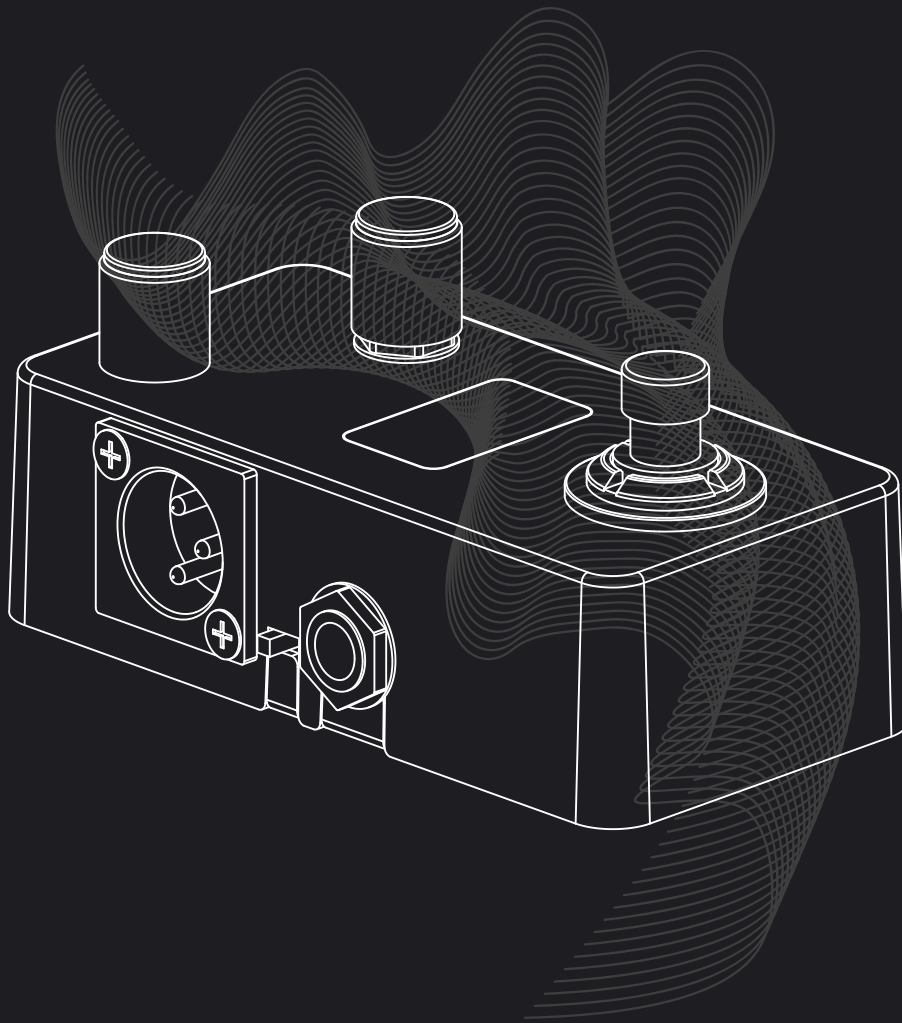# OMNI IR

# Owner's Manual

Manual Version 1.0



## HOTONE
### DESIGN INSPIRATION

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

# Contents

HOTONE
DESIGN INSPIRATION

OMNIAC

# Welcome

Thank you for purchasing a Hotone product.
Please read this manual carefully to get the most out of your Omni IR.
Please keep this manual in a safe place to use for further reference.

The Omni IR is a compact-sized, Impulse Response based cabinet simulator delivering organic, precise guitar/bass cabinet sounds. An internal voltage boost circuit provides tons of headroom, a clear, detailed OLED screen lets you get set up quickly, and variable I/O makes it perfect for any live or recording scenario.

# Features

✪ Compact, easy-to-use IR loader pedal
✪ Advanced DSP platform with high quality 24-bit A/D/A conversion and great dynamic response
✪ Internal voltage boost circuit for great headroom with standard 9V DC power supply
✪ 40 high quality legendary guitar/bass cabinet IRs
✪ Detailed 4-band EQ with flexible frequency range and 12dB max. boost/cut
✪ Supports 3rd party IR files
✪ USB jack for firmware updating, loading/managing IRs with free PC/Mac software
✪ Aux In and headphone output for practicing and jamming
✪ 40 Presets
✪ Built-in hi-res OLED screen
✪ Assignable footswitch with LED
✪ 9V DC power supply
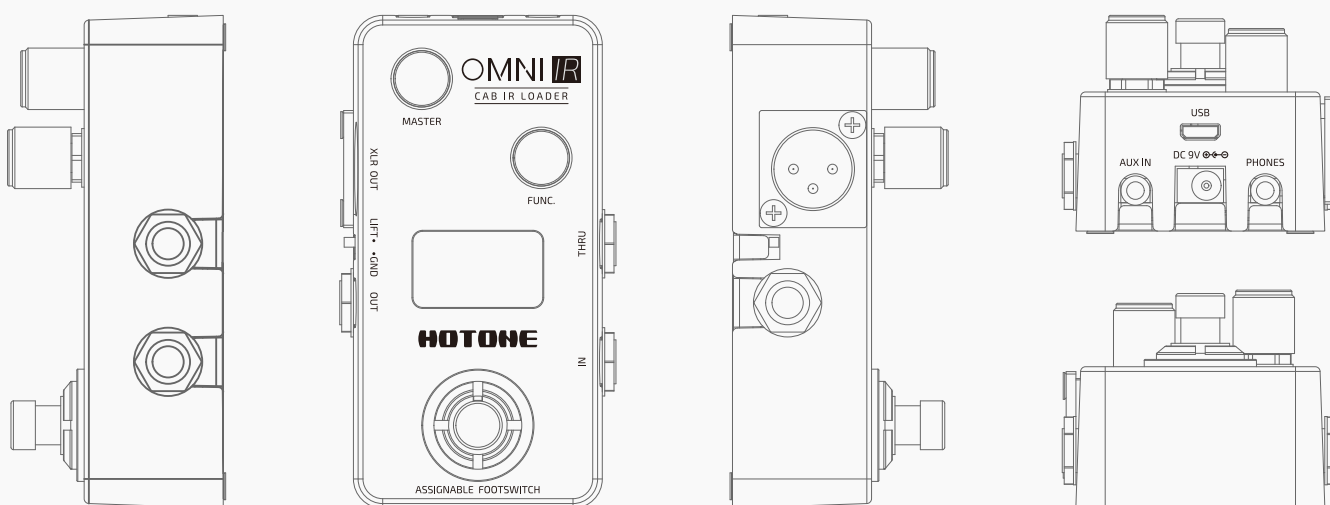
# Panel Introduction

**1. MASTER:** Controls the overall output

**2. FUNC. :** For switching presets/IRs, editing presets, saving, etc.

**3. XLR OUT:** Feeds balanced signal to mixers, interfaces, etc.

**4. LIFT/GND:** Switch to LIFT position to lift the ground wire of XLR OUT jack

**5. OUT:** Unbalanced output jack

**6. OLED SCREEN:** Shows preset numbers, setting values and other operation info

**7. THRU:** Feeds unprocessed dry signal to other devices or reamping

**8. IN:** For plugging in instruments or other effects

**9. ASSIGNABLE FOOTSWITCH**

**10. USB:** Micro USB jack for connecting to computer

**11. AUX IN:** Stereo aux in jack for connecting audio players (won't be affected by Omni IR)

**12. DC 9V:** Plug in your power supply here (DC 9V, center egative)

**13. PHONES:** Stereo headphones jack
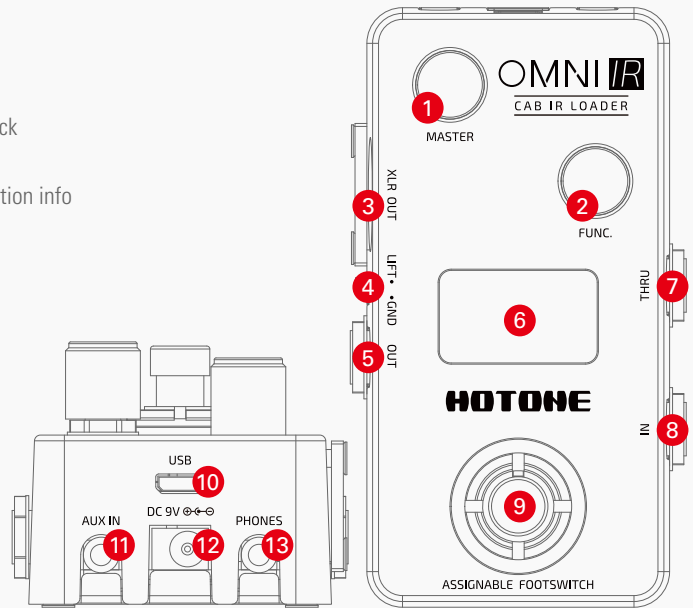
# Connections

## •For practicing/jamming
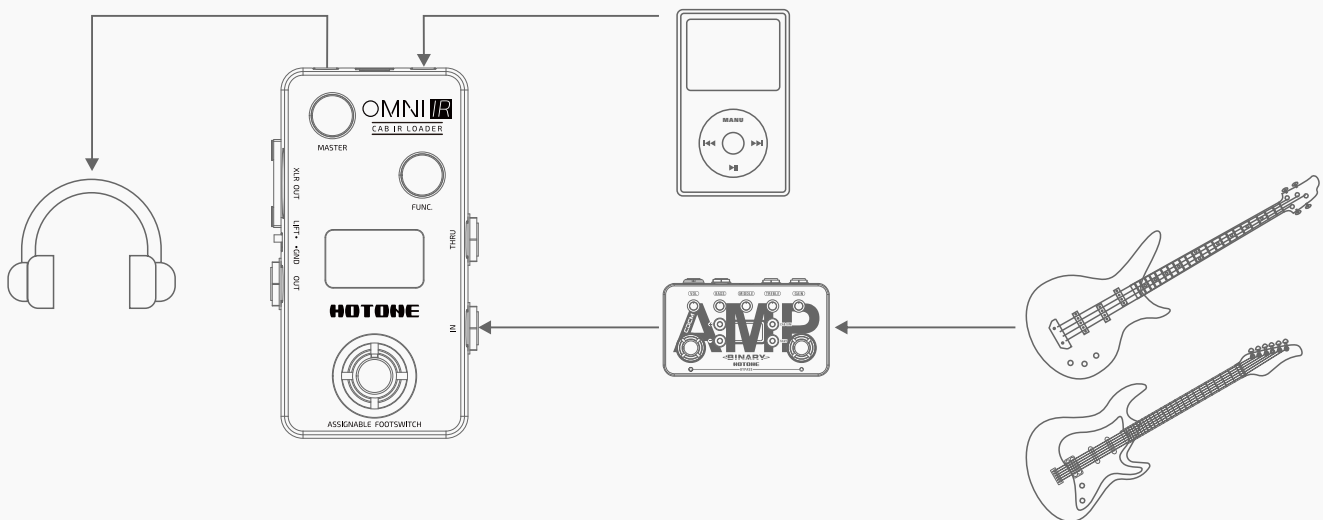
# Connections

## •For live performance



## •For reamping



Note:

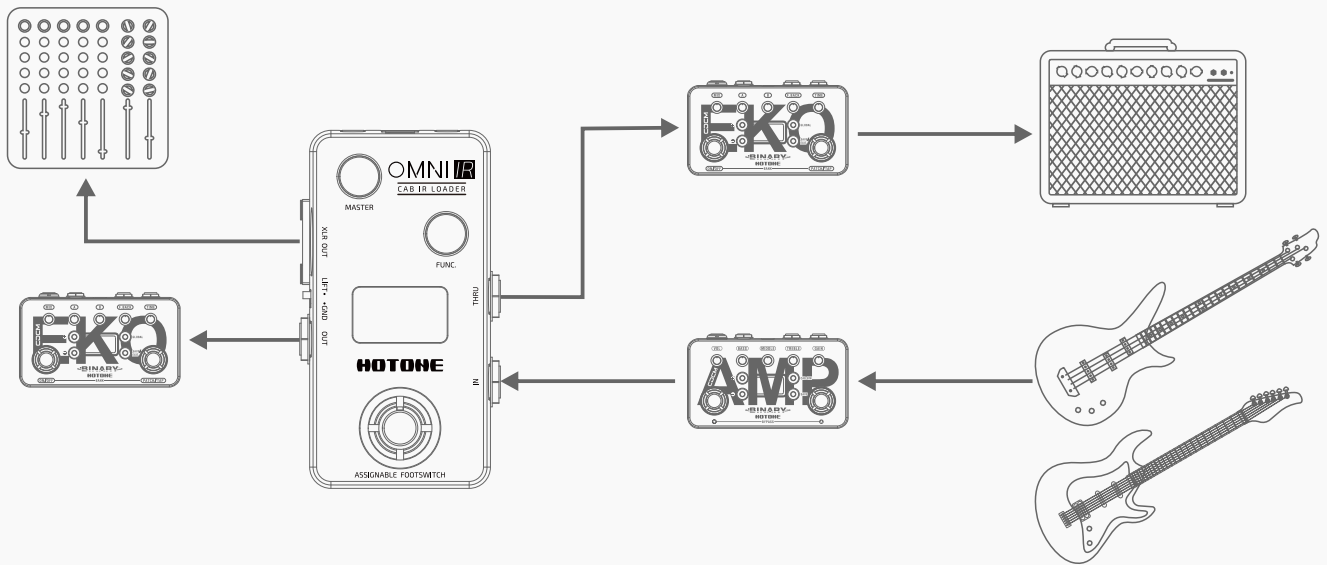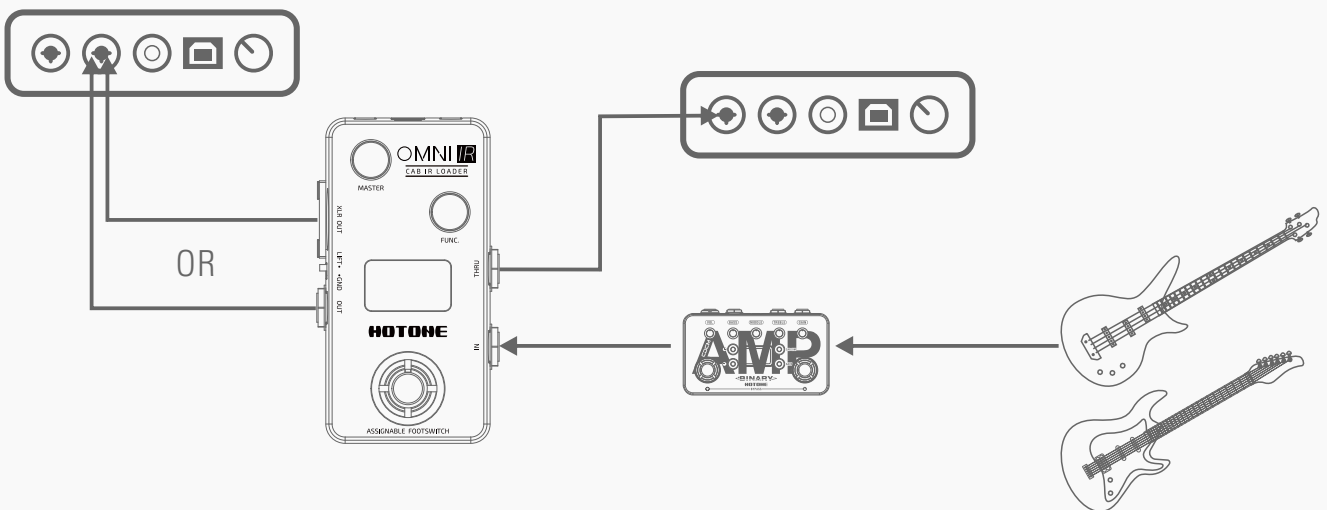Always mute the mixer/audio interface or turn down the volume knob on your amp before plugging or unplugging power jacks, cables, etc. This will reduce the chance of hearing/device damage.

# Main Display

The Main Display will come up as shown below after you plug in your power supply:



1- Current preset number, Omni IR supports 40 presets ranging from 00 to 39

2- Indicates the IR name you're using in current preset

3- Shows only when the EQ is on

# Select a Preset

In Main Display, turn the FUNC. knob to change presets. Turn the knob clockwise to cycle through presets in the order of 00, 02, 03, …, 39 then 00. Turn the knob counterclockwise to change presets in the opposite order.



# Bypass/Mute (default setting)

To set the unit to bypass: tap the footswitch. "BYPASS" will appear on the screen. Tap the footswitch again to go back to normal.



To set the unit to mute: hold the footswitch until "MUTE" appears on the screen. Hold the footswitch again to go back to normal.



Note:

1.In bypass/mute status, the LED halo will go out.

2.AUX IN will not be affected in mute status.

# Edit

### 1. Select a different IR file

In Main Display, press the FUNC. knob to enter IR Select menu. The screen will come up as shown below:

Turn the FUNC. to select an IR file. The file name will be inverted.

# Edit

**2. Edit detailed parameters**

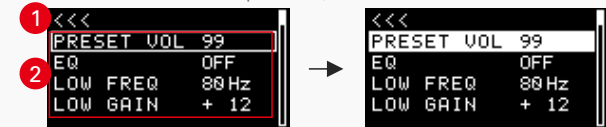In IR select menu, press the FUNC. knob to enter Edit Menu. The screen will come up as shown below:

```
FS FUNCTION    >>>
EDIT PRESET    >>>
EXIT

VERSIONS       V1.0
```

Turn the FUNC. knob to move the cursor on EDIT PRESET, then press FUNC. knob to enter Preset Edit Menu:

```
FS FUNCTION    >>>          <<<
EDIT PRESET    >>>          PRESET VOL 99
EXIT                  →     EQ         OFF
                           LOW FREQ   80Hz
VERSIONS       V1.0        LOW GAIN   + 12
```

**Preset Edit Menu:**

1-Return to previous menu

2-Indicates current cursor position (the PRESET VOL is now selected).

```
① <<<                      <<<
  PRESET VOL 99            PRESET VOL 99
② EQ         OFF      →    EQ         OFF
  LOW FREQ   80Hz          LOW FREQ   80Hz
  LOW GAIN   + 12          LOW GAIN   + 12
```

In this menu, turn FUNC. knob to select a parameter (hollow cursor) or edit parameters (solid cursor), press the FUNC. knob to confirm selection/finish editing.

All available parameters are shown below:

(1) PRESET VOL: Controls the current preset volume

(2) EQ: Switches the EQ on/off

(3) LOW FREQ: Controls the EQ low frequency range

(4) LOW GAIN: Controls the EQ low frequency boost/cut amount

(5) MID FREQ: Controls the EQ mid frequency range

(6) MID GAIN: Controls the EQ mid frequency boost/cut amount

(7) HIGH FREQ: Controls the EQ high frequency range

(8) HIGH GAIN: Controls the EQ high frequency boost/cut amount

(9) PRES FREQ: Controls the EQ presence range

(10) PRES GAIN: Controls the EQ presence boost/cut amount

(11) SAVE: Enter Save Menu

The EQ frequency and boost/cut range are shown below:

| BAND | FREQ range | GAIN range |
|------|------------|------------|
| LOW | 50Hz-500Hz measured by 10Hz | -12~0~+12(dB) |
| MID | 500Hz-1kHz measured by 10Hz | -12~0~+12(dB) |
| HIGH | 1kHz-5kHz measuredby0.1kHz | -12~0~+12(dB) |
| PRES | 5kHz-16kHz measuredby0.1kHz | -12~0~+12(dB) |

# Save

To enter Save Menu, select SAVE in Preset Edit Menu or hold FUNC. knob in IR Select menu. The screen will come up as shown below:



Turn FUNC. knob to choose a location. Press the FUNC. knob to confirm saving.

Press the footswitch to cancel saving.

# Assign Footswitch Function

In Edit Menu, select FS FUNCTION to enter Footswitch Function Assign Menu. The screen will come up as shown below:

```
FS TAP    BYPASS          FS TAP    BYPASS
FS HOLD   MUTE     →      FS HOLD   MUTE
EXIT                      EXIT
```

You can assign 2 different functions to FS TAP (tap the footswitch) and FS HOLD (hold the footswitch):

● MUTE

● BYPASS

● PRESET +

● PRESET −

The functions cannot be same.

# Software

Connect Omni IR to your computer and access the free software to manage your Omni IR device, adjust tonal settings, update firmware, restore settings, and upload third party IR files. Omni software is compatible with Windows and macOS platforms.

Log on to www.hotoneaudio.com/support to download the free software--it's easy to install and comes with a software user manual.

# Factory IR files list*

| PRESET | OMNI IR NAME | BASED ON | MIC TYPE | SPEAKER |
|---|---|---|---|---|
| 4X12 Cabinet | | | | |
| 0 | BRIT 60A 4x12 | Marshall Checkerboard 1960A* 4x12 | Shure SM57 | 4x12 |
| 1 | BRIT 60B 4x12 | Marshall 1960B Checkerboard* 4x12 EV-CSTM | Royer R121 | 4x12 |
| 2 | FLY BOY 4X12 | Friedman 412 Vintage* 4x12 | Neumann U87 | 4x12 |
| 3 | JUIC M25 4x12 | Orange PPC412* 4x12 M25 | Shure SM57 | 4x12 |
| 4 | EGNL PRO 4x12 | EnglPro* 4x12 V30+12C | Shure SM57 | 4x12 |
| 5 | GVH5153 4x12 | EVH5150 III* 4x12 M25+M20 | Gefell UMT70S | 4x12 |
| 6 | DIZZRLD 4x12 | Diezel Rear Loaded* 4x12 V30 | Royer R121 | 4x12 |
| 7 | MES STAT 4x12 | Mesa/Boogie Standard Slant* 4x12 V70 | Shure SM57 | 4x12 |
| 8 | RDL XL 4x12 | Randall RS412XLT100* 4x12 | Shure SM57 | 4x12 |
| 9 | EC ELCT 4x12 | E-VEVM12L Classic Speaker* 4x12 | Shure SM57 | 4x12 |
| 10 | BGR STAD 4x12 | Bogner Standard* 4x12 V30 | Beyerdynamic M160 | 4x12 |
| 11 | MES TDST 4x12 | Mesa/Boogie Traditional Slant* 4x12 V60 | Shure SM57 | 4x12 |
| 12 | BRIT 60TV 4X12 | Marshall 1960TV* 4x12 | Shure SM57 | 4x12 |
| 13 | MES SRF 4x12 | Mesa/Boogie Straight Rectifier* 4x12 | Telefunken MD421-5 | 4x12 |
| 2X12 Cabinet | | | | |
| 14 | ZIDA TWIN 2x12 | Selmer Zodiac Twin 30 G12 T75* 2x12 | Royer R121 | 2x12 |
| 15 | TR 65 2x12 | Two-Rock 212 G12-65* 2x12 | Royer R121 | 2x12 |
| 16 | US 65TW 2x12 | Fender 65 Twin Reverb* 2x12 | Shure SM57 | 2x12 |
| 17 | BOST ZC30 2x12 | Vox Ac30 Top Boost* 2x12 | Sennheiser E609 | 2x12 |
| 18 | MES RF 2x12 | Mesa Boogie Rectifier* 2x12 G12H | Shure SM57 | 2x12 |
| 19 | JUIC PPC 2x12 | Orange PPC212* 2x12 M25+V30 | Royer R121 | 2x12 |

* 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.

# Factory IR files list*

| PRESET | OMNI IR NAME | BASED ON | MIC TYPE | |
|--------|--------------|----------|----------|---|
| | | 2X12 Cabinet | | |
| 20 | BRIT 66B 2x12 | Marshall 1966B* 2x12 | Royer R121 | 2x12 |
| 21 | US STDO 2X12 | Mesa/Boogie Studio* 22 2x12 | Shure SM57 | 2x12 |
| 22 | BGR SVA 2x12 | Bogner Shiva* 2x12 V30 | Shure SM57 | 2x12 |
| 23 | MESH RC2x12 | Mesa/Boogie Recto Horizontal* 2x12 | AKG C414 | 2x12 |
| | | 1x12&1x10 Cabinet | | |
| 24 | DELX VERB 1x12 | Fender Deluxe Reverb* 1x12 C12+V30 | Shure SM57 | 1x12 |
| 25 | US CHAP 1x12 | Fender Champ 25 SE* 1x12 | Shure SM57 | 1x12 |
| 26 | BRIT 74CX 1x12 | Marshall 1974CX* 1x12 | Beyerdynamic M160 | 1x12 |
| 27 | GIBS 30RV 1x10 | Gibson GA-30RV Super Goldtone* 1x10 V30 | Shure SM57 | 1x10 |
| 28 | JUIC PPC 1x12 | Orange PPC112* 1x12 | Shure SM57 | 1x12 |
| 29 | BOST ZC15 1x12 | VoxAC 15C G12M* 1X12 | Shure SM57 | 1x12 |
| 30 | PROJR1x10 | Fender Pro Junior* 1x10 | Shure SM57 | 1x10 |
| | | 4x10 Cabinet | | |
| 31 | LOW MAN 4x10 | Fender 59 Bassman Reissue* 4x10 | Shure SM57 | 4x10 |
| 32 | BGR BLUE 4x10 | Bogner Blue Open Back* 4x10 | Shure SM57 | 4x10 |
| 33 | BRIT 65B 4x10 | Marshall 1965B* 4x10 | Royer R121 | 4x10 |
| | | Bass Cabinet | | |
| 34 | US PRFX 1x15 | 1960s Ampeg Portaflex B15N* 1x15 | Royer R121 | 1x15 |
| 35 | ED XLT 4x10 | Eden XLT* 4x10 | Shure Beta 87A | 4x10 |
| 36 | US SVT 8x10 | Ampeg SVT-810E* 8x10 | Neumann U67 | 8x10 |
| 37 | SVT HLF 4x10 | Ampeg SVT-410HLF* 4x10 | Shure SM57 | 4x10 |
| 38 | SVT AV 2x10 | Ampeg SVT-210AV* 2x10 | Neumann U67 | 2x10 |
| 39 | US GKCX 4x10 | Gallien-Krueger Cx410* 4x10 | Neumann U67 | 4x10 |

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# Specifications

Input Impedance: 1MΩ
Output Impedance: 100Ω
Power Requirement: 9V DC center negative
Current Consumption:  200mA
Dimensions:  101mm (D) x58mm (W) x47mm (H)
Weight: 220g

**HOTONE**
DESIGN INSPIRATION