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M-VAVE Cube Baby

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

Model: Cube Baby (MVA-CB)

1. Introduction

The M-Vave Cube Baby is a compact and versatile guitar multi-effects pedal designed for musicians seeking a wide range of tones and effects in a portable format. This pedal integrates 8 classic amplifier emulations, 4 essential effects (Chorus, Phaser, Delay, and Reverb), and a built-in digital tuner. Its rechargeable battery and USB connectivity for IR loading make it an ideal tool for practice, recording, and live performance.



Figure 1: M-Vave Cube Baby Multi-Effects Pedal Overview
This image displays the M-Vave Cube Baby pedal from an angled perspective, highlighting its compact size, control knobs, and three

footswitches. The black casing and white knobs are clearly visible.

2. Key Features

- **8 Classic Amp Emulations:** Offers a selection of amplifier models inspired by iconic American and British designs.
- **4 Essential Effects:** Includes Chorus, Phaser, Delay, and Reverb for versatile sound shaping.
- **9 Built-in Impulse Responses (IRs):** Provides various cabinet simulations.
- **Third-Party IR Loading:** Customize your sound by loading external IRs via USB software (Mac/Windows compatible).
- **Built-in Digital Tuner:** Convenient and accurate tuning functionality.
- **Rechargeable Battery:** Integrated battery provides 5-8 hours of continuous use on a 2-hour charge.
- **USB Connectivity:** For IR loading, software updates, and direct recording.
- **Bluetooth Functionality:** For audio playback from external devices.

3. Package Contents

Please check that all items are present in the package:

- M-Vave Cube Baby Multi-Effects Pedal
- USB Charging/Data Cable
- User Manual (this document)

4. Controls and Connections

4.1 Top Panel Controls



Figure 2: Top Panel Controls
This image provides a clear top-down view of the M-Vave Cube Baby pedal, detailing the layout of all control knobs and footswitches, along with their labels.

1. **VOLUME Knob:** Adjusts the overall output volume of the pedal.
2. **IR CAB Knob:** Selects one of the 9 built-in Impulse Responses (cabinet simulations) or custom loaded IRs.
3. **REVERB Knob:** Controls the intensity or mix of the Reverb effect.
4. **MIX Knob (Delay):** Adjusts the wet/dry mix of the Delay effect.

5. **FB Knob (Delay):** Controls the feedback (number of repeats) of the Delay effect.
6. **TIME Knob (Delay):** Sets the delay time.
7. **MOD Knob (Modulation):** Controls the intensity or depth of the Modulation effect (Chorus/Phaser).
8. **TONE Knob (Amp):** Adjusts the tone (treble/bass balance) of the selected amplifier emulation.
9. **GAIN Knob (Amp):** Controls the amount of overdrive/distortion for the selected amplifier emulation.
10. **TYPE Knob (Amp):** Selects one of the 8 classic amplifier emulations.
11. **Footswitch A (IR CAB - REVERB):** Toggles the IR CAB and Reverb effects on/off. Hold for Bluetooth pairing.
12. **Footswitch B (DELAY - MOD):** Toggles the Delay and Modulation effects on/off.
13. **Footswitch C (TONE - AMP):** Toggles the Amp emulation on/off. Hold to activate the Tuner.



Figure 3: Footswitch B Detail
This close-up image focuses on Footswitch B and its surrounding labels, indicating its function for Delay and Modulation effects, as well as the 'LIVE/PRESET' and 'HOLD TUNER' indicators associated with Footswitch C.

4.2 Rear Panel Connections



Figure 4: Rear Panel Connections
This image shows the rear panel of the M-Vave Cube Baby, clearly displaying the IN and OUT jacks, the power switch, two USB ports, and the headphone output.

1. **IN Jack (6.35mm):** Connect your guitar or other instrument here.
2. **OUT Jack (6.35mm):** Connect to your amplifier, audio interface, or mixer.
3. **Power Switch:** Toggles the pedal on/off.
4. **USB-C Port (Charging/Data):** Used for charging the internal battery and connecting to a computer for IR loading and software updates.
5. **USB-A Port (OTG):** For connecting external devices (e.g., USB drive for audio playback, though primary playback is via Bluetooth).
6. **Headphone Jack (3.5mm):** Connect headphones for silent practice.

5. Setup

5.1 Powering the Device

- The Cube Baby has a built-in rechargeable battery. Ensure it is charged before first use.
- Connect the provided USB cable to the USB-C port on the rear panel and to a standard USB power adapter (not included) or a computer USB port.
- The charging indicator LED will illuminate during charging and turn off when fully charged. A full charge takes approximately 2 hours and provides 5-8 hours of use.
- To power on, slide the Power Switch on the rear panel to the 'ON' position.

5.2 Connecting Your Gear

1. Connect your guitar to the **IN** jack on the rear panel using a standard 6.35mm (1/4-inch) instrument cable.
2. Connect the **OUT** jack to your amplifier's input, an audio interface, or a mixing console using another 6.35mm (1/4-inch) instrument cable.
3. For silent practice, connect headphones to the **Headphone Jack** (3.5mm).

6. Operating Instructions

6.1 Basic Operation

- **Power On:** Slide the power switch to 'ON'. The indicator LEDs will light up.
- **Adjust Volume:** Use the **VOLUME** knob to set your desired output level.
- **Select Amp Type:** Turn the **TYPE** knob to cycle through the 8 amplifier emulations.
- **Adjust Amp Gain/Tone:** Use the **GAIN** and **TONE** knobs to shape the sound of the selected amplifier.

- **Activate/Deactivate Effects:**
  - Press Footswitch A to toggle IR CAB and Reverb.
  - Press Footswitch B to toggle Delay and Modulation (Chorus/Phaser).
  - Press Footswitch C to toggle the Amp emulation.
- **Adjust Effects:** Use the corresponding knobs (IR CAB, REVERB, MIX, FB, TIME, MOD) to fine-tune each effect.

6.2 Tuner Function

- To activate the tuner, **hold down Footswitch C** for approximately 2 seconds.
- The display LEDs will indicate the note being played and whether it is sharp, flat, or in tune.
- To exit the tuner mode, press Footswitch C again.

6.3 Bluetooth Functionality

- To activate Bluetooth pairing mode, **hold down Footswitch A** for approximately 2 seconds. The Bluetooth indicator LED will flash.
- On your external device (smartphone, tablet), search for Bluetooth devices and select "CUBE BABY".
- Once paired, the Bluetooth indicator LED will remain solid. You can now play audio from your device through the Cube Baby pedal.
- To disconnect, hold down Footswitch A again or disconnect from your device.

6.4 IR Loading and Software

- The M-Vave Cube Baby supports loading custom Impulse Responses (IRs) via a dedicated software application for Mac and Windows.
- Connect the pedal to your computer using the USB-C cable.
- Download the "Cube Baby" software from the official M-Vave website (refer to the product page or included documentation for the download link).
- Follow the software instructions to load, manage, and delete third-party IRs.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the pedal. Do not use liquid cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to about 50% every few months.
- **Avoid Moisture:** Keep the pedal away from water and excessive humidity to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	Battery discharged; Power switch off; Faulty USB cable.	Charge the battery; Ensure power switch is ON; Try a different USB cable.

Problem	Possible Cause	Solution
No sound output	Incorrect cable connections; Volume knob too low; Amp/effects bypassed.	Check IN/OUT connections; Increase VOLUME; Ensure desired effects/amp are active.
Poor sound quality / Noise	High gain settings; Interference; Faulty cables.	Reduce GAIN; Move away from interference sources; Try new cables.
Bluetooth not connecting	Not in pairing mode; Device too far; Already connected to another device.	Hold Footswitch A to enter pairing mode; Ensure device is close; Disconnect from other devices.

9. Specifications

- **Model:** Cube Baby (MVA-CB)
- **Brand:** M-VAVE
- **Dimensions:** 17.7 x 8.5 x 3.5 cm (6.97 x 3.35 x 1.38 inches)
- **Weight:** 350 g (0.77 lbs)
- **Battery:** 1 Lithium Ion (included)
- **Charging Time:** Approximately 2 hours
- **Battery Life:** 5-8 hours
- **Input Voltage:** 5 Volts
- **Current Draw:** 300 Milliamperes
- **Hardware Interface:** USB-C (data/charging), USB-A (OTG)
- **Audio Output Effects:** Reverb, Delay, Chorus, Phaser
- **Control Type:** Knobs, Footswitches
- **Signal Format:** Digital
- **Country of Origin:** China

10. Warranty and Support

The M-Vave Cube Baby pedal comes with a**2-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact your retailer or visit the official M-Vave website for contact information and resources. You may also find additional support and software downloads on the product's dedicated page.

Online Resources:

- Official M-Vave Website: www.m-vave.com (*Placeholder link, please refer to actual product documentation for correct URL*)
- Product Support Page: Support Link (*Placeholder link, please refer to actual product documentation for correct URL*)

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