HOTONE MP-80

HOTONE Ampero One MP-80 Guitar Multi-Effects Processor User Manual

MODEL: MP-80

1. Introduction

The HOTONE Ampero One MP-80 is a compact and powerful guitar multi-effects processor designed to deliver high-quality sound in a portable format. It features advanced CDCM HD (Comprehensive Dynamic Circuit Modeling High Definition) and F.I.R.E. (Field Impulse Response Enhancement) modeling systems, providing realistic amplifier and effect simulations. The device includes a 4-inch high-definition color touch screen for intuitive control and an optimized user interface for a smooth experience.

This unit integrates 242 effects from the XTOMP library, alongside over 50 original HOTONE effects, covering categories such as Drive, Dynamic, Filter, Modulation, Delay, and Reverb. Additional features include a built-in drum machine with 100 patterns, a looper with up to 100 seconds of recording time, and an integrated expression pedal for dynamic control over your sound.

Figure 1: Front view of the HOTONE Ampero One MP-80, showcasing its touch screen interface and control pedals.

2. Setup

1. **Power Connection:** Connect the included 9V DC power adapter to the 'DC 9V' input jack on the rear panel of the Ampero One. Ensure the power source meets the specified voltage and current requirements.

2. **Instrument Connection:** Connect your guitar or other instrument to the 'INPUT' jack using a standard 1/4" unbalanced (TS) instrument cable.

3. **Audio Output:** Connect the 'OUTPUT L (MONO)' and 'R' jacks to your amplifier, mixer, or audio interface using 1/4" unbalanced (TS) cables. For mono output, use only the 'OUTPUT L (MONO)' jack.

4. **Headphones:** For silent practice, connect headphones to the 'PHONES' 1/8" stereo (TRS) output jack.

5. **Auxiliary Input:** Connect an external audio source (e.g., MP3 player, smartphone) to the 'AUX IN' 1/8" stereo (TRS) input jack to play along with backing tracks.

6. **USB Connection:** Connect the Ampero One to a computer using a USB 2.0 Type-C cable for firmware updates, patch management, and USB audio recording.

3. Operating the Ampero One

The Ampero One features a user-friendly interface centered around its 4-inch touch screen and dedicated control knobs and footswitches.

- **Touch Screen Navigation:** Use the touch screen to select presets, adjust parameters, and navigate through menus. The intuitive UI allows for quick and easy sound shaping.

- **Control Knobs:** The 'VOLUME' knob controls the overall output level. The 'MENU/VALUE' knob allows for precise parameter adjustments and menu navigation when not using the touch screen.

- **Footswitches:** The three footswitches provide hands-free control over various functions, including switching presets, engaging/disengaging effects, and activating the tuner or looper.

- **Expression Pedal:** The integrated expression pedal can be assigned to control parameters such as volume, wah, or other effect parameters in real-time.

- **Effects:** Explore the extensive library of 242 effects and over 50 original HOTONE effects. These include various types of drive, dynamics, filters, modulation, delay, and reverb.
- **Looper:** Activate the looper function to record and layer up to 100 seconds of audio.
- **Drum Machine:** Utilize the built-in drum machine with 100 patterns for practice or creative inspiration.

4. Connectivity

The Ampero One offers a variety of input and output options for seamless integration into your setup.

- **Analog Input Connections:**

    - Guitar Input: 1/4" Unbalanced (TS), 1M Ohms
    - Aux Input: 1/8" Stereo (TRS), 10k Ohms

- **Analog Output Connections:**

    - Left/Right Outputs: 1/4" Unbalanced (TS), 1k Ohms
    - Headphone Output: 1/8" Stereo (TRS), 47 Ohms

- **Digital Connections:**

    - USB Port: USB 2.0 Type-C Port for data transfer and audio interface functionality.

5. Specifications

Feature	Specification
Item Weight	1 pounds (454 Grams)
Product Dimensions	15.08 x 2.56 x 7.05 inches (5"W x 2"H)
Model Number	MP-80
Hardware Interface	USB
Signal Format	Digital
Power Source	Corded Electric
Voltage	9 Volts
Color	Black, Silver
First Available Date	March 11, 2020

6. Troubleshooting

- **No Power:** Ensure the power adapter is correctly connected to the unit and a working power outlet. Verify the adapter specifications match the device requirements (9V DC).
- **No Sound Output:** Check all cable connections (instrument, output to amp/mixer, headphones). Ensure the master volume knob on the Ampero One is turned up. Verify that the selected preset is active and not muted.
- **Distorted Sound:** Check input gain levels to prevent clipping. Adjust effect parameters, especially drive
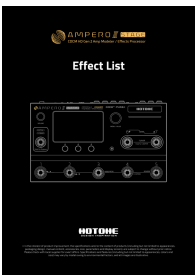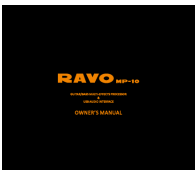
and volume settings within individual effects, to avoid excessive distortion.

- **USB Connection Issues:** Ensure the USB cable is securely connected to both the Ampero One and your computer. Try a different USB port or cable. Install the latest drivers and software from the HOTONE website.
- **Footswitch Malfunction:** If a footswitch is unresponsive, ensure it is clean and free from debris. If the issue persists, a factory reset or firmware update might be necessary.

7. Warranty and Support

For warranty information, technical support, and service inquiries, please refer to the official HOTONE website or contact their customer service department. Keep your proof of purchase for warranty claims.

Related Documents - MP-80

	[Hotone Ampero One User's Manual: Amp Modeler & Effects Processor Guide](#) Explore the full capabilities of the Hotone Ampero One Amp Modeler/Effects Processor with this comprehensive user's manual. Learn about setup, operation, effects, customization, and troubleshooting for your guitar rig.
	[Hotone Ampero Mini User's Manual - Firmware V1.0](#) Comprehensive user manual for the Hotone Ampero Mini multi-effects processor, covering setup, features like tuner, looper, drum machine, effect lists, customization, and technical specifications.
	[Hotone Ampero II Stage: Comprehensive Effect List and Specifications](#) Explore the extensive effect list, amp models, cabinet simulations, and impulse responses of the Hotone Ampero II Stage, a powerful CDCM HD Gen 2 Amp Modeler and Effects Processor. This guide details each effect's parameters and characteristics for guitarists.
	[HOTONE RAVO MP-10: Guitar/Bass Multi-Effects Processor & USB Audio Interface Owner's Manual](#) Comprehensive owner's manual for the HOTONE RAVO MP-10, detailing its features as a guitar and bass multi-effects processor and USB audio interface, including setup, operation, and specifications. Visit www.hotoneaudio.com/support for more.

	[Hotone Ampero II Stomp User Manual](#) User manual for the Hotone Ampero II Stomp, a CDCM HD Gen 2 Amp Modeler and Effects Processor. Learn about its features, operation, customization, and effect list.
	[Hotone Ampero II Stomp CDCM HD Gen 2 Amp Modeler / Effects Processor User's Manual](#) Comprehensive user's manual for the Hotone Ampero II Stomp, detailing its CDCM HD Gen 2 Amp Modeler and Effects Processor features, controls, patch management, extensive effect list, and setup configurations.