HOTONE MP-100

Hotone Ampero MP-100 User Manual

Guitar Bass Amp Modeling IR Cabinets Simulation Multi-Effects Processor

Brand: HOTONE | Model: MP-100

1. INTRODUCTION

The Hotone Ampero MP-100 is a versatile multi-effects processor designed for guitar, bass, and acoustic instruments. It integrates advanced amp modeling, IR cabinet simulation, and a wide array of effects into a compact and user-friendly unit. This manual provides essential information for setting up, operating, and maintaining your Ampero MP-100.

Figure 1: Hotone Ampero MP-100 Multi-Effects Processor

2. KEY FEATURES

- **Extensive Effects Library:** Over 240 built-in guitar, bass, and acoustic effects, including 64 legendary amp models and 60 carefully selected IR cabinet simulations. Features 24-bit signal processing and up to 120dB S/N ratio, powered by 18V DC for dynamic response.

- **Integrated Tools:** Includes 100 built-in drum rhythms and a 100-second looper for practice and performance.

- **Flexible Signal Chain:** Adjustable signal chain with a maximum of 9 simultaneous effect blocks.

- **Intuitive Touch Screen Interface:** A 4-inch 800 x 480 sharp color touch screen provides instant control and dynamic color display.

- **Assignable Footswitches:** Four assignable footswitches with Halo LEDs for easy navigation and control during live use.

- **Comprehensive I/O:** Features Line, XLR, and Headphone I/O for various connection needs, plus MIDI IN and EXP2 jack for connecting external controllers.

- **USB Audio Interface:** Functions as a USB audio interface with stereo audio streaming, supporting OTG function for direct connection to iOS/Android mobile devices.

- **Multi-Language Support:** Multi-language user interface (hardware) with free Mac/Windows software for sound editing and preset management.

Figure 2: Compact and robust design of the Ampero MP-100.

Figure 3: The intuitive touch screen interface for effects management.

3. SETUP

3.1 Package Contents

Before you begin, ensure all items are present in the package:

- Hotone Ampero MP-100 Multi-Effects Processor
- Power Adapter (18V DC)
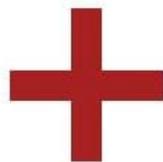- USB Cable
- User Manual (this document)

Figure 4: Ampero MP-100 and its power supply.

3.2 Connecting Your Ampero MP-100

1. **Power Connection:** Connect the included 18V DC power adapter to the "DC 18V" input jack on the rear panel of the Ampero MP-100. Plug the adapter into a suitable power outlet.

2. **Instrument Input:** Connect your guitar, bass, or acoustic instrument to the "INPUT" jack using a standard 1/4-inch instrument cable.

3. **Audio Output:**

   a. For direct connection to a mixer or audio interface, use the "BALANCED OUTPUT" XLR jacks.

   b. For connection to an amplifier or other unbalanced equipment, use the "UNBALANCED OUTPUT" 1/4-inch jacks.

   c. For silent practice, connect headphones to the "PHONES" jack.

4. **USB Connection:** For computer connectivity (firmware updates, software editing, USB audio interface), connect the Ampero MP-100 to your computer via the "USB" port using the provided USB cable.

5. **MIDI Connection:** If using external MIDI controllers, connect them to the "MIDI IN" port.

6. **External Expression Pedal/Footswitch:** Connect an optional external expression pedal or footswitch to the "EXP 2/FS" jack for expanded control.

The Ampero MP-100 features a comprehensive set of input/output options to accommodate various setups, including balanced XLR outputs, unbalanced 1/4-inch outputs, a dedicated headphone output, and MIDI I/O. The input mode selector allows optimization for electric guitar, acoustic guitar, or line-level signals (e.g., keyboards).

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Video 1: An overview of the Hotone Ampero MP-100's features and connectivity options, including a detailed look at the various input and output ports on the rear panel.

4. OPERATING YOUR AMPERO MP-100

4.1 Powering On/Off

To power on the unit, ensure all connections are secure, then press the "POWER" switch on the rear panel. The touch screen will illuminate, and the unit will boot up. To power off, press the "POWER" switch again.

Figure 5: The Ampero MP-100 powered on, ready for use.

4.2 Navigating the User Interface

The Ampero MP-100 features a 4-inch touch screen and physical knobs/footswitches for navigation and control:

- **Touch Screen:** Tap icons and menus directly on the screen to select effects, adjust parameters, and navigate

presets.

- **MENU/VALUE Knob:** Rotate to scroll through options or adjust parameter values. Press to confirm selections.

- **Footswitches:** Use the four footswitches to change presets, toggle effects on/off, or activate the looper/tuner. The Halo LEDs indicate the status of each footswitch.

Figure 6: Adjusting settings using the physical knobs and touch screen.

4.3 Preset Management and Effect Editing

The Ampero MP-100 allows for extensive customization of your sound:

- **Selecting Presets:** Use the footswitches or the touch screen to browse and select from the 198 available presets.

- **Editing Effects:** Tap on an effect block on the screen to enter its editing interface. Adjust parameters using the knobs or by dragging on the touch screen. You can arrange up to 9 effect blocks simultaneously in your signal chain.

- **IR Loading:** The unit supports user custom IR loading, allowing you to import third-party Impulse Responses for cabinet simulation.
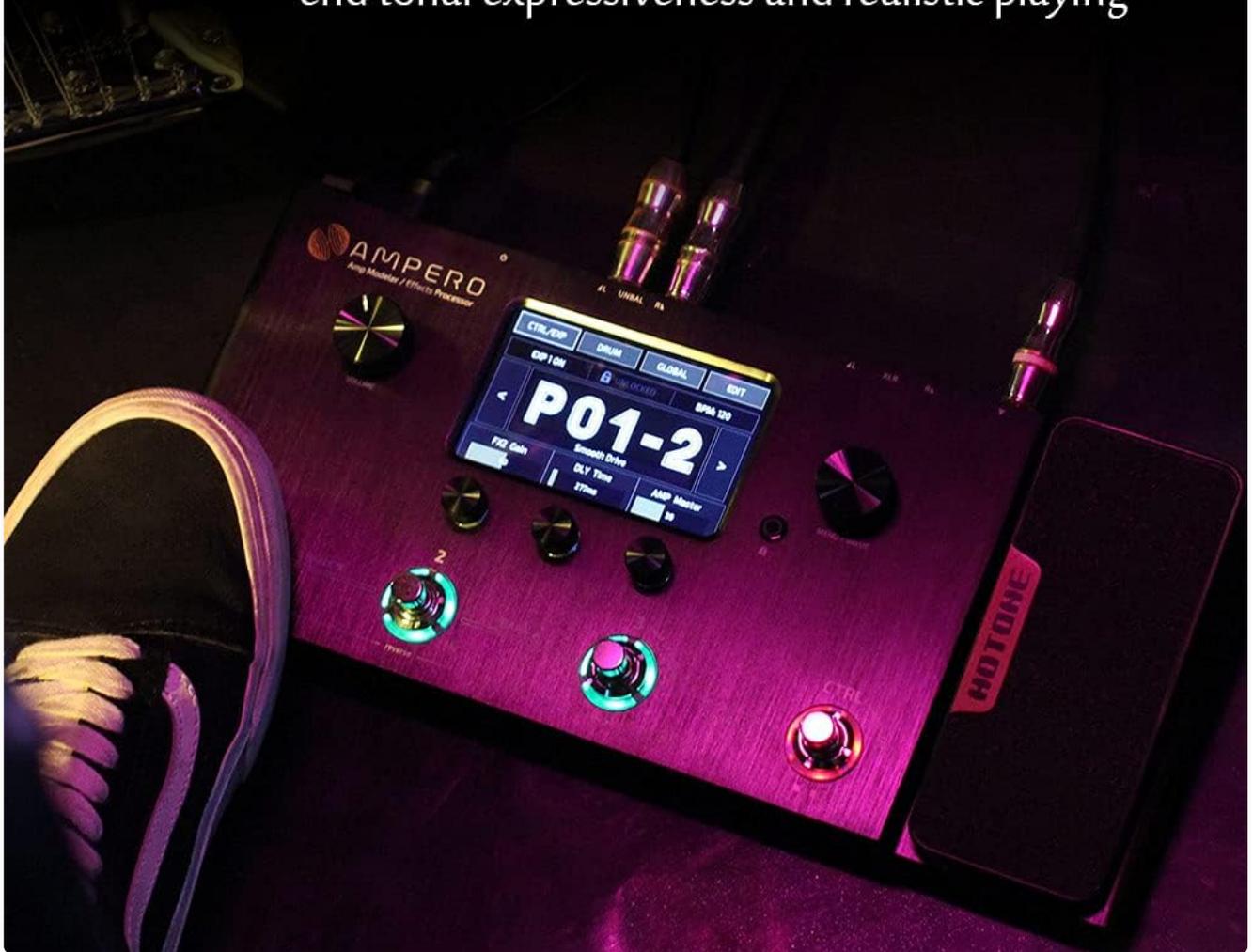
Figure 7: The advanced CDCM HD & F.I.R.E. modeling system provides realistic tonal expression.

4.4 Looper and Drum Machine

The built-in looper and drum machine are valuable tools for practice and songwriting:

- **Looper:** Activate the 100-second looper via a dedicated footswitch or the touch screen. Record, overdub, and playback loops.

- **Drum Machine:** Choose from 100 built-in drum rhythms to play along with. Adjust tempo and volume as needed.

- **Tuner:** Access the precise chromatic tuner by holding down the designated footswitch.
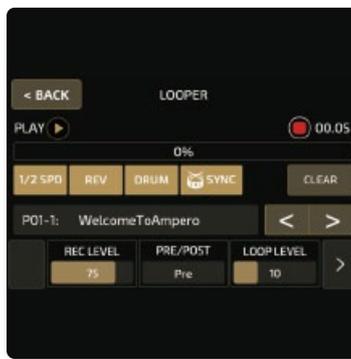
Figure 8: The looper interface on the Ampero MP-100.

Figure 9: The drum machine and tuner interface.

4.5 USB Audio Interface and Software

The Ampero MP-100 can function as a high-quality USB audio interface for recording and re-amping. Connect it to your computer via USB. Free Mac/Windows software is available for comprehensive sound editing and preset management, offering a visual workflow for creating and organizing your tones.

Figure 10: The Ampero software interface for detailed sound editing.

Figure 11: USB connectivity for audio streaming and software control.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid abrasive cleaners or solvents. For the touch screen, use a microfiber cloth specifically designed for electronics.
- **Firmware Updates:** Periodically check the official Hotone website for firmware updates. Updates can improve performance, add new features, and fix bugs. Follow the instructions provided with the firmware update carefully.
- **Storage:** When not in use, store the Ampero MP-100 in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Unit does not turn on.	Incorrect power adapter; loose power connection; power outlet issue.	Ensure you are using the correct 18V DC power adapter. Check all power connections. Try a different power outlet.
No sound output.	Incorrect cable connection; volume levels too low; effect block bypassed; incorrect input mode.	Verify instrument and output cable connections. Check the Master Volume and individual effect block volumes. Ensure no essential effect blocks are bypassed. Confirm the correct input mode (E.GT, A.GT, LINE) is selected.
USB connection issues.	Faulty USB cable; driver not installed; incorrect USB mode.	Try a different USB cable. Install the latest USB drivers from the Hotone website. Ensure the Ampero is in the correct USB mode if applicable (check settings).
Touch screen unresponsive.	Temporary software glitch; screen protector interference.	Restart the unit. Ensure the screen is clean and free of debris. If a screen protector is installed, ensure it is properly applied and not interfering.

For further assistance, please refer to the official Hotone support resources or contact their customer service.

7. SPECIFICATIONS

- **Model Name:** Ampero
- **Item Model Number:** MP-100
- **Brand:** HOTONE
- **Item Weight:** 5.06 pounds (approx. 2.29 kg)
- **Product Dimensions:** 15.98 x 10.2 x 2.8 inches (approx. 40.6 x 25.9 x 7.1 cm)
- **Color:** Ampero (Black)
- **Compatible Devices:** Guitar, Bass
- **Connector Type:** USB, XLR
- **Hardware Interface:** USB
- **Signal Format:** Analog
- **Output Wattage:** 100 Watts (Note: This specification typically refers to amplifier power. For a multi-effects unit, it may indicate internal processing power or power supply rating. Consult official Hotone documentation for precise meaning.)
- **Power Source:** DC power supply (18 Volts)

- **Date First Available:** August 31, 2020

8. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official HOTONE website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.
Official HOTONE Website: www.hotoneaudio.com