



# Pedal Quick-Start Guide

## Introduction

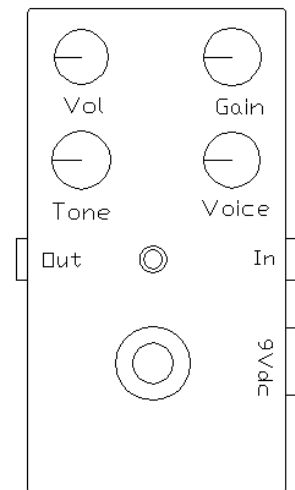
This guide describes the following pedals in the Hermida Audio Technology line:

- Zendrive
- Zendrive 2
- Mosferatu
- Distortion
- Nu-Valve
- Dual Boost
- Reverb

## Zendrive, Zendrive 2, Mosferatu, Distortion and Nu-Valve Pedals

The above pedals have the following common configuration (*Diagram A*):

- Vol(ume), Gain, Tone and Voice knobs
- In/Out jacks
- 9V DC adapter jack
- Status LED
- Bypass footswitch (true bypass)
- 9V battery clip (inside the unit, except on Zendrive 2 and Nu-Valve)



**Diagram A:** Zendrive, Zendrive 2, Mosferatu, Distortion and Nu-Valve Pedals

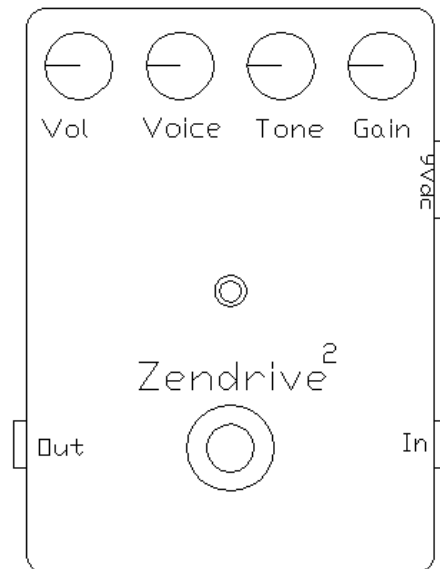
## Knob Functionality

1. **Vol(ume)** - Adjusts the overall volume of the unit. The fully counterclockwise position is zero.
2. **Gain** - Adjusts the amount of gain in the unit. For cleaner settings, rotate counterclockwise. The maximum gain in the pedal is also limited by the Voice knob settings. To set the maximum gain in the pedal, the Voice knob must be rotated fully clockwise.
3. **Voice** - "Tunes" the pedal to the amplifier and guitar. The Voice knob performs two functions:
  - a. Limits or increases the total amount of gain in the pedal. To limit the gain, rotate counterclockwise. To increase the gain, rotate clockwise.
  - b. Adjusts the bottom-end response of the pedal. To increase the bottom-end response, rotate counterclockwise. To reduce the bottom-end, rotate the clockwise. Remember to adjust the Gain knob to compensate for changes in the overall gain of the pedal which occur during the Voice knob adjustment process.
4. **Tone** - Performs a basic "high cut" function. With the Tone knob set fully counterclockwise, high frequencies are fully attenuated.
5. **In/Out Jacks** - Connect a cable with a ¼" plug between the guitar or the output of another pedal to the **In** jack. Connect another cable with a ¼" plug between the **Out** jack and another pedal, amplifier or recording device.
6. **9V DC Adapter Jack** - All pedals (except the Zendrive 2 and Nu-Valve) can operate with a 9V battery or a 9V DC adapter. Please use a 9V DC adapter 200mA with a center negative plug.
7. **Status LED** - The LED is On when the pedal is active. The LED is Off when it is being bypassed.
8. **Bypass Footswitch** - Works in conjunction with the LED. Indicates when electronics are active.
9. **9V Battery Clip** - In pedals that operate with a 9V battery, remove the screws on back cover and the battery clip will be located close to footswitch. Ensure that the clip is connected correctly before closing the back cover.

## Pedals with Tubes: Zendrive 2 and Nu-Valve

### Zendrive 2

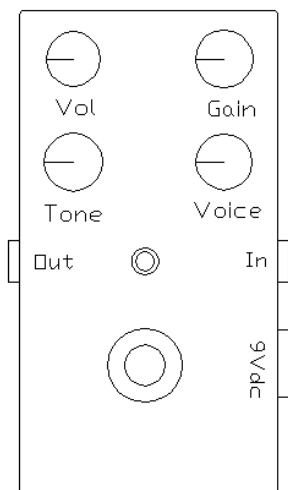
The Zendrive 2 (*Diagram B*) is a variation of the original Zendrive with the addition of a dual triode pre-amp tube. The tube is installed in a socket and can be replaced with other pre-amp tubes. Different tubes can change the voicing and gain of the pedal. The Zendrive 2 comes with a 12AX7 tube, but can also use a 12AT7, 7025, 5751 or similar pre-amp tubes. Please contact support@hermidaaudio if you are unsure of the compatibility of a tube. The Zendrive 2 includes a 9V DC 200mA adapter. It does not operate with a battery.



**Diagram B:** Zendrive 2 pedal

### Nu-Valve

The Nu-Valve (*Diagram C*) includes two small Nuvistor tubes. The pedal operates with a 9V DC 200mA adapter. The tubes are installed below the footswitch in sockets and can be easily replaced without the need to solder. The tubes supplied with the Nu-Valve are NOS (New Old Stock) 6CW4 Nuvistor tubes. This is the only type that should be installed in the pedal.



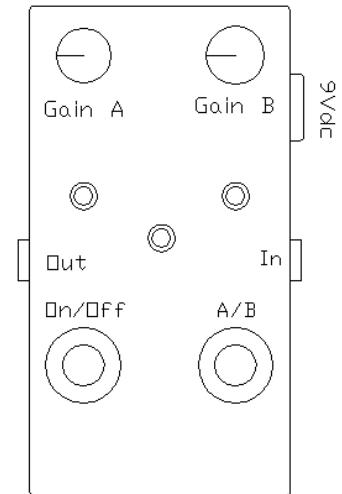
**Diagram C:** Nu-Valve pedal

## Dual Boost Pedal

The Dual Boost pedal (*Diagram D*) offers two distinct clean gain levels selectable by a footswitch.

The Dual Boost has the following configuration:

1. Gain A, Gain B, Tone and Voice knobs
2. In/Out jacks
3. 9V DC adapter jack
4. Status On/Off LED and Gain A and Gain B LED indicators
5. Bypass footswitch (true bypass) and A/B toggle footswitch
6. 9V battery clip (located inside the unit)



**Diagram D:** Dual Boost pedal

## Dual Boost Pedal Operation

1. Install a battery or DC adapter plug into the unit and connect the audio signal from a guitar or another pedal to the **In** jack. Connect the **Out** jack to another pedal or amplifier.
2. The Status LED (lower middle) indicates if the unit is active (LED is On) or in bypass mode (LED is Off).
3. The Gain A and Gain B LED indicators are located under the corresponding Gain knob. One of the two LEDs should always be On when there's power supplied to the unit. The LEDs indicate which Gain channel will be active when the Status LED is On.
4. The Gain A and Gain B knobs are independent of each other and the A/B footswitch can only select A or B.
5. To fully bypass the unit, press the On/Off footswitch. The Status LED should turn Off.

## Reverb Pedal

The Reverb pedal (*Diagram E*) offers a simple and effective way to add reverb to your favorite amplifier. The Reverb has both analog and digital signal paths in order to maintain the warmth and response of the original signal. Both signals are mixed together and sent to the output of the pedal.

The Reverb has the following configuration:

1. Mix knob
2. In/Out jacks
3. 9V DC adapter jack
4. Status LED
5. Bypass footswitch (true bypass)
6. 9V battery clip (located inside the unit)

Note: It is highly recommended that the pedal be powered with a 9V DC adapter (included) or the power from your pedal board. The pedal can operate with a battery but it will consume the battery quickly.

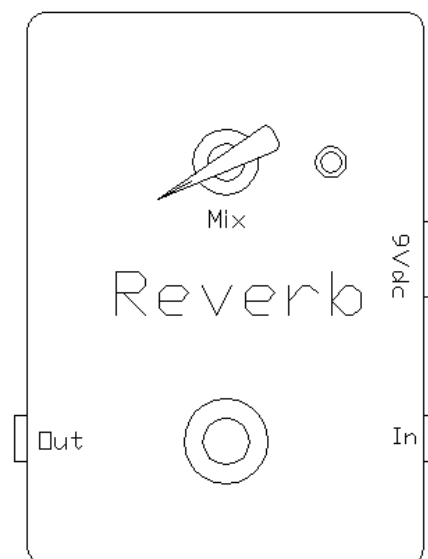


Diagram E: Reverb pedal

## Reverb Pedal Operation

1. Install a battery or DC adapter plug into the unit and connect the audio signal from another pedal or guitar to the **In** jack. Connect the cable from the **Out** jack to another pedal or amplifier.
2. Press the Bypass footswitch to activate the pedal. The Status LED will turn On.
3. While playing the guitar, adjust the **Mix** knob. The **Mix** knob blends the wet reverb signal with the original dry signal from the input.
4. Some users like to use the amplifier reverb in combination with the Reverb pedal. To do this, set your amplifier with the built-in reverb on and while playing the guitar, activate the Reverb pedal. Adjust the **Mix** knob to taste. This setup will allow you to have three different settings: one with the amplifier reverb only, one with the Reverb pedal only and one with both the amplifier and the pedal reverbs on.

The Reverb pedal complies with the following regulations/testing:

