



## Binary Amp Owner's Manual

**HOTONE**  
DESIGN INSPIRATION

# Welcome

Congratulations on your new Hotone Binary pedal! You have just added some serious power to your pedalboard.

The Binary series lets loose versatile pro effects in compact cases. A dual-DSP powered platform and CDCM modeling system ensure a realistic playing experience, dual-footswitch design and variable I/Os make it easy to use, and an OLED screen offers clear, detailed display.

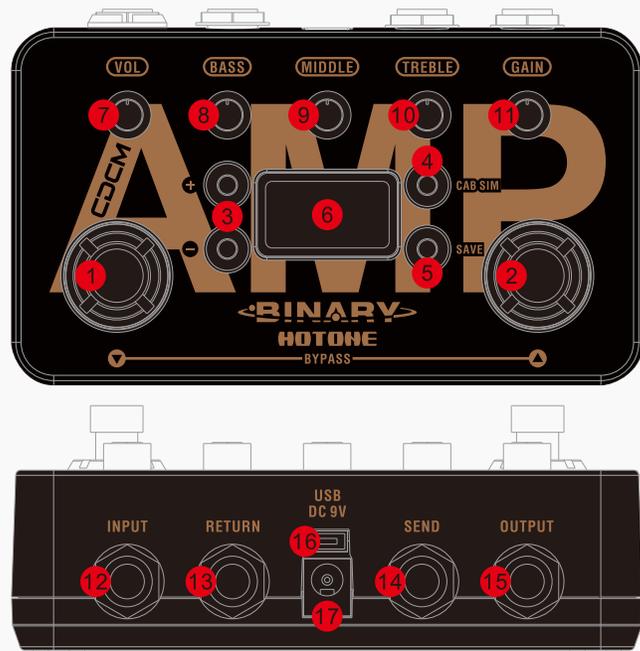
Binary Amp is an amp simulator delivering precise classic amp sounds along with high quality cab simulators, and a built-in FX loop lets you expand your own sound.

# Features

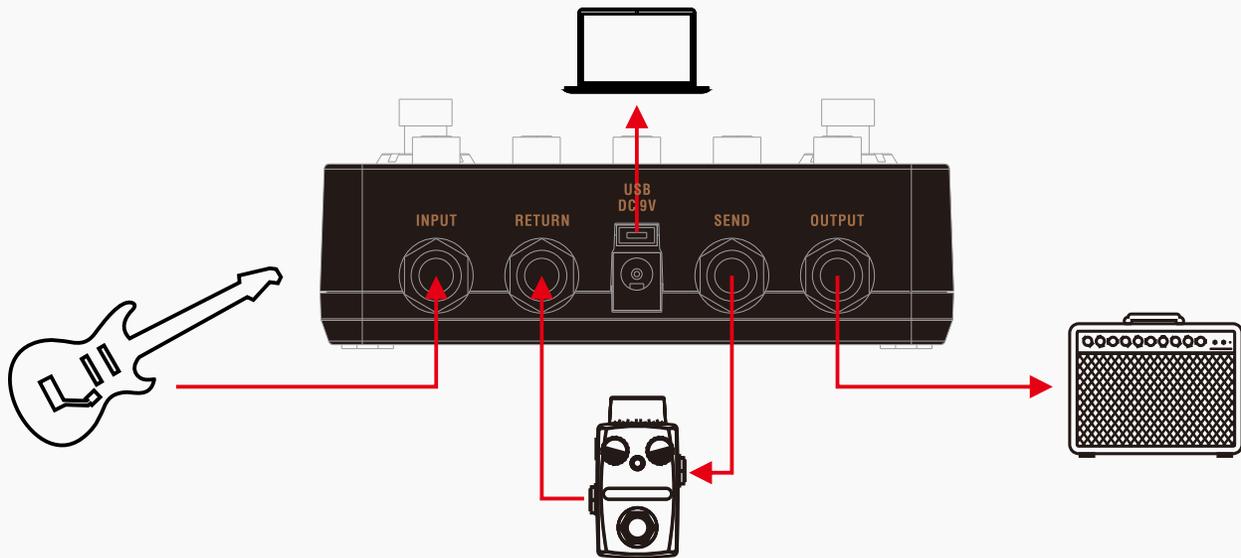
- ✦ Grown out of next-gen XTOMP technology
- ✦ Compact, easy-to-use dual footswitch amp simulator pedal
- ✦ Advanced CDCM modeling system ensures realistic playing experience
- ✦ Dual DSP-powered platform ensures high sound quality
- ✦ 24-bit A/D/A conversion, up to 110dB S/N ratio
- ✦ 16 CDCM powered legendary amp models along with dedicated cab models
- ✦ USB jack for firmware upgrading, loading/managing effects with free PC/Mac software
- ✦ FX Loop jacks for expanded effects
- ✦ 10 Presets (2 banks x 5 presets)
- ✦ Built-in OLED screen with clear display
- ✦ 5 transparent knobs with LEDs
- ✦ 9V DC power supply

# Panel Introduction

- 1-2. ▽/△: For selecting presets, bypass, and other parameters.
3. +/- buttons: For selecting effects and adjusting parameters.
4. CAB SIM button: For switching cab sim on/off.
5. SAVE button: For saving parameter changes.
6. OLED screen: Shows bank/patch numbers, setting values and other operation info.
7. VOL: Controls effect output level.
- 8-10. BASS/MIDDLE/TREBLE: 3-Band EQ, controls the effect tone.
11. GAIN: Controls effect gain amount.
12. INPUT: 1/4" (6.35mm) mono jack, for plugging in instruments or other effects.
- 13-14. SEND/RETURN jacks: 1/4" (6.35mm) mono jacks, for connecting other effects.
15. OUTPUT: 1/4" (6.35mm) mono jack, for connecting to amps or other effects.
16. USB jack: Mini USB jack, for effects editing, firmware updates, and factory reset.
17. DC 9V: Plug in your power supply here (DC 9V, center negative).



# Connections



*Note:*

- 1. If Binary Amp sounds harsh or weird when connecting to the input jack on your amp, try to connect to the amp's FX Loop return jack.*
- 2. TURN ON FIRST, TURN OFF LAST. Always mute the mixer/audio interface or turn down the volume knob on your amp before plugging or unplugging power jacks, cables, etc. When you're using a mixer or an audio interface, please adjust the knobs onboard carefully to avoid signal clipping.*

# Display

Plugging in your power supply will turn on the device. The main display will come up as below:



- 1 - Current bank/patch number
- 2 - Shows only when the cab sim is on
- 3 - Indicates the amp model you're using in current patch

# Select a Patch/Bank

Tap either  $\nabla$ / $\triangle$  footswitch once to change patches. Tap  $\triangle$  footswitch repeatedly to cycle through patches in the order A1, A2, A3, ..., B5, then A1. Tap  $\nabla$  footswitch to change patches in the opposite order.



# Bypass

Tap both ▽/△ footswitches at the same time. In Bypass status, all the LED knobs will go out.



*Note: This unit will be set to bypass status when you plug in the power jack.*

# Edit

## 1. Adjust the parameters

Use the onboard knobs to adjust the effect parameters. The screen display will be shown as below when adjusting:



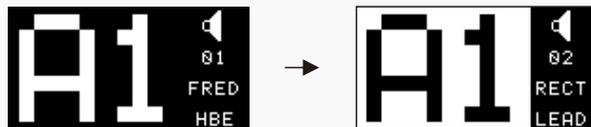
1 - Current parameter value you're adjusting (shown: volume)

2 - Saved parameter value in the current patch (PREV. = Previous value)

# Edit

## 2. Select a different effect

Use the +/- button to change to another amp:



The inverted bank/patch number indicates that the current patch has been edited.

# Save

Hold the SAVE button to activate save function. The screen will be shown as below:



Use the +/- buttons to choose a location. Tap the SAVE button to confirm saving.

Tap either footswitch to cancel saving and go back to edit status.

# Check Firmware Version

You can check firmware version on your Binary Amp after updating to firmware v1.1.1 or later.  
To check firmware version, simply hold the CAB SIM button when effect is on:



```
BINARY AMP  
FIRMWARE VERSION  
V1.1.1
```

# Amp Models List\*

No.	Name	Based On	Cab Sim (Not shown in Binary Amp)
1	FRED HBE	Friedman BE100	FRED 4x12
2	RECT LEAD	Mesa/Boogie Dual Rectifier	RECT 4x12
3	CHEF CLN	Matchless Chieftain	CHEF 2x12
4	USA 2C+	Mesa/Boogie Mark II C+	RECT 4x12
5	DARK DUO	Fender '65 Twin Reverb	DARK 2x12
6	DIZZ VH	Diezel VH4	DIZZ 4x12
7	BASS CLN	Fender '59 Bassman	BASS 4x10
8	AREA 51	Peavey 5150	AREA 2x12
9	BRIT J45	Marshall JTM45	BRIT 4x12
10	SAGA 120	ENGL Savage 120	SAGA 4x12
11	BRIT 800	Marshall JCM800	BRIT 4x12
12	TWD LUX	Fender Tweed Deluxe	TWD 1x8
13	SOLO 100	Soldano SLO 100	SOLO 4x12
14	VOXY T30*	Vox AC30 Top Boost	VOXY 2x12
15	OGRE A30	Orange AD30	OGRE 4x12
16	JAZZ TWIN	Legendary Jazz Clean amp	JAZZ 2x12

\*1. The Manufacturers and product names mentioned above are trademarks or registered trademarks of their respective owners. The trademarks were used merely to identify the sound character of the products.

2. The MIDDLE knob cuts the effect presence (the screen shows CUT when adjusting) on VOXY T30.

# Specifications

Numbers of Effects: 16

Numbers of Patches: 10 (2 banks x 5 patches)

Digital Processing: 24-bit A/D/A conversion, 44.1 kHz sample rate

Frequency Response: 20 Hz-20 kHz

S/N Ratio: Up to 110dB

Input Impedance: 1M Ohms

Output Impedance: 100 Ohms

Power Requirement: DC 9V, center negative

Current Consumption: 200mA minimum

Dimensions: 121mm (D) x 72mm (W) x 47mm (H)

Weight: 340g

The contents of this manual are subject to change without notice.