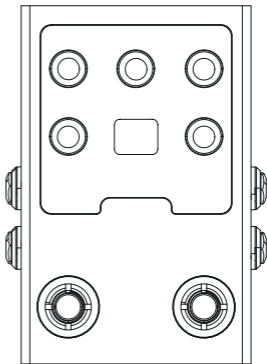


AETHER

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, $\geq 300\text{mA}$ / USB-C 5V, $\geq 300\text{mA}$. 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.

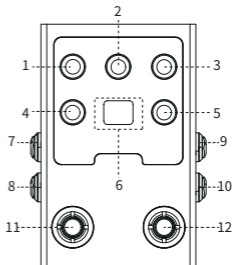
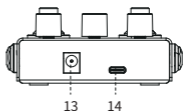
Panel and Interface Descriptions

- 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 $5V \geq 300mA$. 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

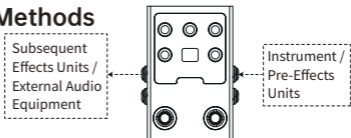
- Analog Bypass Mode (Soft Bypass)When the reverb effect is off and the reverb tail hold function is disabled, the device automatically enters analog bypass mode. The input signal bypasses the reverb processing module and is routed directly to the output ports. In this mode, the input signal is passed 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.

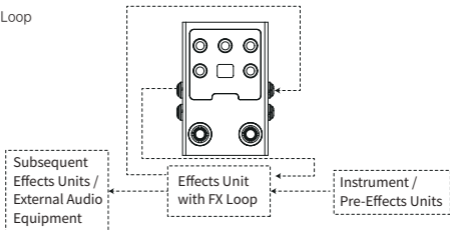
Connection Methods

• Mono Output

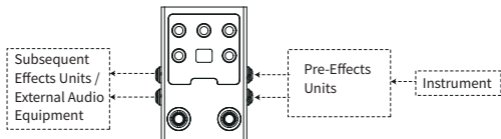
1. Effect Chaining



2. Effect Loop

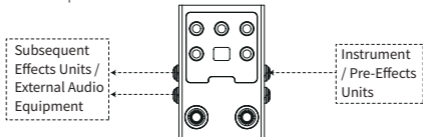


2. IN1 → OUT1, IN2 → OUT2 – True Stereo Independent Channels



• Stereo Output

1. Mono-to-Stereo Spatial Enhancement



Effect Descriptions

Effect Name Display	Effect Descriptions	PARA Knob Control Parameters
RD.	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

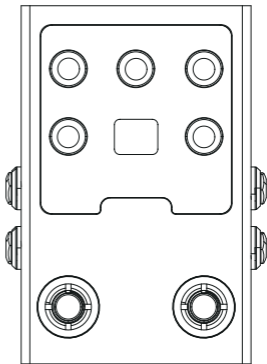
Technical Specifications

Reverb Effects	9
Input	2 x 1/4" Mono audio jacks, Input Impedance: 1 M Ω
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

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使用说明

立体声混响单块效果器



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产品概述

- **产品定位：**专业级双踩钉吉他/贝斯混响单块，适配专业乐手、录音师使用，覆盖现场演出、棚内录音、日常练琴全场景。
- **核心效果配置：**内置9款精选混响效果，覆盖常规实用型与氛围感混响类型，满足不同风格曲目、不同演奏场景的空间音色需求，调试简单、音色适配性强。
- **硬件核心配置：**搭载标准立体声全接口，完整还原立体声声场细节，兼顾录音与立体声演出需求，杜绝音色损耗，保障纯净信号输出。
- **特色功能：**支持无限延音功能，搭载独立尾音保留功能（Trails）引擎，关闭效果时尾音自然衰减，无断音突兀感。适配独奏、氛围演奏，强化音色层次与氛围感，操作简易，新手轻松掌握。

注意事项

- **电源：**请使用9V DC内负外正 $\geq 300\text{mA}$ / USB-C 5V $\geq 300\text{mA}$ 专用电源，禁止混用其他规格，否则易损坏设备；不使用或雷雨天气请拔掉电源。
- **连接：**连接 / 拔线前请先关闭电源，移动前请断开所有线材。
- **放置：**避免阳光直射、高温、潮湿、多尘、磁场及剧烈震动环境。
- **干扰：**使用时远离收音机、电视机等设备，避免信号干扰。
- **清洁：**用干燥软布擦拭，勿使用酒精、稀释剂等化学溶剂。
- **操作：**请勿暴力操作控件，防止异物掉入机内，避免摔落与重压。

面板与接口说明

1.PRE-DELAY 旋钮：调节预延迟时间。

2.TONE 旋钮：调节混响尾音的明暗度。

3.PARA 旋钮：随当前所选混响效果映射不同控制参数。

4.DECAY 旋钮：调节混响衰减时间。

5.MIX 旋钮：调节干声与效果声的混合比例。

6.数码管显示屏：实时显示当前所选效果的名称缩写。效果开启后，右下角点亮；混响尾音保留功能开启时，数码管中间下方的点会点亮，功能关闭时该点熄灭。

7.OUT1：立体声左声道输出接口，输出处理后的音频信号至音箱或后级设备。

8.OUT2：立体声右声道输出接口，输出处理后的音频信号至音箱或后级设备。

9.IN1：单声道 / 立体声左声道输入接口，接入乐器原始音频信号。

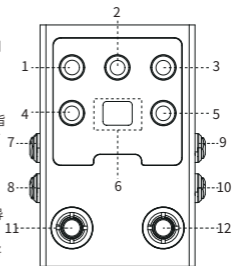
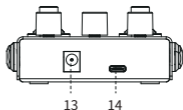
10.IN2：立体声右声道输入接口，与 IN1 配合实现立体声信号输入。

11.FS-L 踩钉：短按切换混响效果开启 / 关闭；长按循环切换 9 种混响效果。RGB 指示灯常亮为效果开启，熄灭为效果关闭；与 FS-R 踩钉同时长按，可开启 / 关闭混响尾音保留功能。

12.FS-R 踩钉：长按保持开启混响尾音无限延音，松开即取消。无限延音激活时，FS-L、FS-R 踩钉 RGB 灯均转色常亮；取消延音后，指示灯恢复原有状态；与 FS-L 踩钉同时长按，可开启 / 关闭混响尾音保留功能。

13.DC 9V接口：供电接口，需接入 9V DC 内负外正，300mA 以上稳压电源驱动设备。

14.USB-C接口：用于电脑连接，可实现预设导入、固件升级与音频录制传输，支持 5V ≥ 300mA 供电；当用于音频传输时，效果湿声将自动降低音量，避免外接设备因输入过载损坏。



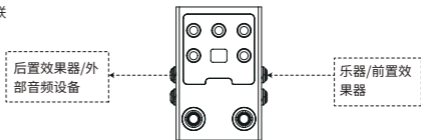
旁通模式说明

- 当混响效果处于关闭状态且混响尾音保留功能未开启时，设备将自动进入模拟旁通模式（Soft Bypass），输入信号不经过混响效果模块的处理，直接直通至输出接口。该模式生效时，输入信号会完整传递至对应的输出接口，确保信号低损耗、低染色地直通至后级设备（如立体声效果器、调音台等）。
- 当混响效果处于关闭状态且混响尾音保留功能开启时，设备将自动切换为 DSP 旁通模式（DSP Bypass），输入信号经过 DSP 处理以维持混响尾音持续输出并直通至输出接口，该模式生效时，输入信号会完整传递至对应的输出接口。

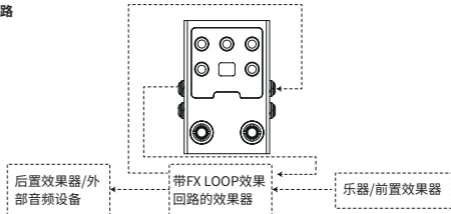
连接方式

•单声道输出

1.效果串联

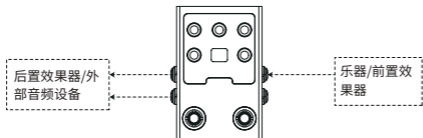


2.效果回路

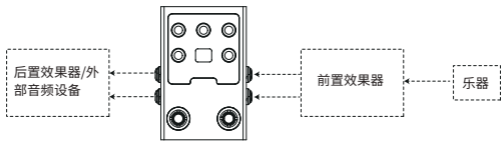


●立体声输出

1.单声道输入转立体声输出的空间扩展



2.IN1→OUT1、IN2→OUT2, 真立体声独立通道



效果描述

效果名称显示	效果描述	PARAMETER控制参数
	房间混响 (Room) : 小空间自然混响, 温暖紧凑, 还原近距离室内聆听质感, 清晰不浑浊。	Mod: 调节混响尾音震荡强度
PL.	板式混响 (Plate) : 经典金属板式模拟, 密度高、衰减顺滑, 复古质感浓郁, 适配人声与各类乐器。	Mod: 调节混响尾音震荡强度
HA.	大厅混响 (Hall) : 中大型厅堂空间感, 声场舒展通透, 余韵悠长, 提升整体动态与空间宽度。	Tone: 调节混响尾音通透度
CH.	音乐厅混响 (Concert Hall) : 专业音乐厅声学模拟, 层次丰富、扩散自然, 临场感强, 适合正式演奏。	Mod: 调节混响尾音震荡强度
Ab.	环境混响 (Ambience) : 轻薄弥散式空间润色, 短尾低延迟, 保留干声清晰度, 氛围感柔和自然。	Tone: 调节混响尾音通透度
CL.	云雾混响 (Cloud) : 蓬松缥缈的弥散混响, 尾音绵密如云, 营造空灵、梦幻的柔和声场。	Mod: 调节混响尾音震荡强度
SP.	弹簧混响 (Spring) : 经典音箱弹簧混响模拟, 带复古共振质感, 略带颤动感, 适合摇滚、布鲁斯。	Crossover: 调节弹簧混响输入频段
SH.	闪耀混响 (Shimmer) : 带高频泛音的梦幻混响, 尾音明亮闪耀, 音色空灵升华, 适合氛围独奏。	Semitons: 调节混响尾音音高
SE.	渐强混响 (Swell) : 缓起渐强式混响, 尾音平滑爬升, 无突兀起始, 营造渐进式包裹空间感。	Rise: 调节混响渐强爬升速度

效果技术参数

混响效果	9个
输入	2 个 1/4" 单声道音频接口, 输入阻抗 (阻抗1Mohm)
输出	2 个 1/4" 单声道音频接口, 输出阻抗 (阻抗100ohm)
工作电压	9V DC 内负外正 / USB 5V
工作电流	300mA
重量	约362克
尺寸	132.5毫米 (长) * 98.5毫米 (宽) * 43.5毫米 (高)
附件	USB-C 数据线、说明书