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M-VAVE FBA_M008_Tank_G

M-VAVE TANK-G Multi-effects Guitar Pedal User Manual

Model: FBA_M008_Tank_G | Brand: M-VAVE

1. INTRODUCTION

The M-VAVE TANK-G is a portable and multifunctional guitar effector designed to provide guitarists with a comprehensive suite of effects in a compact and durable unit. Featuring a built-in rechargeable battery for extended use, a wide array of editable presets, and versatile connectivity options, the TANK-G is an ideal companion for practice, recording, and live performances. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your device.

2. PRODUCT OVERVIEW

Key Features:

- **Portable and Multifunctional:** Compact design with a built-in 3000mA rechargeable battery for up to 12 hours of work time.
- **Extensive Presets:** 36 editable presets allowing users to customize and save effector chains.
- **Comprehensive Effects:** Equipped with Noise Gate, 9 Preamp selection slots, 3-band EQ, 3 Modulations, 3 Delay, 3 Reverb, and 8 IR CAB slots.
- **Integrated Tuner:** High-precision tuner for accurate instrument tuning.
- **Software & App Support:** Edit, exchange, share, import/export presets, and import IR files via computer software or mobile app.

- **Versatile Connectivity:** Supports mobile phone recording, wireless connection (Bluetooth), earphone monitoring, XLR balanced output, and functions as a computer sound card.

Product Components:



Figure 2.1: Front view of the TANK-G pedal, showing footswitches and control knobs.

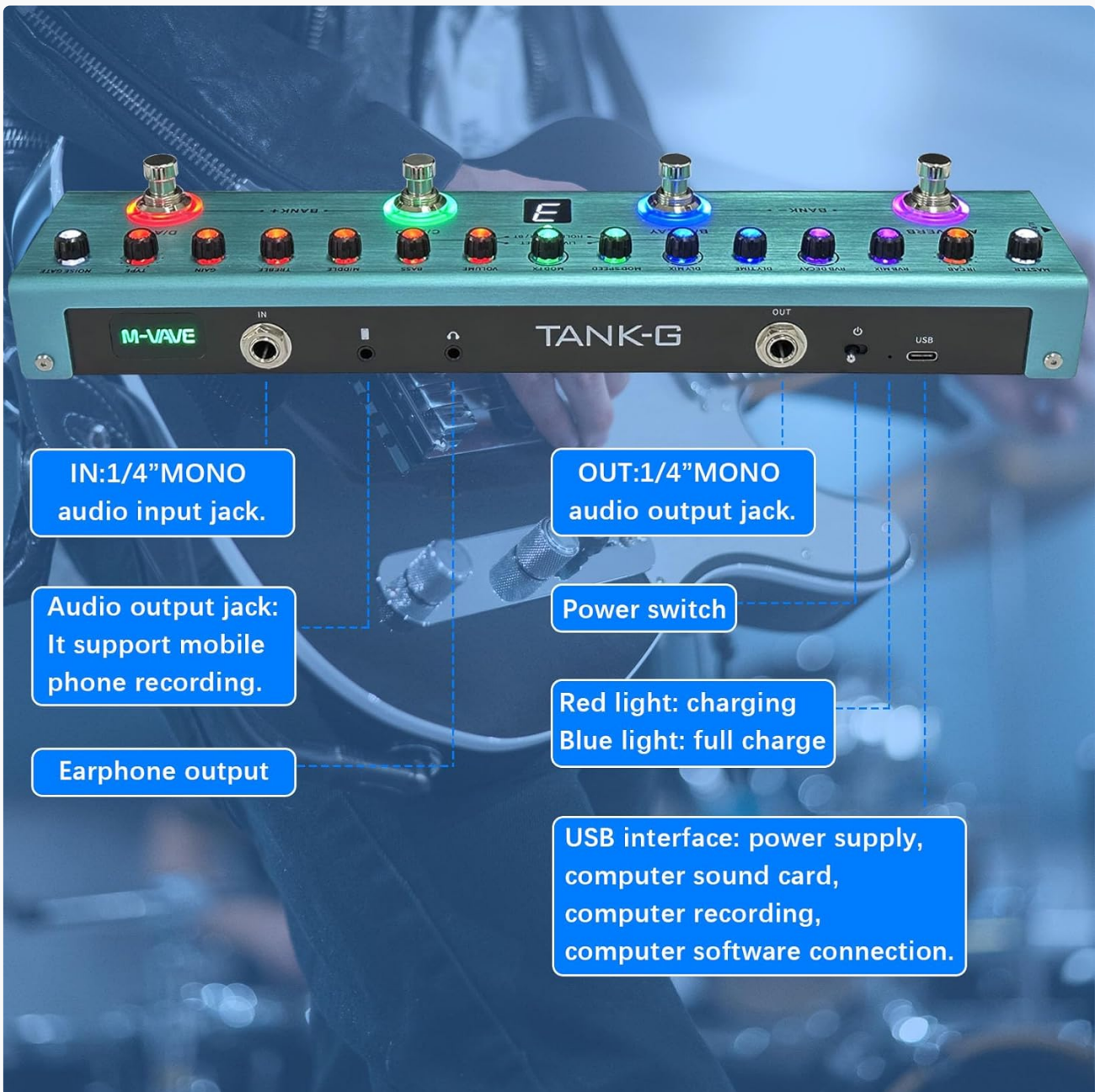



Figure 2.2: Diagram illustrating the various input and output connections on the TANK-G pedal, including IN, OUT, Earphone, and USB ports.

XLR Balanced Output Jack

Use balanced XLR cable to connect to your studio gear, mixer, PA, or FRFR speakers.

Built-in battery
for 12 hours of use

Power supply

1. Built-in battery power.
2. Charge for 4 hours, can be used for 12 hours.
3. You can use a mobile phone charger or power bank to supply power.
4. Support synchronous charging and power consumption.
5. Low battery display display  pattern.
6. The full charge indicator shows blue.

XLR cables are
not included

Figure 2.3: Close-up view of the XLR balanced output jack, highlighting its use for professional audio connections.



Figure 2.4: Contents of the TANK-G package, including the pedal, instruction manual, USB cable, and 3.5 to OTG conversion line.

3. SETUP GUIDE

3.1 Powering On

The TANK-G pedal features a built-in rechargeable battery. To power on the device, locate the power switch on the rear panel and slide it to the ON position. The initial boot will enter PRESET mode by default. A red light indicates charging, while a blue light signifies a full charge. The battery provides up to 12 hours of continuous use.

For charging or continuous power, connect the included USB-C cable to the pedal's USB port and to a mobile phone charger, power bank, or computer. The USB port also allows the TANK-G to function as a computer sound card.

3.2 Connecting Your Instrument and Audio Output

- **Guitar Input:** Connect your guitar to the 1/4" MONO audio input jack (labeled "IN") on the rear panel.
- **Audio Output:** Connect the 1/4" MONO audio output jack (labeled "OUT") to your amplifier or audio interface.
- **Earphone Output:** For private monitoring, connect headphones to the earphone output jack.
- **XLR Balanced Output:** For professional setups, use a balanced XLR cable to connect the XLR output to studio gear, mixers, PA systems, or FRFR speakers.
- **Mobile Phone Recording:** The audio output jack supports mobile phone recording. Use the provided 3.5 to OTG conversion line to connect to your mobile device for high-quality recording.

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Video: TANK-G unpacking and initial setup overview. This video demonstrates the physical components and basic connections of the pedal.

4. OPERATING INSTRUCTIONS

4.1 Understanding Modes

The TANK-G pedal operates in different modes, each offering unique functionalities for managing your guitar effects.

- **PRESET Mode:** This is the default mode upon startup. There are 9 preset groups, with each group containing 4 presets (A/B/C/D), totaling 36 presets. In PRESET mode, the tone parameter knobs are not directly editable on the unit but can be adjusted via the computer software or mobile app.
- **LIVE Mode:** Suitable for fine-tuning and editing preset sounds directly on the pedal. In this mode, the knob indicators will flash, indicating that you can edit the sound parameters. If you adjust a parameter, its indicator will remain steadily lit, showing that the previous tone parameter has been overwritten.

- **TUNER Mode:** Allows for accurate instrument tuning.
- **BT Mode:** Enables wireless Bluetooth connection for mobile app control and music playback.

4.2 Navigating Presets and Modes

- **Switching Groups (Banks):**
 - To turn down the bank, short press footswitches A and B (BANK-).
 - To turn up the bank, short press footswitches C and D (BANK+).
- **Entering Presets:** Short press footswitch A, B, C, or D to enter any specific preset within the current group.
- **Overwriting Presets:** To save the current preset (e.g., 4D) and overwrite it to any of the 36 presets (e.g., 3A), first select your target group (e.g., group 3). Then, long press the desired footswitch (e.g., A) to overwrite the save. A rapidly flashing footswitch indicator confirms successful saving.
- **Switching between LIVE and PRESET Modes:** Short press the combination of B+C footswitches.
- **Entering TUNER Mode:** Hold the B+C footswitches for 2 seconds. The display will show the note name. Red lights on the left indicate a lower pitch, red lights on the right indicate a higher pitch, and a middle green light indicates the pitch is close to the note name.
- **Activating BT Mode:** Hold the B+C footswitches for 3 seconds to turn the BT function on or off. When on, the indicator light will flash.

4.3 Software and App Control

The TANK-G pedal can be controlled and customized extensively using its dedicated computer software and mobile application. You can download these from the official M-VAVE website.

- **Wireless BT Connection:**
 1. Turn on your phone's Bluetooth.
 2. Open the M-EFCS app (or TANK-G app).
 3. If the indicator light is flashing, BT is not connected. Click "search nearby devices" and select "TANK-G". Allow pairing when prompted.
 4. A steady indicator light confirms successful connection. If you encounter an interface issue, exit and re-enter the app.

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Video: Detailed introduction to TANK-G functions and software usage, including mobile app connectivity.

- **Wired Connection to Computer:**
 1. Connect the included TYPE-C cable to the pedal's USB interface.
 2. Connect the other end (USB-A) to your computer.
 3. Open the TANK-G software on your computer. The software will automatically detect and connect to the device.
- **Software Operation:**
 - **Preset Management:** Select presets, save edits, swap presets, import/export presets, and

restore factory presets.

- **Parameter Adjustment:** Adjust individual effect parameters (Reverb, Delay, Mod, Amp, Gate) using the virtual knobs in the app/software. The corresponding physical knobs on the pedal will also respond.
- **IR/AMP File Import:** Import custom Impulse Response (IR) files for cabinet simulations and AMP files to expand your tonal options.
- **Community Feature (Mobile App):** Download IR/AMP files uploaded by other users and share your own creations.

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Video: Demonstration of the M-VAVE TANK-G's pure digital multi-effects capabilities and sound examples.

5. MAINTENANCE

To ensure the longevity and optimal performance of your M-VAVE TANK-G pedal, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the pedal. Avoid using abrasive cleaners, solvents, or waxes, as they 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. When not in use for extended periods, ensure the battery is charged to about 50% to prolong its lifespan.
- **Handling:** Handle the pedal with care. Avoid dropping it or subjecting it to strong impacts, which can damage internal circuitry or external components.
- **Battery Care:** While the battery is designed for long life, avoid completely draining it frequently. Recharge it regularly, especially if storing the device.

6. TROUBLESHOOTING

If you encounter issues with your M-VAVE TANK-G pedal, refer to the following common troubleshooting steps:

- **No Sound Output:**
 - Ensure all cables (input, output, power) are securely connected.
 - Check the volume knob on the pedal and your amplifier/headphones.
 - Verify that the pedal is powered on and has sufficient battery charge.
 - If in PRESET mode, ensure the MASTER knob is not set to minimum volume.
 - Try switching to a different preset or LIVE mode to see if the issue persists.
- **Pedal Not Responding:**

- Restart the pedal by turning it off and on again.
- Ensure the battery is charged.
- If using the app/software, ensure the Bluetooth or USB connection is stable. Try reconnecting.

- **App/Software Connection Issues:**

- For Bluetooth, ensure Bluetooth is enabled on your mobile device and the app has necessary permissions. Try restarting the app.
- For wired connection, ensure the USB cable is properly connected and the software is running. Try a different USB port or cable.
- Update the app/software to the latest version from the official website.

- **Unwanted Noise/Hum:**

- Adjust the NOISE GATE knob to reduce unwanted noise.
- Ensure all cables are high quality and properly shielded.
- Check for ground loops in your setup.

If the issue persists after trying these steps, please contact M-VAVE customer support for further assistance.

7. SPECIFICATIONS

Attribute	Value
Item Weight	1.35 pounds (613 Grams)
Product Dimensions	14 x 9.5 x 6.5 inches
Country of Origin	China
Item Model Number	FBA_M008_Tank_G
Batteries	1 Lithium Metal batteries required (included)
Color	Darkgreen
Hardware Interface	USB
Signal Format	Digital
Material Type	Aluminum
Battery Type	Lithium Polymer
Power Source	Battery Powered
Voltage	5 Volts

8. WARRANTY AND SUPPORT

M-VAVE is committed to providing high-quality musical instruments and accessories. For any warranty claims, technical support, or product inquiries, please refer to the contact information provided with your purchase or visit the official M-VAVE website.

Please retain your proof of purchase for warranty purposes.