stuartweg 18
4462 GE Goes
The Netherlands

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Article code:

Fazley Core-FX2

Article name:

Guitar/Bass AMP Modeler Multi Effects
Processor with BT wireless technology (2.4 GHz)

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment. (RED).

Used standards:

EN IEC 62368-1:2020+A11:2020,
EN 62479:2010,
EN 50663:2017,
ETSI EN 301 489-1 V2.2.3 (2019-11),
ETSI EN 301 489-17 V3.2.4 (2020-09),
ETSI EN 300 328 V2.2.2 (2019-07)

The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

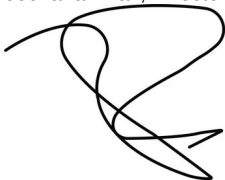
Used standards:

IEC 62321-4:2013+A1:2017,
IEC 62321-5:2013,
IEC 62321-6:2015,
IEC 62321-7-1:2015,
IEC 62321-7-2:2017,
IEC 62321-8:2017

Signed for and on behalf of:

Fazley musical instrument products and accessories
Goes, 1-5-2026

Jochanan Bax, Director

A stylized, handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke at the bottom.