

M-VAVE MVA-TANK-G

M-Vave Tank G Multi-Effects Pedal User Manual

Model: MVA-TANK-G | Brand: M-VAVE

1. INTRODUCTION

The M-VAVE Tank G is a compact and powerful multi-effects processor designed for guitarists. It combines a wide array of effects, amplifier simulations, and utility features into a portable unit, making it suitable for various applications including live performances, studio recording, and silent practice. With its intuitive controls and versatile connectivity, the Tank G provides a comprehensive solution for shaping your guitar tone.

2. KEY FEATURES

- Portable and simple multi-effects pedal for guitar.
- 36 built-in and editable presets for quick tone recall.
- Integrated rechargeable battery for extended portability.
- Suitable for live use, rehearsal rooms, and recording environments.
- Free companion application for advanced editing and preset management.
- Comprehensive effects suite: Noise Gate, 9 Preamps, 3-band EQ, 3 Delays, 3 Reverbs, 8 CAB IRs, Chorus, Flanger, Phaser.
- Built-in tuner for accurate tuning.
- Supports mobile phone recording, wireless connection, and headphone monitoring.
- Balanced XLR output for direct connection to PA systems or audio interfaces.
- Functions as a computer sound card via USB.

3. SETUP GUIDE

3.1. Unpacking and Initial Inspection

Carefully remove the M-Vave Tank G from its packaging. Inspect the unit for any signs of damage during transit.

Ensure all components listed in the packing list are present.

3.2. Powering the Unit

The Tank G can be powered via its built-in rechargeable battery or by connecting the included power adapter to a standard electrical outlet. For initial use, it is recommended to fully charge the battery.

3.3. Basic Connections

- **Guitar Input:** Connect your guitar to the 'IN' jack using a standard 1/4-inch instrument cable.
- **Output to Amplifier/PA:** Connect the 'OUT' jack to your guitar amplifier's input or a mixer/audio interface. Alternatively, use the 'XLR OUT' for a balanced connection to a PA system or recording console.
- **Headphones:** For silent practice, connect headphones to the dedicated headphone jack.
- **USB Connection:** Connect the USB-C port to a computer for use as an audio interface, for charging, or for accessing the companion software.

4. OPERATING INSTRUCTIONS

4.1. Turning On/Off

Press and hold the power button located on the rear panel to turn the unit on or off.

4.2. Navigating Presets

The Tank G features 36 presets organized into banks. Use the 'BANK -' and 'BANK +' footswitches to cycle through different banks. The central display shows the current preset number.

4.3. Adjusting Effects

Each effect block (AMP, MOD, DELAY, REVERB) has dedicated knobs for adjusting parameters such as Gain, Volume, Tone (Bass, Middle, Treble), Mod Speed, Delay Time, Reverb Decay, and Mix levels. Rotate the corresponding knobs to fine-tune your sound.

4.4. Using the Tuner

To activate the built-in tuner, press and hold the 'LIVE / PRESET' footswitch. The display will show tuning information. Strum a single string, and the display will indicate if the note is flat, sharp, or in tune. Press the footswitch again to exit tuner mode.

4.5. Companion Software/App

Download the free M-Vave companion software or mobile app from the official M-Vave website. This software allows for deeper editing of presets, importing custom IRs, customizing footswitch LED colors, and performing factory resets. Connect the Tank G to your computer or mobile device via USB or Bluetooth (if supported by the app) to access these features.

4.6. Recording

The Tank G can be used as an audio interface for recording to a computer or mobile phone. Connect the unit via USB to your recording device. Select the Tank G as your audio input device in your Digital Audio Workstation (DAW) or recording app.

5. CONTROLS AND CONNECTIONS OVERVIEW

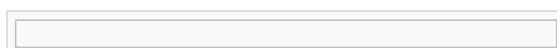


Figure 5.1: Angled view of the M-Vave Tank G Multi-Effects Pedal, showing the top panel controls and footswitches.

5.1. Top Panel Controls

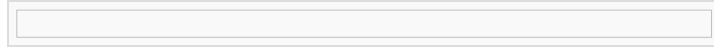


Figure 5.2: Top-down view of the M-Vave Tank G, highlighting the various control knobs and footswitches.

- **D/AMP Section:** Contains controls for the amplifier simulation.
 - *NOISE GATE:* Adjusts the noise gate threshold.
 - *TYPE:* Selects different amplifier models.
 - *GAIN:* Controls the input gain/drive of the amplifier.
 - *TREBLE, MIDDLE, BASS:* 3-band equalizer for tone shaping.
 - *VOLUME:* Adjusts the overall output volume of the amplifier section.
- **C/MOD Section:** Controls for modulation effects.
 - *MOD FX:* Selects different modulation effects (Chorus, Flanger, Phaser).
 - *MOD SPEED:* Adjusts the speed of the selected modulation effect.
- **B/DELAY Section:** Controls for delay effects.
 - *DLY MIX:* Adjusts the wet/dry mix of the delay effect.
 - *DLY TIME:* Sets the delay time.
- **A/REVERB Section:** Controls for reverb effects.
 - *RVB DECAY:* Adjusts the decay time of the reverb.
 - *RVB MIX:* Adjusts the wet/dry mix of the reverb effect.
 - *IR CAB:* Selects different Impulse Response cabinet simulations.
- **MASTER:** Overall output volume control.
- **Footswitches:**
 - *D/AMP:* Activates/deactivates the D/AMP section.
 - *C/MOD:* Activates/deactivates the C/MOD section.
 - *B/DELAY:* Activates/deactivates the B/DELAY section.
 - *A/REVERB:* Activates/deactivates the A/REVERB section.
 - *BANK - / BANK +:* Navigates through preset banks.
 - *LIVE / PRESET (Hold Tuner / BT):* Toggles between Live and Preset modes. Hold to activate tuner or Bluetooth pairing.
- **Display:** Shows the current preset number or tuner information.

5.2. Rear Panel Connections

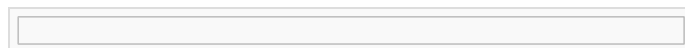


Figure 5.3: Rear panel of the M-Vave Tank G, showing input, output, headphone, USB, and power connections.

- **M-VAVE (Power Button):** Press and hold to power on/off.
- **IN:** 1/4-inch mono input for guitar.
- **Headphone Jack:** 1/8-inch stereo output for headphones.
- **OUT:** 1/4-inch mono output to amplifier or audio interface.
- **USB:** USB-C port for charging, firmware updates, and USB audio interface functionality.

- **XLR OUT:** Balanced XLR output for direct connection to a PA system or mixing console.

6. MAINTENANCE

To ensure the longevity and optimal performance of your M-Vave Tank G, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. Avoid using abrasive cleaners, solvents, or waxes, as they may damage the finish or internal components.
- **Storage:** When not in use, store the pedal in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Care:** For units with a built-in rechargeable battery, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to approximately 50% every few months to maintain battery health.
- **Connections:** Periodically check all cable connections for wear and tear. Ensure jacks are free of dust and debris.

7. TROUBLESHOOTING

If you encounter issues with your M-Vave Tank G, refer to the following common troubleshooting steps:

- **No Power:** Ensure the unit is charged or connected to a working power adapter. Check the power button is pressed and held until the unit powers on.
- **No Sound Output:**
 - Verify all cables are securely connected to the correct input/output jacks.
 - Check the volume levels on the Tank G (Master, AMP Volume) and your amplifier/headphones.
 - Ensure no effects are bypassed or set to a zero mix level.
 - Test with different cables and a different amplifier/headphones to isolate the issue.
- **Distorted Sound:**
 - Reduce the GAIN knob on the AMP section.
 - Check input levels from your guitar to ensure they are not too hot.
 - Ensure the output level is not overloading your amplifier's input.
- **Footswitches Unresponsive:** Try restarting the unit. If the issue persists, consider performing a factory reset via the companion software (refer to the software manual for instructions).
- **Connectivity Issues (USB/Bluetooth):** Ensure the latest drivers (if applicable for USB) are installed and the companion app is up to date. Check Bluetooth settings on your device for proper pairing.

For persistent issues not resolved by these steps, please contact M-Vave customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	MVA-TANK-G
Dimensions (L x W x H)	34.9 x 9.6 x 6.7 cm (13.74 x 3.78 x 2.64 inches)
Item Weight	830 grams (1.83 lbs)

Hardware Interface	1/4 inch Audio, USB-C
Power Source	Built-in Rechargeable Battery, Power Adapter
Audio Output Effects	Multi-effect (Noise Gate, Preamps, EQ, Delay, Reverb, CAB IR, Chorus, Flanger, Phaser)
Controls Type	Knobs, Push-button Footswitches
Presets	36 (editable)
Country of Origin	China

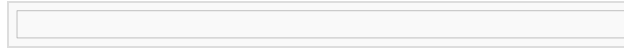


Figure 8.1: Bottom view of the M-Vave Tank G, displaying the product label with model and serial information.

9. WARRANTY AND SUPPORT

The M-Vave Tank G comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official M-Vave website for detailed warranty terms and conditions.

For technical support, product inquiries, or service requests, please contact M-Vave customer support through their official website or the contact information provided in your product packaging. Ensure you have your product model number (MVA-TANK-G) and purchase details ready when contacting support.