M-VAVE Cube-Baby

M-VAVE Cube Baby Multi-Effects Guitar Pedal User Manual

Model: Cube-Baby

1. Product Overview

The M-VAVE Cube Baby is a versatile multi-effects guitar pedal designed for guitarists seeking a compact and feature-rich solution for their sound. It integrates a wide array of effects, amplifier models, and cabinet simulations, along with convenient recording and Bluetooth capabilities.

Key Features:

- 9 Preamp Models with PC importing support.
- 8 IR Cabinet Simulations, supporting third-party IRs.
- High-quality Reverb, Delay, Chorus, Phaser, and Tremolo effects.
- Built-in high-precision guitar tuner with mute function.
- Live/Preset working modes with 3 editable presets.
- USB Audio interface for computer connectivity.
- Wireless audio input via Bluetooth 5.0.
- Mobile phone recording jack and headphone output.
- Built-in 600mAh rechargeable battery providing up to 8 hours of working time.



Figure 1: The M-VAVE Cube Baby Multi-Effects Guitar Pedal, showcasing its compact design and illuminated control knobs.

2. Setup

2.1 Initial Charging

Before first use, ensure the Cube Baby pedal is fully charged. Connect the included USB-C cable to the pedal's USB-C jack and to a 5V power adapter (e.g., a phone charger) or a power bank. A full charge typically takes approximately 2 hours. The pedal can be used while charging.

2.2 Connecting Your Gear

1. **Guitar Connection:** Connect your electric guitar to the **IN** (Input) jack on the rear panel using a standard 1/4-inch mono TS cable.
2. **Amplifier/Headphone Connection:** Connect the **OUT** (Output) jack to your guitar amplifier's input or to headphones using a standard 1/4-inch mono TS cable for an amplifier, or a 3.5mm stereo jack for headphones.
3. **Power On:** Press and hold the power switch on the rear panel to turn on the pedal.

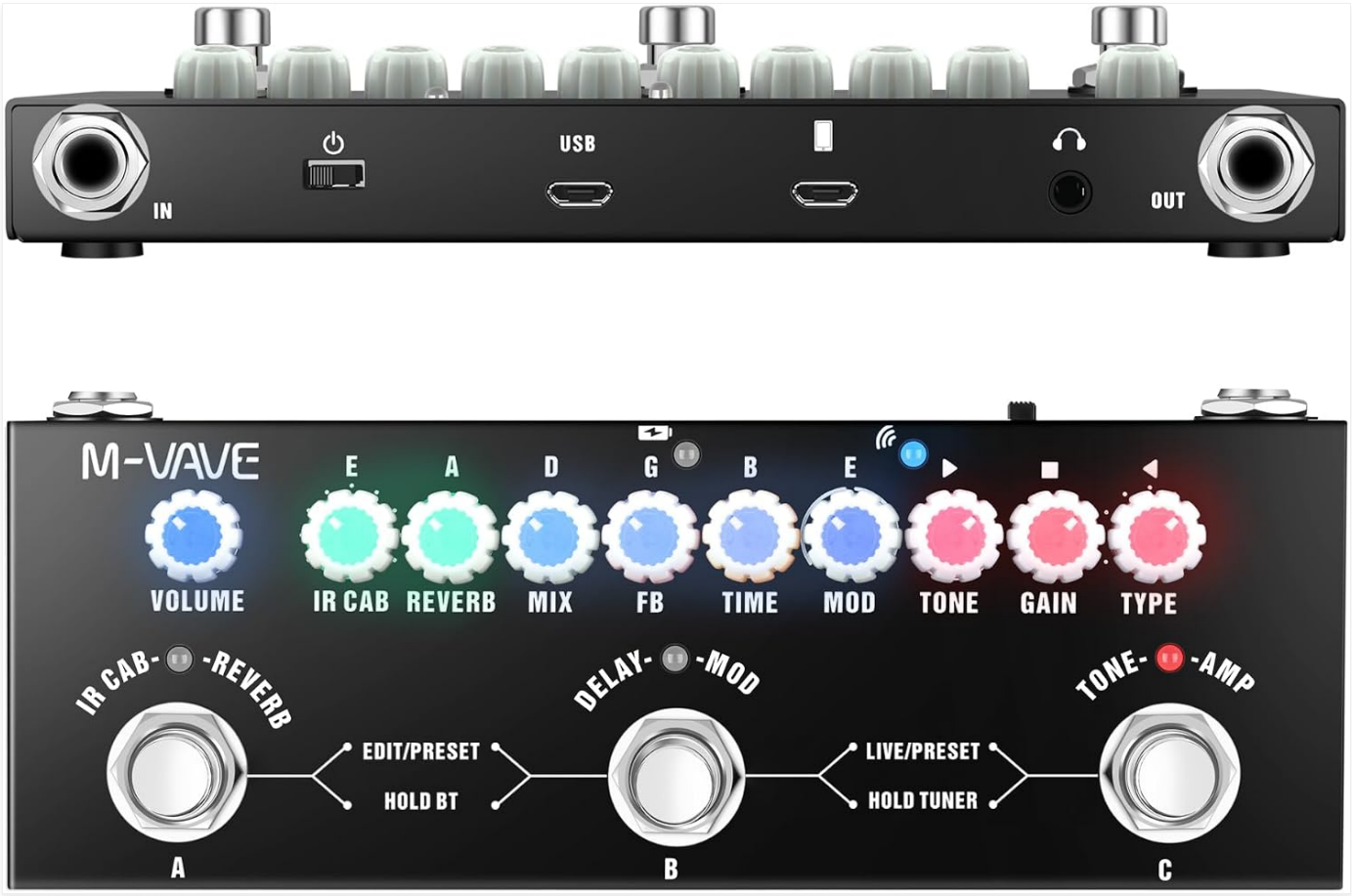


Figure 2: A composite image displaying both the top control panel and the rear input/output panel of the M-VAVE Cube Baby pedal.



Figure 3: A clear view of the M-VAVE Cube Baby pedal's rear panel, detailing the various input and output ports with their corresponding labels.

2.3 Bluetooth Pairing

The Cube Baby supports wireless audio input via Bluetooth 5.0, allowing you to play along with backing tracks from your mobile device. To pair:

1. Ensure Bluetooth is enabled on your mobile device.
2. The pedal's Bluetooth indicator light will blink when ready for pairing.
3. Search for "CUBE BABY" in your device's Bluetooth settings and connect.
4. Once connected, the Bluetooth indicator light will remain solid.

3. Operating Instructions

The M-VAVE Cube Baby offers both Live and Preset working modes, providing flexibility for different performance and practice scenarios.

3.1 Modes of Operation

- **Live Mode:** In this mode, the pedal's effects are directly controlled by the physical knobs. Any adjustments made to the knobs will immediately affect the sound.
- **Preset Mode:** The pedal features 3 editable presets (A, B, C). In this mode, the knob positions do not directly reflect

the active sound; instead, the sound is determined by the saved settings of the selected preset.

3.2 Footswitch Functions

The Cube Baby has three footswitches (A, B, C) for mode switching and effect control:

- **Footswitch A (IR CAB - REVERB):**
  - Short press: Toggles IR CAB and REVERB effects on/off.
  - Hold: Activates Bluetooth pairing mode (EDIT/PRESET).
- **Footswitch B (DELAY - MOD):**
  - Short press: Toggles DELAY and MOD (Modulation) effects on/off.
  - Hold: Switches between Live and Preset modes (LIVE/PRESET).
- **Footswitch C (TONE - AMP):**
  - Short press: Toggles TONE and AMP (Amplifier) effects on/off.
  - Hold: Activates the built-in tuner (HOLD TUNER).



Figure 4: A detailed view of the M-VAVE Cube Baby pedal's control knobs and footswitches, highlighting the various effect parameters.

3.3 Control Knobs

The pedal features several illuminated control knobs for fine-tuning your sound:

- **VOLUME:** Adjusts the overall output volume.
- **IR CAB:** Controls parameters related to the Impulse Response Cabinet simulation.
- **REVERB:** Adjusts the reverb effect level.
- **MIX:** Blends the dry signal with the wet (effected) signal.
- **FB (Feedback):** Controls the feedback level for delay effects.
- **TIME:** Adjusts the delay time.
- **MOD (Modulation):** Controls parameters for modulation effects (Chorus, Phaser).
- **TONE:** Adjusts the overall tone or equalization.
- **GAIN:** Controls the gain level for amplifier models.
- **TYPE:** Selects different amplifier models or effect types.



Figure 5: An angled perspective of the M-VAVE Cube Baby Multi-Effects Guitar Pedal, showing its robust metal casing and compact form factor.

3.4 Tuner Function

To activate the built-in tuner, hold down Footswitch C. The output will be muted while the tuner is active, allowing for silent tuning. The LED display will indicate the note and tuning accuracy.

4. Effects and Features Deep Dive

The Cube Baby pedal offers a comprehensive suite of effects and features to shape your guitar tone.

4.1 Amplifier Models and IRs

- The pedal includes 9 built-in preamp models, simulating various classic and modern amplifier tones.
- It also features 8 IR (Impulse Response) cabinet simulations, which accurately reproduce the sound characteristics of different speaker cabinets.
- Users can import their own third-party IRs via PC software, expanding the tonal possibilities.

4.2 Modulation and Time-Based Effects

- **Reverb:** Adds spatial depth and ambiance to your sound.
- **Delay:** Creates echoes and repeats, with adjustable feedback and time parameters.
- **Chorus:** Produces a rich, shimmering effect by slightly detuning and delaying the signal.
- **Phaser:** Creates a swirling, sweeping sound by shifting the phase of the signal.
- **Tremolo:** Modulates the volume of the signal, creating a pulsating effect.

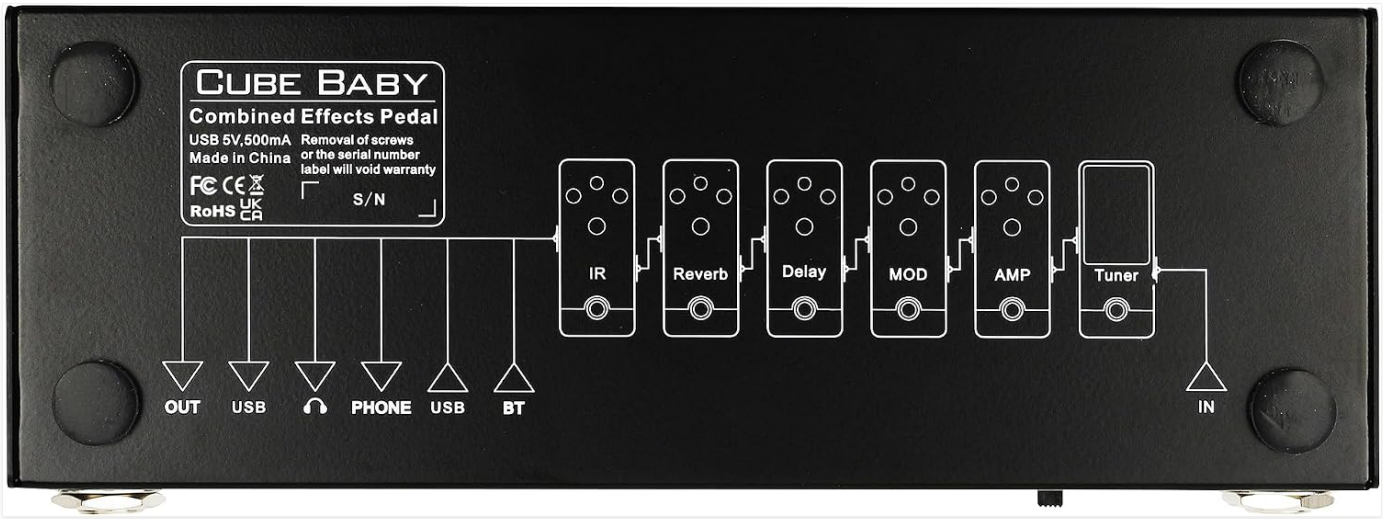


Figure 6: The M-VAVE Cube Baby Multi-Effects Guitar Pedal positioned in front of an acoustic guitar, illustrating its use in a musical setup.

5. Recording Function

The Cube Baby pedal offers convenient recording options for both mobile devices and computers.

5.1 Mobile Recording

Connect your mobile phone to the pedal's dedicated recording jack using the provided cable. This allows you to record your guitar playing directly to your phone, making it ideal for capturing ideas or practicing on the go.

5.2 USB Audio Interface

The USB-C port on the pedal also functions as a USB audio interface. Connect the pedal to your computer using a USB-C cable to use it for direct recording into a DAW (Digital Audio Workstation) or for re-amping. This connection also allows for editing presets and importing third-party IRs via dedicated PC software.

6. Specifications

Detailed technical specifications for the M-VAVE Cube Baby Multi-Effects Guitar Pedal:

Feature	Specification
Model	CUBE BABY
Input	1/4 inch interface mono/TS
Output	1/4 inch interface mono/TS
Sampling Rate	48k/24bit
Power Supply	Built-in 600mAh Rechargeable Battery
Working Time	Up to 8 hours (approx.)
Item Size	16.2 x 6.1 x 2.3 cm (6.37 x 2.4 x 0.9 inches)
Item Weight	260g (9.2 ounces)
Audio Output Effects	Reverb, Delay, Chorus, Phaser, Tremolo
Hardware Interface	Bluetooth 5, USB



Figure 7: An image showing the physical dimensions of the M-VAVE Cube Baby pedal alongside a table of its technical specifications.

7. Troubleshooting

If you encounter any issues with your M-VAVE Cube Baby pedal, please refer to the following common problems and solutions:

- **No Sound Output:**
  - Check all cable connections (guitar to IN, OUT to amplifier/headphones) are secure.
  - Ensure the pedal is powered on and has sufficient battery charge.
  - Verify that the VOLUME knob is turned up.
  - If in Tuner mode, the output is muted. Exit Tuner mode by short-pressing Footswitch C.
  - Check if your amplifier or headphones are working correctly.
- **Bluetooth Connection Issues:**
  - Ensure the pedal is in Bluetooth pairing mode (hold Footswitch A).
  - Make sure Bluetooth is enabled on your mobile device and it's within range.

- Try forgetting the device on your phone and re-pairing.

- **Effects Not Engaging:**
  - Ensure you are in the correct mode (Live or Preset) for the desired effect control.
  - Short-press the corresponding footswitch (A, B, or C) to toggle the effect on/off.
  - Check the individual effect knob settings.

- **Short Battery Life:**
  - Ensure the pedal is fully charged before use.
  - Using the pedal while charging is supported.
  - Battery performance may degrade over time with extensive use.

8. Maintenance

Proper care and maintenance will ensure the longevity and optimal performance of your M-VAVE Cube Baby pedal.

- **Cleaning:** Use a soft, dry cloth to clean the pedal's surface. Avoid using abrasive cleaners or solvents, which may damage the finish or internal components.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Care:** For optimal battery life, avoid completely draining the battery frequently. If storing for an extended period, charge the battery to about 50% and recharge every few months.
- **Transportation:** When transporting the pedal, use a padded case to protect it from physical damage.

9. Official Product Video

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This video provides an overview of the M-VAVE Cube Baby Multi-Effects Guitar Pedal, demonstrating its various features and sound capabilities.

10. Warranty and Support

M-VAVE products are manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official M-VAVE website.

Customer Support:

If you require further assistance or have questions not covered in this manual, please contact M-VAVE customer support through their official channels. Please have your product model number (Cube-Baby) and purchase information ready when contacting support.
For the latest information, software updates, and additional resources, please visit the official M-VAVE website:www.m-vave.com

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