Operating your Eternity Delay

How to use the Eternity Delay

- Global Settings
- Using the Pedal
- Saving Presets

Global Settings

To enter the Global Settings, hold down the Bypass switch when power is first applied to the pedal. The Mix and Repeats LEDs will be glowing and cycling through various colors. Release the Bypass switch when the Mix and Repeats knobs turns either solid White or Red (if Kill Dry mode is enabled the LEDs will be Red). To save your settings and exit the Global Settings, hold down the Bypass Switch for 3 seconds. The Mix and Repeats LEDs will continue glowing and cycling through the various colors until your settings have been saved.

Below are the following features that can be adjusted within the Global Settings:

- Setting the MIDI Channel
  - Rotate the Cntrl1 knob, the Bypass LED will flash the number of times that corresponds to the MIDI Channel. If setting to MIDI Channel 4, the LED will flash 4 times with a 2 second pause and then repeat.
- Enable/Disable Kill Dry Mode
  - Short press the Tap switch, the Mix and Repeats knobs will change colors. If the LED colors are Red, then Kill Dry Mode is enabled. If the LED colors are White, then Kill Dry Mode is disabled.
- Load a Specific Preset Upon Start-Up
  - Rotate the Mix knob, the Mix LED will cycle through the Preset colors. Rotate until your desired Preset is illuminated.
- Load a Specific Algorithm Upon Start-Up
  - Rotate the Repeats knob, the Repeats LED will cycle through the Algorithm colors. Rotate until your desired Algorithm is illuminated.
- Limit the Number of Presets to Scroll Though
  - Rotate the Filter knob, the Tap LED will flash the number of times that corresponds to the maximum number of Presets available to scroll through. If setting to 3 Presets, the LED will flash 3 times with a 2 second pause and then repeat.

Using the Pedal

Power the Eternity with a 9v DC negative tip power supply, one that is capable of handling up to 300mA of current. Upon powering the Eternity the Mix and Repeats knobs will glow indicating startup mode. Once the Tap LED begins to flash the Eternity is ready to use. Tap the Bypass switch to engage the pedal (Live Mode), the color of the Repeats knob indicates the active algorithm and the color of the Mix LED indicates the cue'd up Preset.

Hold the Bypass switch for 1 second and release to change algorithms.

- Light Blue | Tape Delay
- Green | Digital Delay
- Yellow | Analog Delay
- Red | Dual Delay
- Pink | ESD Delay (Echo, Slap, Doubler)
- White | JRD (JET Signature Rhythm Delay)

To engage Preset Mode, double tap the Bypass switch. This will quickly jump between the delay used in Live Mode to the delay stored in the cue'd up preset. To disengage Preset Mode and jump back to Live Mode, double tap the Bypass switch again.

To change presets, tap both the Tap switch and Bypass switch to cycle through the stored presets:

- Light Blue | Preset #1
- Green | Preset #2
- Yellow | Preset #3
- Red | Preset #4
- Pink | Preset #5
- White | Preset #6

While in Preset Mode you can rotate the knobs to see the saved location of each knob in the stored preset. When each knob is rotated, its corresponding LED will flash, and will return back to a solid color once the knob is rotated over the stored location.

Control Knobs

Mix Knob

The Mix knob controls the overall loudness of the repeats. Rotating fully counter-clockwise will set the repeats volume to minimum and fully clockwise to maximum. The Mix knob does not affect/remove any of your dry signal. In order to get 100% wet delay, you need to engage Kill Dry Mode.

Repeats Knob

The Repeats knob controls the number of repeats that will be regenerated from the Eternity. Rotating fully counter-clockwise sets the repeats to minimum (one repeat) and fully clockwise sets the repeats to maximum. At maximum settings, the repeats will not self-oscillate.

Filter Knob

The Filter knob controls the overall brightness of the repeats. Rotating fully counter-clockwise allows all frequencies to pass, when rotating clockwise the upper frequencies will be removed. Rotating clockwise sets the cutoff frequency lower and lower for darker repeats. The Filter knob does not affect/remove any frequencies from your dry signal.

Cntrl1 Knob

The Cntrl1 knob varies per algorithm, please reference the Algorithm section for details pertaining to the Cntrl1 knob for each Algorithm.

Soft Click Switches

Bypass Switch

The Bypass Switch functions as the main navigation for the pedal, below outlines the functions attached to this switch.

- Short Press
  - Performing a short press will engage/disengage the pedal. When engaged, the Bypass LED will illuminate and the delay signal will be heard. This is called "Live Mode", the sound of the delay will be heard based on the current settings of each knob, toggle switch, and the active Algorithm that is illuminated by the Repeats LED.
- Double Tap
  - Performing a double tap will engage/disengage "Preset Mode". When Preset Mode is engaged, the Tap LED will illuminate and the delay signal will be the sound that is saved in the current preset location. The current preset can be identified by the color of the Mix LED. When Preset Mode is engaged, the saved Algorithm can be identified by the color of the Repeats LED.
- Two Button Press (Tap & Bypass Switches)
  - Performing a two button press will cycle through the stored presets. Each time a two button press is performed the color of the Mix LED will change, identify which preset is active or cue'd up. If the pedal is in Preset Mode, it will cycle through each preset and the new preset sound will be heard immediately. If the pedal is in Live Mode, you can cue up which preset will be heard when Preset Mode is engaged.
- Long Press
  - Performing a long press (hold for 1 second and release) will cycle through the active algorithm. Algorithms can be changed at any time in both Live Mode and Preset Mode

Tap Switch

The Tap Switch is dedicated to tap tempo. To set a tempo you must press the tap switch at least 3 times, anything less and the tempo will not update. The tap tempo may take longer to update than

other delay pedals however we feel accuracy is more important than speed. Our tap system is the most accurate tap tempo on the market and this is achieved by averaging the tempo based on the number of taps it receives. In other words, the more taps you enter into the Eternity the more accurate the tempo will be.

Toggle Switch

1/4 Note Setting

Setting the Toggle Switch to the top position will create repeats with a 1/4 note subdivision based on the tempo that has been tapped in by the Tap Switch.

Dotted 1/8 Note Setting

Setting the Toggle Switch to the middle position will create repeats with a dotted 1/8 note subdivision based on the tempo that has been tapped in by the Tap Switch.

1/8 Note Setting

Setting the Toggle Switch to the bottom position will create repeats with an 1/8 note subdivision based on the tempo that has been tapped in by the Tap Switch.

***See the Algorithm section for toggle switch settings for the ESD and Dual Delay Algorithms.

Saving Presets

Saving a preset is simple and quick. Cue up the current preset location you'd like to save a preset to (identified by the color of the Mix LED). Change the active algorithm (if desired) and dial in the settings on the toggle switch and knobs. Once you have a sound that you like, simply hold down the Bypass Switch for 3 seconds. The Bypass LED will flash rapidly indicating the preset has been saved.

***To save a preset the pedal must not be bypassed, you can save a preset in either Live Mode or Preset Mode.