



The Valley Reverb



INTRODUCTION

The VALLEY REVERB pedal is an electric guitar stomp box brought to you by Henretta Engineering, an effect pedal company in Saint Paul, MN, and The Guitar Trader, a guitar shop in Asheville, NC. The VALLEY combines delay with reverb in a 2in1 format that can create a wide range of echo sounds, from snappy slap back and small room sounds to lush cavernous echo, and everything between. The two effects can be used individually or together, and a special mode called The Hollar places the reverb on the delay repeats only for a unique delayed echo effect. The VALLEY REVERB is 100% true-bypass.

OPERATION

There are two foot switches on the VALLEY REVERB pedal, one for the delay circuit and one for the reverb circuit. Step on the foot switches to turn each effect on and off. The corresponding LED lights up when the effect is on. The five external knobs are described below, as well as a toggle switch and two internal controls.

External Controls

VERB DRY LEVEL – This controls the amount of your dry signal that is present when the reverb effect is on. With this knob at around 4:00, your dry signal is at the same volume as when the effect is off (unity gain), much like the reverb effects integrated in some amplifiers. Rolling this control counter-clockwise with the VERB WET LEVEL relatively high provides more intense echo sounds as your dry signal drops out of the mix. When in The Hollar mode, rolling this control back will drop your original signal from the delay repeats only for a unique throbbing reverb tail on your playing.

VERB WET LEVEL – This controls the level of the reverb effect that's mixed in with your dry signal. When in The Hollar mode, this controls how much reverb is added to the repeats of the delay effect.

DELAY LEVEL – This controls the volume of the delay repeats.

DELAY REPEATS – This controls how many repeats the delay effect has, from a single repeat (fully CCW) to infinite repeats (fully CW).

DELAY TIME – This controls the amount of time between delay repeats, from 10 milliseconds (fully CCW) to 450 milliseconds (fully CW).

THE HOLLAR – This toggle switch activates The Hollar mode when in the up position. When The Hollar is off, the pedal is a standard 2in1 where the delay feeds the reverb and the two effects can be used individually or together. When The Hollar is on, the reverb is placed within the delay circuit so that only the delay repeats have reverb on them. Because of this, you will get no effect and still be in true-bypass when the reverb LED is on and you are in The Hollar mode. The best way to use The Hollar mode is to leave the reverb "on" in this fashion and stomp the delay circuit on when you want the combined effect with reverb on the delay repeats. Experiment with the reverb and delay level controls to find unique echo sounds that don't wash out your playing.

Internal Controls

DELAY TONE – The trimpot near the right of the circuit board (when the foot switches are at the bottom) can be used to increase or decrease the amount of treble in the delay repeats for darker or brighter echo sounds.

VERB DECAY – The trimpot near the left of the circuit board (when the foot switches are at the bottom) can be used to increase or decrease the amount of decay in the reverb effect.

VERB LEVEL ADJUST – The trimpot near the center of the circuit board adjusts the range of the VERB WET LEVEL knob. Factory setting is around 3:00, which provides a very present reverb effect at high VERB WET LEVEL settings and allows a very low VERB DRY LEVEL setting to intense sounds without a volume drop. If more subtle reverb levels are desired, adjust this trimpot counter-clockwise.

SPECIFICATIONS

Configuration: As you look down at the front of the pedal, the input jack is near the right edge of the top side, the output jack is near the left edge of the top side, and the power jack is near the middle of the top side.

Power: You can only power the VALLEY REVERB pedal with an external power supply (9 VDC) with the commonly used center-negative barrel connector. The maximum current draw is 100mA.