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M-KVIVE Elemental

M-vave Elemental Digital Delay Pedal Instruction Manual

Model: Elemental

1. Introduction

The M-vave Elemental is a versatile digital delay guitar effect pedal designed to enhance your musical expression with a wide range of delay effects. It features a high-performance digital signal processor, offering nine distinct delay types and supporting both TAP and HOLD modes for dynamic sound manipulation. Its robust iron shell ensures durability, making it suitable for various musical settings.



Figure 1: Front view of the M-vave Elemental Digital Delay Pedal, showcasing its purple finish and control knobs.

2. Key Features

- **Nine Delay Effects:** Includes Analog, Dual, Duck, Trem, Reverse, DTAPE, ICE, LOFI, and Pattern delay types.
- **High-Performance Digital Signal Processor:** Delivers detailed delay effects with up to 3000 milliseconds of delay time.
- **TAP and HOLD Modes:** Provides dynamic response and creative sound manipulation capabilities.
- **Intuitive Knob Controls:** Easy adjustment of Time, Delay Effect Type, Feedback, Mixing, Parameter, and MOD settings.
- **Durable Construction:** Housed in a sturdy iron shell for long-lasting use.
- **Flexible Power Options:** Can be powered by DC 9V (≥ 300mA, center negative) or USB 5V (≥ 300mA).
- **Standard Connectivity:** Features 1/4" mono interface (TS) for both input and output.

3. Setup and Connections

3.1 Powering the Pedal

The M-vave Elemental pedal offers two power options:

- **DC 9V Power:** Connect a DC 9V power adapter (minimum 300mA, center negative polarity) to the 9V DC input jack. Ensure the power adapter meets these specifications to prevent damage.

- **USB 5V Power:** Alternatively, the pedal can be powered via a USB 5V power supply (minimum 300mA) using the USB-C interface. A USB charging cable is included for this purpose.

Note: Power adapters are not included with the pedal.

3.2 Connecting to Your Instrument and Amplifier

Use standard 1/4" mono (TS) instrument cables for connections.

1. Connect your guitar or other instrument to the **"IN"** (Input) jack on the right side of the pedal.
2. Connect the **"OUT"** (Output) jack on the left side of the pedal to your amplifier or the next pedal in your signal chain.



Figure 2: Overview of the pedal's controls and connection interfaces, including input, output, power, and USB-C ports.

4. Operation

4.1 Control Knobs Overview

The Elemental pedal features six control knobs and a footswitch:

- **TIME:** Adjusts the delay time, ranging up to 3000ms.
- **TYPE:** Selects one of the nine delay effects.
- **FEEDBACK:** Controls the number of delay repeats.

- **MIX:** Blends the dry (unaffected) signal with the wet (effected) signal.
- **PARAM:** Adjusts a specific parameter unique to the selected delay type.
- **MOD:** Controls the modulation depth or rate for effects with modulation.
- **TAP/HOLD Footswitch:** Activates/deactivates the effect and controls TAP tempo or HOLD function.

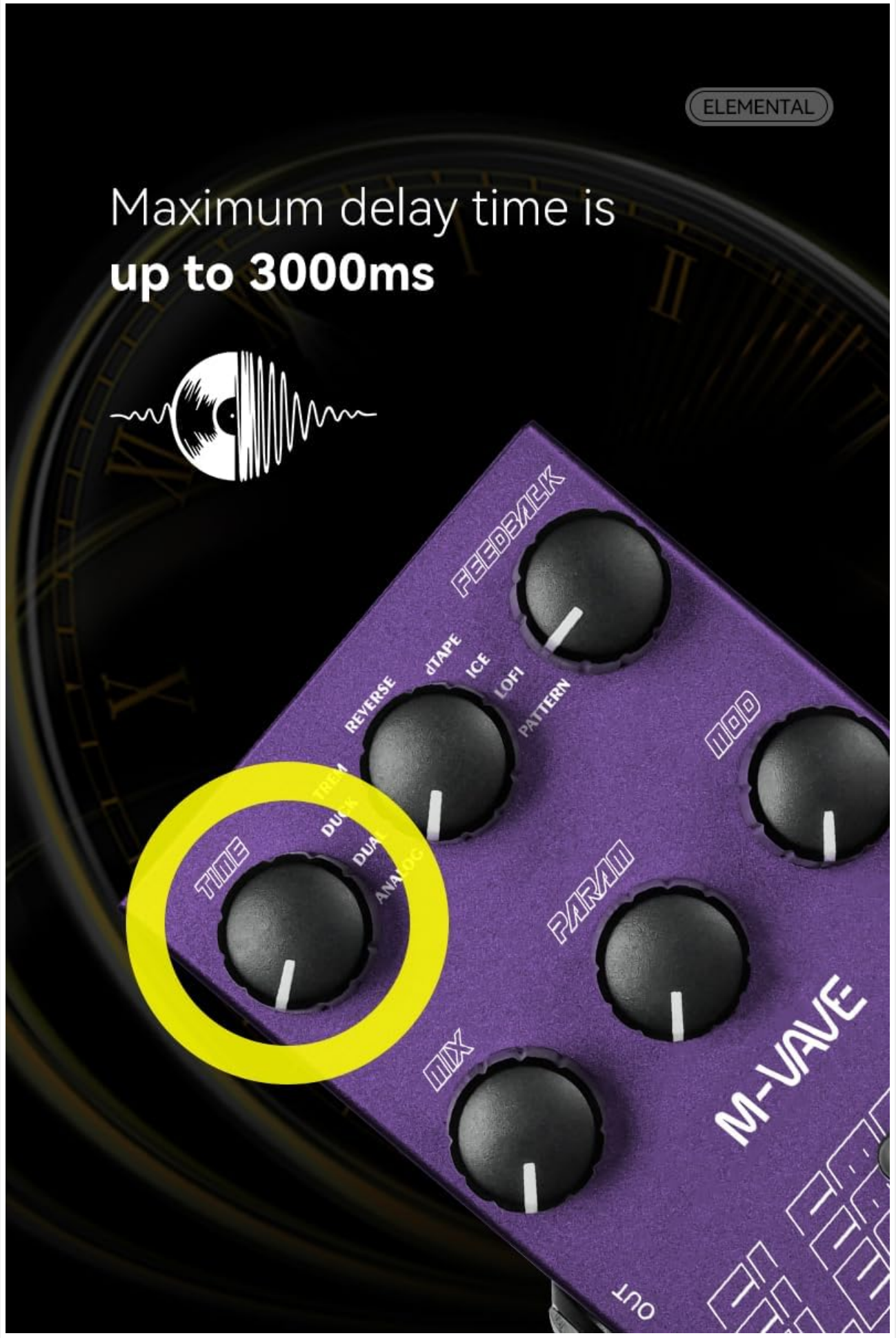


Figure 3: The TIME knob allows for delay times up to 3000 milliseconds, providing extensive control over the delay duration.

4.2 TAP and HOLD Modes

- **TAP Mode:** Tap the footswitch two or more times to set the delay tempo. The pedal will synchronize the delay time to your taps.
- **HOLD Mode:** Press and hold the footswitch for approximately 1 second to activate the infinite delay (freeze sound) function. Adjust the MIX knob to control the blend of the sustained sound with your dry signal. The LED light will indicate when HOLD mode is active.

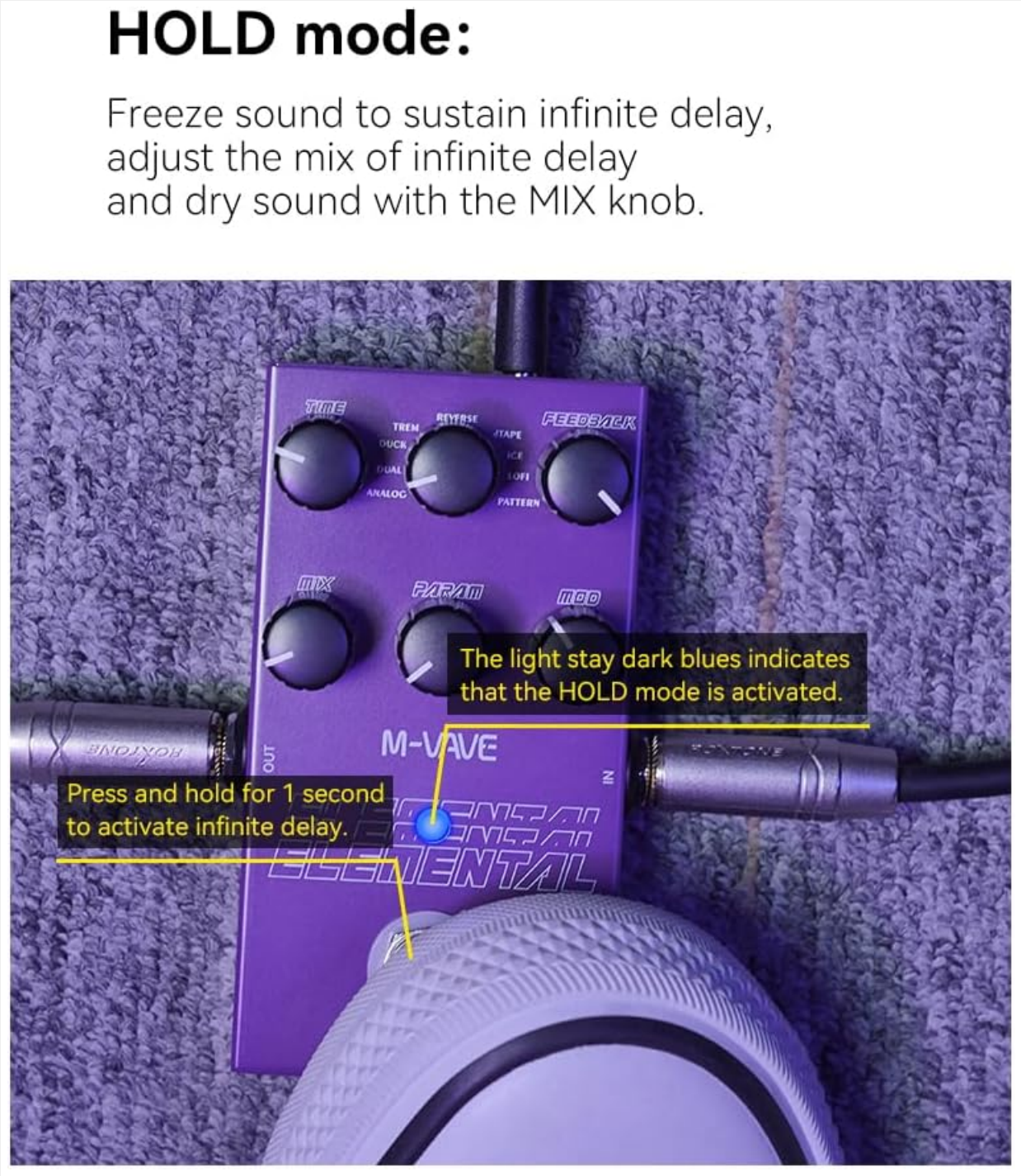


Figure 4: The pedal in HOLD mode, with the LED light indicating activation. This mode allows for infinite sustain of the sound.

4.3 Delay Effect Types Demonstration

The following video demonstrates each of the nine delay effects available on the M-vave Elemental pedal. Use the TYPE knob to select your desired effect.

[redacted]

Video 1: Demonstration of the M-vave Elemental pedal's various delay effects, showcasing their unique characteristics and sonic possibilities.

- **ANALOG (0:05):** Produces a warm, organic delay sound reminiscent of vintage analog delay units.

- **DUAL (0:26):** Creates two distinct delay lines, allowing for complex rhythmic patterns or wider stereo effects.
- **DUCK (0:50):** Features a ducking effect where the delay level decreases when you play and increases when you stop, keeping the dry signal clear.
- **TREM (1:10):** Combines delay with a tremolo effect, adding rhythmic volume modulation to the repeats.
- **REVERSE (1:31):** Generates delay repeats that play backward, creating unique and ethereal soundscapes.
- **DTAPE (1:54):** Simulates the characteristics of a classic tape echo, including subtle wow and flutter for a vintage feel.
- **ICE (2:26):** A freeze or sustain effect that can hold a note or chord indefinitely, creating ambient pads.
- **LOFI (2:48):** Introduces degradation to the delay repeats, mimicking the sound of old, degraded recordings for a gritty, low-fidelity effect.
- **PATTERN (3:16):** Offers rhythmic delay patterns, allowing for intricate and synchronized delay effects.

5. Technical Specifications

ELEMENTAL

Technical parameter



Input	Standard 1/4"jack-MONO/TS
Output	Standard 1/4"jack-MONO/TS
Power supply 1	DC 9V≥300mA ⊖-⊙-⊕
Power supply 2	USB 5V≥300mA
Size	112(L)X68(W)X40(H)mm
Weight	About 242g

Figure 5: Detailed technical parameters of the M-vave Elemental Digital Delay Pedal.

M-vave Elemental Digital Delay Pedal Specifications

Feature	Detail
Knobs	Time, 9 Delay Effect Type, Feedback, Mixing, Parameter, MOD
Delay Effects	Analog, Dual, Duck, Trem, Reverse, DTAPE, ICE, LOFI, Pattern
Input	1/4" mono interface/TS
Output	1/4" mono interface/TS
Power Supply 1	DC 9V ≥ 300mA, center negative (adapter not included)
Power Supply 2	USB 5V ≥ 300mA (adapter not included)
Product Material	Iron Shell
Product Color	Purple
Product Size	11.2 x 6 x 2.5 cm (4.4 x 2.4 x 1 inches)
Product Weight	240 grams (8.5 ounces)

6. Troubleshooting

Problem	Possible Cause	Solution
No sound or weak signal.	Incorrect cable connections, faulty cables, incorrect power supply, pedal not engaged.	Check all cable connections (input/output). Try different cables. Ensure power supply meets specifications (9V DC, center negative, ≥300mA or 5V USB, ≥300mA). Press the footswitch to engage the effect (LED should light up).
Unwanted noise or hum.	Poor quality power supply, ground loop, interference from other electronics.	Use a regulated, isolated power supply. Ensure all equipment is properly grounded. Move the pedal away from power transformers or other noisy electronic devices.
Effect not working as expected.	Incorrect knob settings, wrong delay type selected.	Refer to Section 4.1 and 4.3 to verify knob settings for the desired effect. Experiment with the TIME, FEEDBACK, MIX, PARAM, and MOD knobs.
LED not lighting up.	No power, faulty LED.	Check power supply connection and specifications. If power is confirmed and the pedal functions but the LED does not, contact customer support.

7. Care and Maintenance

To ensure the longevity and optimal performance of your M-vave Elemental pedal, follow these guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid using abrasive cleaners, solvents, or waxes, as they may damage the finish or internal components.
- **Storage:** Store the pedal in a dry environment, away from extreme temperatures, humidity, and direct sunlight.
- **Handling:** Handle the pedal with care. Avoid dropping it or subjecting it to strong impacts.

- **Power:** Always disconnect the power supply when the pedal is not in use for extended periods.

8. Warranty and Support

M-vave products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official M-vave website. Keep your purchase receipt as proof of purchase for any warranty claims.

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For further assistance, please contact M-vave customer support.

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