M-VAVE blackbox

M-VAVE ANN Blackbox Guitar Pedal User Manual

Comprehensive instruction manual for the M-VAVE ANN Blackbox Guitar Pedal, featuring 80 editable presets, 6 effect modules, AMP/CAB simulations, Bluetooth audio, and app control.

1. Introduction

The M-VAVE ANN Blackbox is a versatile multi-effects processor designed for guitar and bass players. It integrates 80 editable presets, 6 distinct effect modules, and advanced amplifier and cabinet simulations. Its compact size, built-in rechargeable battery, and app control capabilities make it suitable for various musical scenarios, from practice to live performance and recording.



Figure 1: M-VAVE ANN Blackbox Guitar Pedal with included USB-C cable.



Figure 2: The M-VAVE ANN Blackbox is suitable for diverse applications such as studio sessions, outdoor events, band performances,

recording sessions, and live broadcasting.

2. Package Contents

The M-VAVE ANN Blackbox package includes:

- M-VAVE ANN Blackbox Guitar Pedal
- USB-C Charging Cable

3. Product Overview

The pedal features a high-resolution color screen and an intuitive user interface for easy navigation and control.

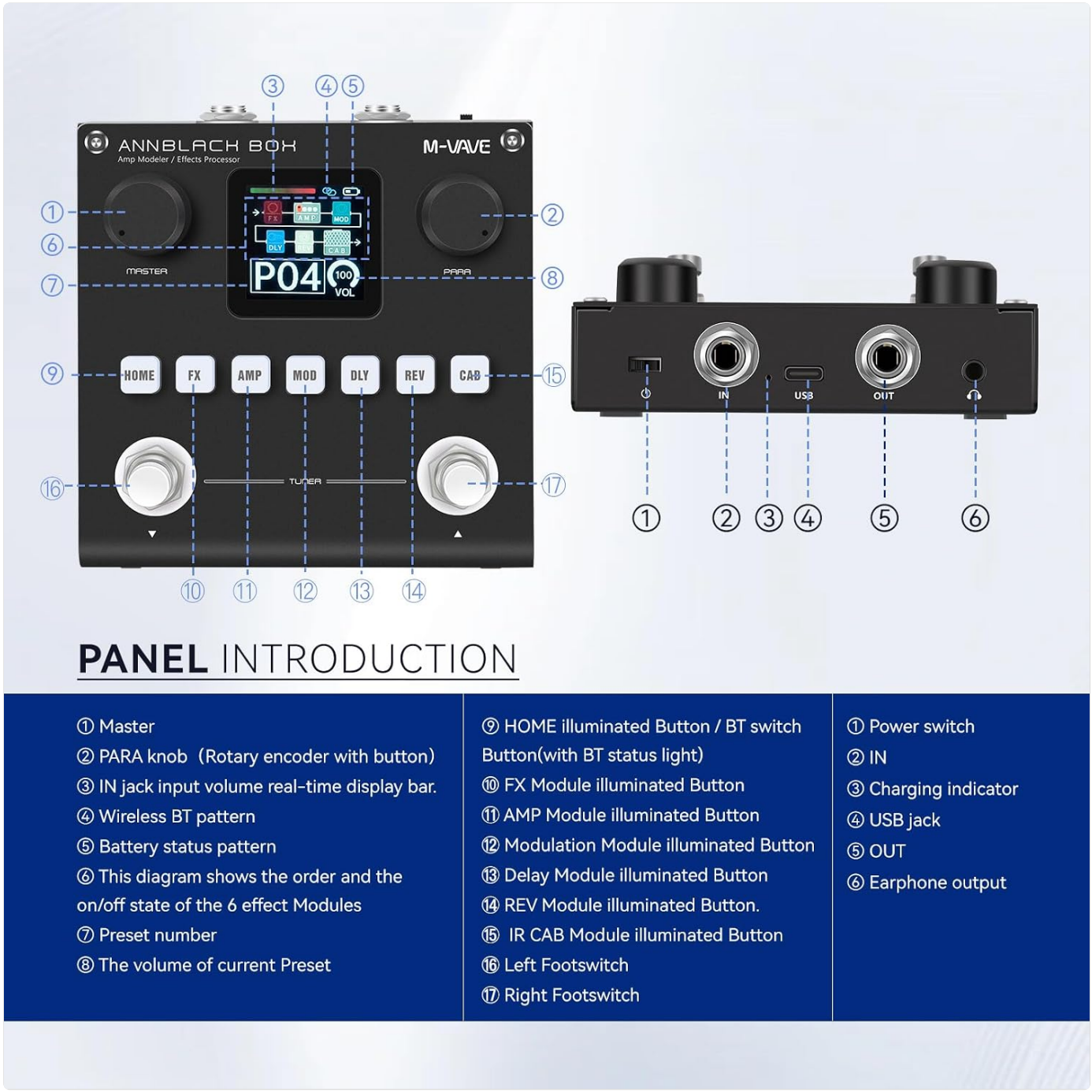


Figure 3: Front and rear panel overview of the M-VAVE ANN Blackbox Guitar Pedal.

3.1. Panel Introduction

The front panel includes:

- **Master Knob:** Controls overall output.
- **PARA Knob (Rotary encoder with button):** For parameter adjustment and selection.
- **IN Jack Input Volume Real-time Display Bar:** Visualizes input signal level.
- **Wireless BT Pattern:** Indicates Bluetooth status.
- **Battery Status Pattern:** Shows current battery level.
- **Effect Module Order/On/Off State:** Diagram displaying the active effects and their chain order.
- **Preset Number:** Displays the currently selected preset.
- **Volume of Current Preset:** Shows the volume level for the active preset.
- **HOME Illuminated Button / BT Switch Button:** Navigates to the home screen and controls Bluetooth.
- **FX Module Illuminated Button:** Activates/deactivates FX module.
- **AMP Module Illuminated Button:** Activates/deactivates AMP module.
- **Modulation Module Illuminated Button:** Activates/deactivates Modulation module.
- **Delay Module Illuminated Button:** Activates/deactivates Delay module.
- **REV Module Illuminated Button:** Activates/deactivates Reverb module.
- **IR CAB Module Illuminated Button:** Activates/deactivates IR CAB module.
- **Left Footswitch:** Multi-functional footswitch.
- **Right Footswitch:** Multi-functional footswitch.

The rear panel includes:

- **Power Switch:** Turns the device on/off.
- **IN Jack:** Guitar input.
- **Charging Indicator:** Shows charging status.
- **USB Jack:** For charging and data transfer.
- **OUT Jack:** Audio output.
- **Earphone Output:** For private monitoring.



Figure 4: High-resolution color screen and intuitive user interface.

4. Setup

4.1. Powering the Device

The M-VAVE ANN Blackbox is equipped with a built-in rechargeable battery. To power on, press and hold the power switch on the rear panel. The device can be charged via the USB-C port using the provided cable.

4.2. Connecting Your Instrument

1. Connect your guitar or bass to the**IN Jack** on the rear panel.
2. Connect the **OUT Jack** to your amplifier or audio interface.
3. For private practice, connect headphones to the**Earphone Output**.

5. Operating Modes

5.1. Preset Navigation

The pedal comes with 80 built-in presets. Use the footswitches to navigate through presets. The current preset number and volume are displayed on the screen.

5.2. Editing Effects

Each of the 6 effect modules (FX, AMP, MOD, DLY, REV, CAB) has a dedicated illuminated button. Pressing an effect module button allows you to enter its editing menu. Use the PARA knob to scroll through different effects within a module and adjust their parameters (e.g., speed, depth, mix for modulation effects). Press the PARA knob to confirm selections.

Video 1: Demonstration of the M-VAVE ANN Blackbox pedal's app and IR AMP features, showcasing how to navigate and edit effects.

6. Effect Modules

The M-VAVE ANN Blackbox features 6 independent and freely movable effect modules, allowing for flexible signal chain customization. The order of effects can be changed, and up to 6+1 effects can be used simultaneously.



Figure 5: The 6 independent and freely movable effect modules.

6.1. Available Effects

- **FX Module:** Noise Gate, NG+Boost, NG+Compress.
- **AMP Module:** 15 guitar amp simulations + 5 bass AMP simulations. Features ANN (Audio Neural Network)

modeling technology and supports third-party ANN loads.

- **MOD Module:** Chorus, Phaser, Tremolo, Flanger, Vibrato, Univibe, Autofilter.
- **DLY Module:** Analog, Duck, dTape, Dual, LoFi.
- **REV Module:** Room, Hall, Swell, Spring, Shimmer, Cloud.
- **CAB Module:** 15 guitar cabinet simulations + 5 bass cabinet simulations. Supports third-party IR loads.



Figure 6: Overview of the 60+ total effects varieties.



Figure 7: Offers a variety of classic amp simulations.

7. App and PC Control

The M-VAVE ANN Blackbox supports wireless connection via a mobile app and PC control software for advanced parameter editing and management.

7.1. Mobile App Control

Scan the QR code provided in the manual or on the product packaging to download the mobile app. The app allows for wireless control over effect parameters, module arrangement, preset saving, and more.



Figure 8: Wireless connection via mobile app for parameter editing.

7.2. PC Control Software (M-EFCS)

The M-EFCS PC control software offers comprehensive features for managing your pedal:

- Adjusting effect parameters.
- Moving effect modules.
- Restoring factory presets (option to restore only the first 40).
- Saving, swapping, importing, and exporting presets.
- Loading third-party IRs.
- Importing tones of amp modules.

Download the M-EFCS software from the official website:www.sincoaudio.com/PD_DOWNLOAD



Figure 9: M-EFCS PC Control Software Interface.



Figure 10: M-EFCS Android Control Software Interface.

8. Specifications

- **Item Weight:** 1.15 pounds (0.52 Kilograms)
- **Product Dimensions:** 4.45 x 4.29 x 1.61 inches
- **Hardware Interface:** USB
- **Voltage:** 3.7 Volts
- **Amperage:** 0.4 Amps

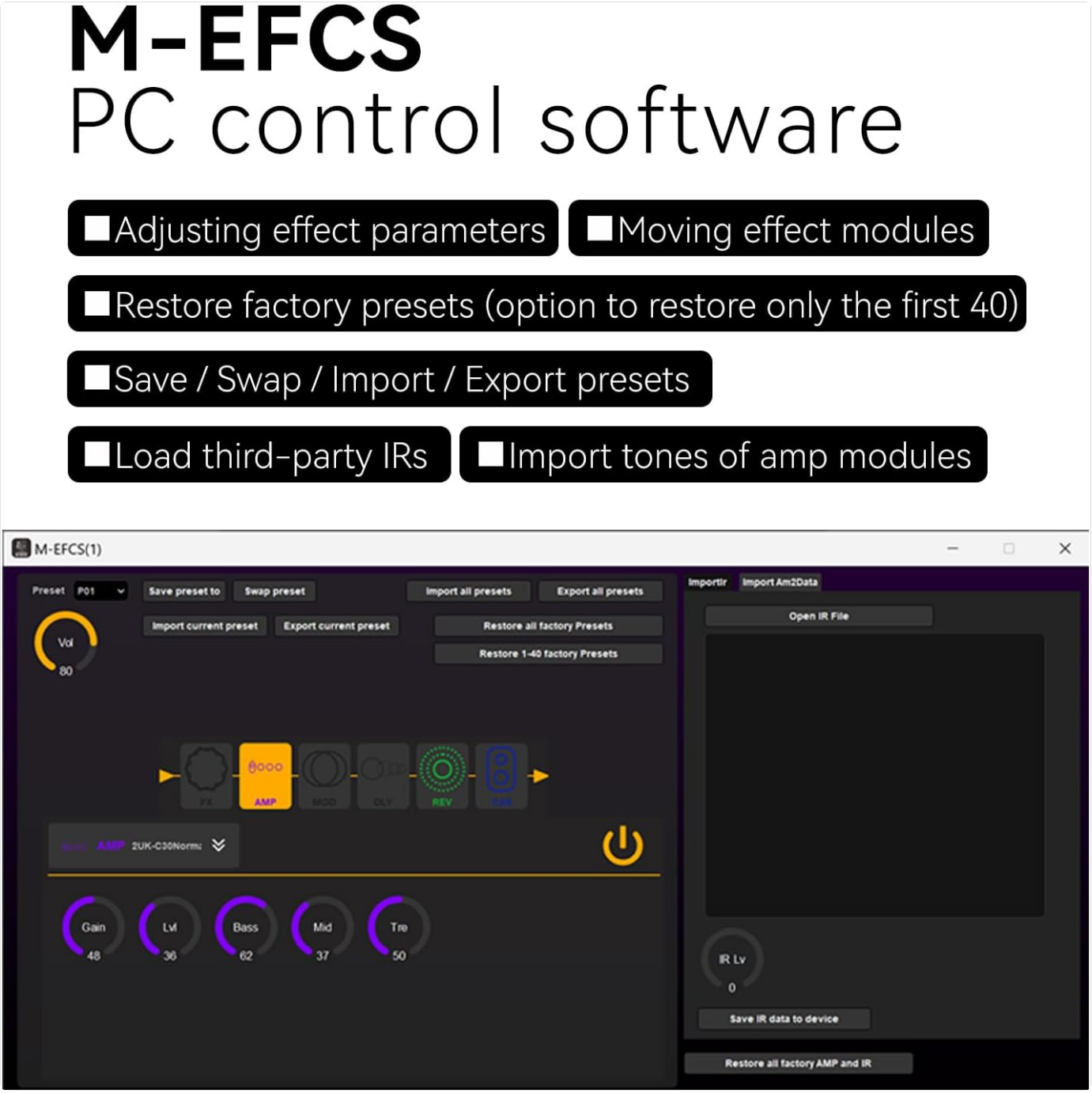


Figure 11: Product dimensions and weight.

9. Troubleshooting

If you encounter any issues with your M-VAVE ANN Blackbox, please consider the following common troubleshooting steps:

- **No Sound:** Check all cable connections (guitar, output, power). Ensure the pedal is powered on and the volume levels are appropriately set. Verify that the active effects are enabled and configured correctly.
- **Power Issues:** Ensure the battery is charged. Connect the USB-C cable to a power source and check the charging indicator.
- **Effect Malfunction:** Try resetting the pedal to factory presets (refer to the M-EFCS software section). Ensure the correct effect module is selected and its parameters are adjusted as desired.
- **Connectivity Problems:** For app control, ensure Bluetooth is enabled on your mobile device and the pedal. For PC control, ensure the USB cable is securely connected.

10. Maintenance

To ensure the longevity and optimal performance of your M-VAVE ANN Blackbox:

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the pedal to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself, as this may void the warranty.

11. Warranty and Customer Support

The M-VAVE ANN Blackbox comes with a one-year warranty. If you encounter any problems with the product, please contact the seller directly for assistance. Note: Amazon return windows typically close after one month. For support beyond this period, please click on the seller store in the right corner and select "ask a question".

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question