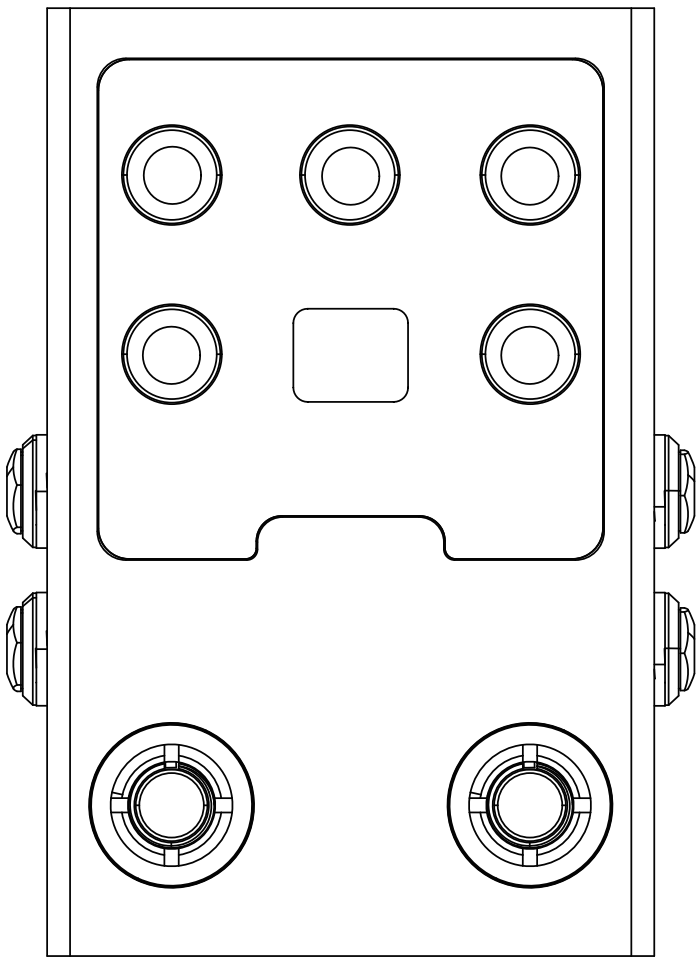
AETHER

USER MANUAL

Stereo Reverb Pedal



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Product Overview

- **Product Positioning:** Professional-grade dual-footswitch reverb pedal for guitar/bass, designed for professional musicians and recording engineers, covering live performances, studio recordings, and daily practice scenarios.
- **Core Effect Configuration:** Built-in 9 carefully selected reverb effects, covering both practical and ambient reverb types to meet the spatial sound requirements of different musical styles and performance scenarios. Simple to adjust, offering strong tonal adaptability.
- **Hardware Core Configuration:** Equipped with a full stereo interface, faithfully reproducing stereo sound field details while supporting both recording and stereo performance needs. Eliminates tone loss and ensures pure signal output.
- **Special Features:** Supports infinite sustain function, featuring an independent trails engine that allows the reverb tail to decay naturally when the effect is turned off, avoiding abrupt cut-offs. Suitable for solos and ambient playing, enhancing tonal depth and atmosphere. Easy to operate, allowing even beginners to master it effortlessly.

Precautions

- **Power Supply:** Please use a dedicated power source with 9V DC, center negative, ⩾300mA / USB-C 5V, ⩾300mA. Do not use any other power specifications, as this may damage the device. Disconnect the power when not in use or during thunderstorms.
- **Connection:** Ensure the power is turned off before connecting or disconnecting cables. Disconnect all cables before moving the device.
- **Placement:** Avoid exposure to direct sunlight, high temperatures, humidity, dust, strong magnetic fields, and excessive vibration.
- **Interference:** To prevent signal interference, keep the device away from radios, televisions, and other similar equipment during use.

- **Cleaning:** Wipe with a dry, soft cloth. Do not use alcohol, thinner, or any other chemical solvents.
- **Operation:** Do not operate controls with excessive force. Prevent foreign objects from entering the device. Avoid dropping or placing heavy objects on the device.

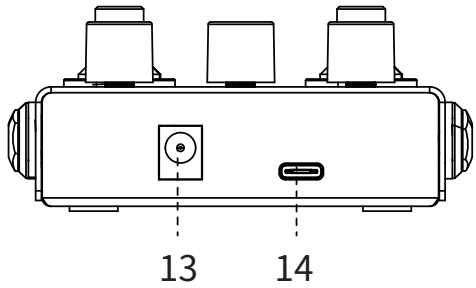
Panel and Interface Descriptions

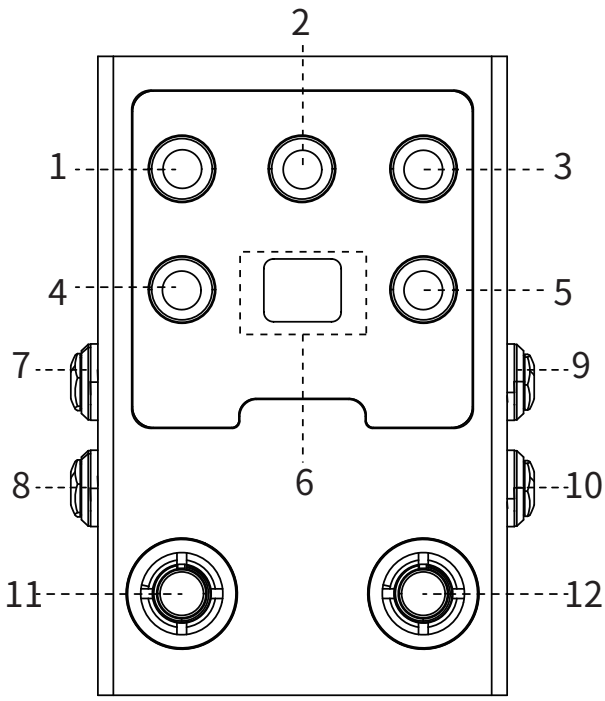
1.PRE-DELAY Knob: Adjusts the pre-delay time.
2.TONE Knob: Adjusts the brightness of the reverb tail.
3.PARA Knob: Maps to different control parameters depending on the currently selected reverb effect.
4.DECAY Knob: Adjusts the reverb decay time.
5.MIX Knob: Adjusts the blend ratio between the dry signal and the effect signal.
6.Digital Tube Display: Shows the abbreviation of the currently selected effect in real time. When the effect is enabled, the dot on the lower right lights up. When the reverb tail hold is enabled, the center dot at the bottom of the display lights up; it turns off when the function is disabled.
7.OUT1: Stereo left channel output. Sends the processed audio signal to an amplifier or subsequent equipment in the signal chain.
8.OUT2: Stereo right channel output. Sends the processed audio signal to an amplifier or subsequent equipment in the signal chain.
9.IN1: Mono / Stereo left channel input. Connects the instrument's raw audio signal.
10.IN2: Stereo right channel input. Used in conjunction with IN1 for stereo signal input.
11.FS-L Footswitch: Short press: Toggles the reverb effect on/off.
Long press: Cycles through 9 reverb effects.The RGB indicator stays lit when the effect is on and turns off when the effect is off.Long press both FS-L and FS-R simultaneously: Toggles the reverb tail hold function on/off.

12.FS-R Footswitch: Long press and hold: Activates infinite reverb tail sustain; release to cancel.When infinite sustain is active, the RGB lights on both FS-L and FS-R change color and stay lit.After canceling sustain, the indicators return to their previous state.Long press both FS-L and FS-R simultaneously: Toggles the reverb tail hold function on/off.

13.DC 9V Interface: Power supply input. Requires a regulated 9V DC power supply with center negative polarity and a current of at least 300mA to power the device.

14.USB-C Interface: Used for connection to a computer, enabling preset import, firmware updates, and audio recording/transfer. Supports power supply via 5V ⩾300mA. When used for audio transmission, the wet effect volume will be automatically reduced to prevent input overload and potential damage to connected external equipment.





Bypass Mode Description

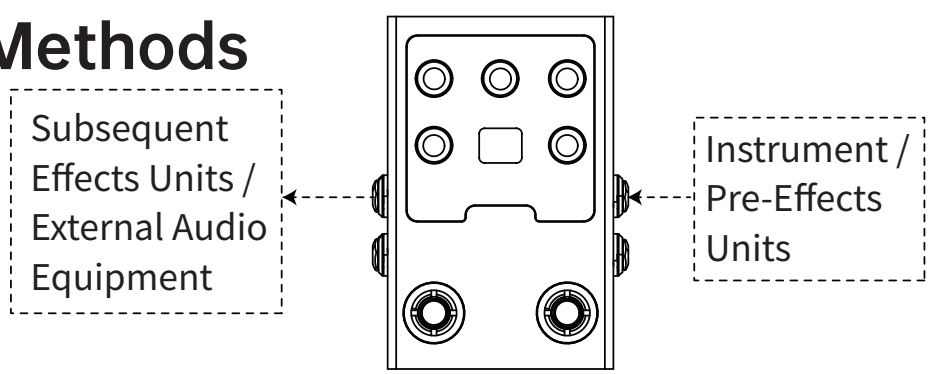
- Analog Bypass Mode (Soft Bypass)When the reverb effect is off and the reverb tail hold function is disabled, the device automatically enters analog bypass mode. The input signal bypasses the reverb processing module and is routed directly to the output ports. In this mode, the input signal is passed through completely, ensuring minimal loss and coloration for connection to downstream devices (e.g., stereo effects units, mixing consoles, etc.).

• DSP Bypass Mode (DSP Bypass)When the reverb effect is off but the reverb tail hold function is enabled, the device automatically switches to DSP bypass mode. The input signal is processed by the DSP to maintain the continuous output of the reverb tail while also being passed through to the outputs. In this mode, the input signal is still delivered completely to the corresponding output ports.

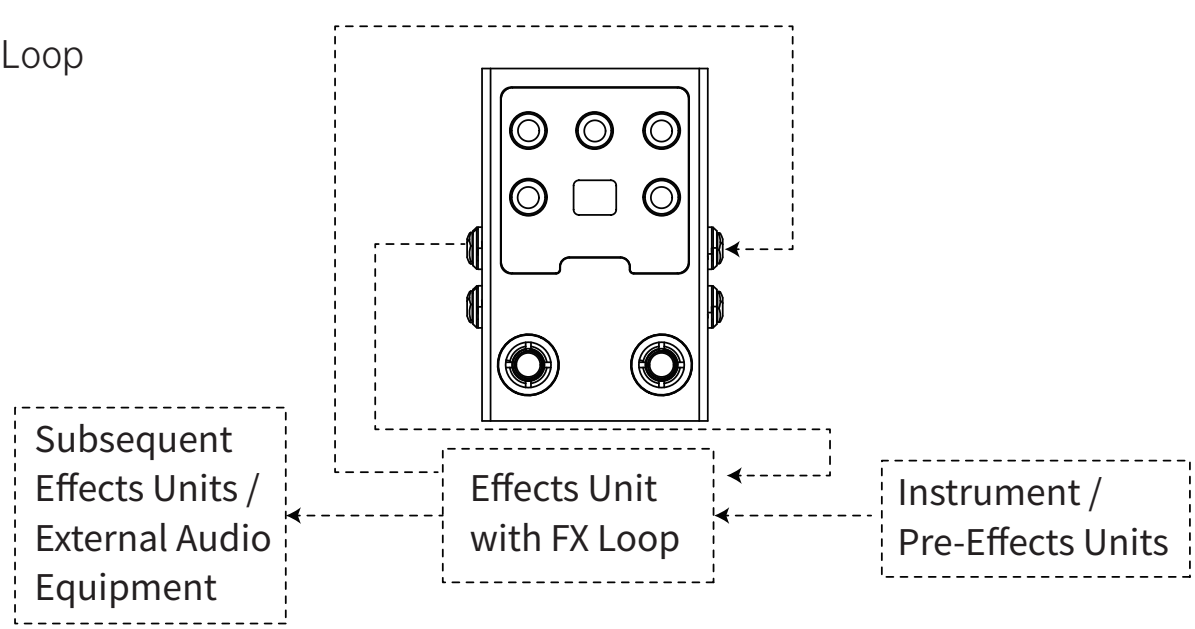
Connection Methods

• Mono Output

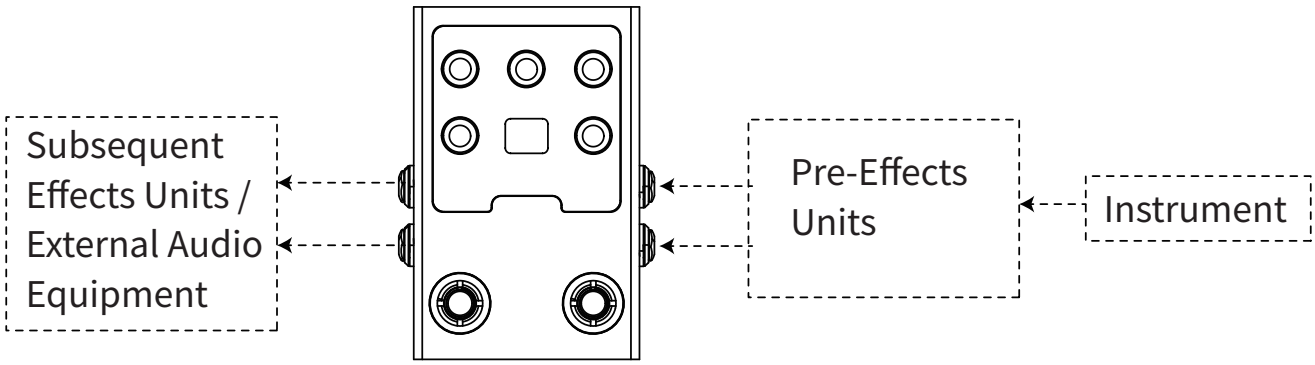
1.Effect Chaining



2.Effect Loop

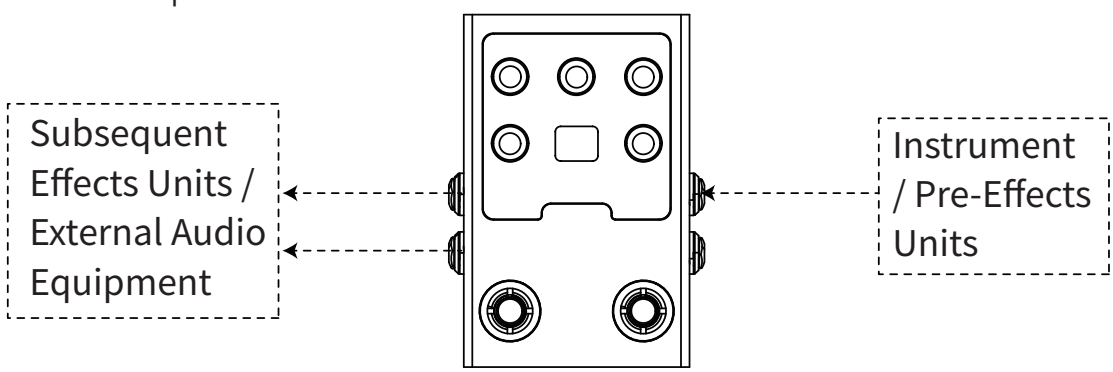


2.IN1 → OUT1, IN2 → OUT2 – True Stereo Independent Channels



•Stereo Output

1.Mono-to-Stereo Spatial Enhancement



Effect Descriptions

Effect Name Display	Effect Descriptions	PARA Knob Control Parameters
r0.	Room: Natural small-space reverb, warm and compact, recreating the intimate listening texture of close-range indoor acoustics. Clear and articulate without muddiness.	Mod: Adjusts the modulation intensity of the reverb tail
PL.	Plate: Classic metal plate simulation, featuring high density and smooth decay. Rich in vintage character, ideal for vocals and a wide variety of instruments.	Mod: Adjusts the modulation intensity of the reverb tail
HA.	Hall: Medium to large hall spatial ambiance with an expansive, transparent sound field and lingering reverberation. Enhances overall dynamics and spatial width.	Tone: Adjusts the brightness/clarity of the reverb tail
CH.	Concert Hall: Acoustic simulation of a professional concert hall. Offers rich layering and natural diffusion, delivering a strong sense of presence suitable for formal performances.	Mod: Adjusts the modulation intensity of the reverb tail
Ab.	Ambience: Light, diffused spatial coloration with a short tail and low latency. Preserves the clarity of the dry signal while adding a gentle, natural atmosphere.	Tone: Adjusts the brightness/clarity of the reverb tail
CL.	Cloud: Fluffy, ethereal diffuse reverb. The tail is dense and cloud-like, creating an airy, dreamy, and soft soundscape.	Mod: Adjusts the modulation intensity of the reverb tail
SP.	Spring: Classic amplifier spring reverb simulation with a vintage resonant texture and a subtle characteristic "bounce," well-suited for rock and blues.	Crossover: Adjusts the input frequency band for the spring reverb
SH.	Shimmer: Dreamlike reverb with ethereal high-frequency overtones. The tail is bright and shimmering, creating a sublime and airy tonal lift, perfect for ambient solos.	Semitones: Adjusts the pitch of the reverb tail
SE.	Swell: Slow-attack, crescendo-style reverb. The tail swells smoothly without an abrupt onset, creating a progressive, enveloping sense of space.	Rise: Adjusts the swell attack speed of the reverb

Technical Specifications

Reverb Effects	9
Input	2 x 1/4" Mono audio jacks, Input Impedance: 1 MΩ
Output	2 x 1/4" Mono audio jacks, Output Impedance: 100 Ω
Operating Voltage	9V DC (center negative) / USB 5V
Operating Current	300 mA
Weight	Approx. 362 g
Dimensions	132.5 mm (L) x 98.5 mm (W) x 43.5 mm (H)
Accessories	USB-C Cable, User Manual