**M-VAVE MVA-LT**

# M-VAVE Lost Tempo Drum & Looper Effect Pedal User Manual

Model: MVA-LT

## 1. Introduction

The M-VAVE Lost Tempo is a versatile guitar effect pedal combining a powerful drum machine, a multi-track looper, and a high-precision tuner. Designed for musicians seeking to enhance their practice and performance, it offers extensive customization options via a dedicated mobile application and intuitive hardware controls.

## 2. Product Features

- Integrated drum machine with 30 preset drum types.
- Support for customizing, editing, and saving drum patterns via a real-time application.
- Common rhythm types included: 4/4, 3/4, 6/8, and customizable options.
- Single drum mode for flexible drumming using footswitches.
- Looper section with 4 storable loops, total recording time up to 11 minutes.
- Each loop supports up to 5 minutes of recording and unlimited overdubbing.
- Unlimited undo and redo functionality for the last overdub audio.
- Export/import of standard WAV format audio files via USB.
- One footswitch control for all looper functions: record, play, stop, overdub, undo, redo, delete.
- Equipped with a high-precision tuner displaying note names and sharp/flat indicators.
- Compact and durable design.

## 3. Package Contents




The M-VAVE Lost Tempo package typically includes the following items:

- M-VAVE Lost Tempo Drum & Looper Effect Pedal
- USB-C Cable
- User Manual

## 4. Controls and Connections

### 4.1 Front Panel Overview




The front panel of the Lost Tempo pedal features all primary controls for operation.

- **LOOPER VOL Knob:** Adjusts the playback volume of the looper.
- **DRUM VOL Knob:** Adjusts the playback volume of the drum machine.
- **Display Screen:** Shows current drum pattern number, tuner notes, or other operational indicators.
- **Looper Footswitch:** Controls looper functions (record, play, stop, overdub, undo, redo, delete).
- **Drum Footswitch:** Controls drum functions (start/stop, tap tempo, drum pattern selection).
- **Left/Right Navigation Buttons:** Used for selecting drum patterns, navigating menus, or adjusting parameters.
- **LED Indicators (1, 2, 3, 4):** Indicate active loop slots or other status.
- **Function Labels:** "TAP FOR SYNC", "HOLD 1S FOR DRUM", "HOLD 3S FOR TUNER" indicate secondary functions of the footswitches.

### 4.2 Rear Panel Connections




The rear panel provides all necessary audio and power connections.

- **IN (Input):** 1/4" mono jack for connecting your instrument (e.g., guitar).

- **OUT (Output):** 1/4" mono jack for connecting to an amplifier, mixer, or other effects pedals.
- **USB-C Port:** For connecting to a computer or mobile device for app control, firmware updates, and audio file transfer. Can also be used for 5V power.
- **Headphone Jack:** For silent practice with headphones.
- **DC 9V Power Input:** For connecting a standard 9V DC power adapter (center negative, ≥300mA).

## 5. Setup

1. **Power Connection:** Connect a DC 9V power adapter (center negative, ≥300mA) to the DC 9V input, or connect the supplied USB-C cable to a 5V USB power source (≥300mA). The pedal will power on automatically.
2. **Audio Connections:**
    - Connect your instrument (e.g., guitar) to the **IN** jack using a standard 1/4" instrument cable.
    - Connect the **OUT** jack to your amplifier, audio interface, or the input of another effects pedal.
    - For silent practice, connect headphones to the **Headphone Jack**.
3. **App Connection (Optional):** For advanced drum editing and customization, connect the USB-C port to your computer or mobile device and launch the M-VAVE application.

## 6. Operating Instructions

### 6.1 General Operation

- The pedal powers on automatically when connected to a power source.
- Adjust the **LOOPER VOL** and **DRUM VOL** knobs to set the desired output levels for each section.

### 6.2 Drum Section

- **Selecting Drum Patterns:** Use the Left/Right navigation buttons to cycle through the 30 built-in drum patterns. The display will show the current pattern number.
- **Starting/Stopping Drums:** Tap the **Drum Footswitch** to start or stop the selected drum pattern.
- **Tap Tempo:** While the drum pattern is playing, tap the **Drum Footswitch** multiple times to set the tempo.
- **Single Drum Mode:** Hold the **Drum Footswitch** for 1 second to enter Single Drum Mode. In this mode, the Looper Footswitch acts as a TAP button, and the Drum Footswitch triggers a single drum sound, allowing for manual drumming.
- **App Customization:** Connect the pedal to the M-VAVE app via USB-C to customize, edit, and save your own drum patterns in real-time. This includes adjusting rhythm types (4/4, 3/4, 6/8, etc.).

### 6.3 Looper Section

- **Recording:** Tap the **Looper Footswitch** once to start recording. The LED for the current loop slot will illuminate.
- **Playing:** Tap the **Looper Footswitch** again to stop recording and start playback of the recorded loop.
- **Overdubbing:** While a loop is playing, tap the **Looper Footswitch** to enter overdub mode. Any new audio played will be added to the existing loop. Tap again to stop overdubbing.
- **Stopping Playback:** Double-tap the **Looper Footswitch** to stop playback.
- **Undo/Redo:** Hold the **Looper Footswitch** for 1 second to undo the last overdub. Hold again to redo. This function supports unlimited undo/redo.
- **Deleting a Loop:** While the loop is stopped, hold the **Looper Footswitch** for 3 seconds to delete the current loop.
- **Loop Storage:** The pedal can store up to 4 individual loops, with a total recording time of up to 11 minutes. Each single loop can hold up to 5 minutes of recording.
- **Audio File Transfer:** Connect the pedal to a computer via USB-C to export recorded loops as standard WAV files or import WAV files into the pedal.

### 6.4 Tuner Function

- **Activating Tuner:** Hold the **Drum Footswitch** for 3 seconds to activate the high-precision tuner. The display will show the detected note.
- **Tuning Indication:** The display will show the note name (e.g., E, A, D, G, B, E) and indicators for sharp (#) or flat (b) notes. Adjust your instrument until the display shows the correct note without sharp/flat indicators.
- **Exiting Tuner:** Tap either footswitch to exit tuner mode and return to normal operation.

## 7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the pedal's surface. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the pedal in a dry environment, away from extreme temperatures, direct sunlight, and high humidity.
- **Handling:** Avoid dropping the pedal or subjecting it to strong impacts.
- **Power Off:** Disconnect the power supply when the pedal is not in use for extended periods.

## 8. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| No power/Pedal not turning on. | Incorrect power adapter; loose power connection; insufficient current. | Ensure a 9V DC (center negative, ≥300mA) adapter is used, or a 5V USB power source (≥300mA). Check all connections are secure. |
| No sound output. | Incorrect cable connections; volume knobs set to zero; instrument/amp issues. | Verify instrument is connected to IN, and amplifier to OUT. Check LOOPER VOL and DRUM VOL knobs. Test instrument and amplifier independently. |
| Looper not recording/playing. | Incorrect footswitch operation; loop memory full. | Refer to Section 6.3 for correct looper operation. Delete old loops if memory is full. |
| Drum patterns not changing. | Incorrect button usage. | Ensure you are using the Left/Right navigation buttons to change patterns. |
| App not connecting to pedal. | USB cable issue; driver issue; app not running. | Ensure USB-C cable is securely connected. Try a different USB port or cable. Restart the app and pedal. Check for necessary drivers if on PC. |

## 9. Specifications

| Parameter | Value |
|---|---|
| Model Number | MVA-LT |
| Power Supply | DC 9V (center negative, ≥300mA) or USB 5V (≥300mA) |
| Hardware Interface | USB |
| Signal Format | Analog |
| Item Weight | 230 g (0.23 Kilograms) |
| Package Dimensions | 11.1 x 8.8 x 3.5 cm |
| Looper Recording Time | Total 11 minutes (4 loops, max 5 minutes per loop) |

| Parameter | Value |
| --- | --- |
| Drum Patterns | 30 types, customizable via App |
| Audio Output Effects | Loop |

## 10. Warranty and Support

Please note that any removal of screws or the serial number label on the device will void the product warranty. For technical support or warranty claims, please refer to the contact information provided by your retailer or the official M-VAVE website. Specific warranty periods may vary by region.

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