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# Memory Lane Jr

Delay with variable sample rate modulation and tap tempo

User Manual

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## INTRODUCTION

Thank you for purchasing a Diamond effect pedal!

The Memory Lane Jr is a digital evolution of our original Memory Lane concept, the world's first analog delay with tap tempo.

By utilizing the same variable sample rate concept used in analog bucket brigade modulation, and adding custom analog anti-aliasing and reconstruction filters and companding, we've captured the ethereal essence of the Memory Lane ... in a much smaller footprint, with over twice the delay time, an extended frequency response, and standard 9V powering. The MLJr digital sampling engine's sole function is to copy, delay, and reproduce the delay path signal with no mathematical manipulation at all - and unlike standard audio codecs, there is not even any digital anti-aliasing and reconstruction filters. All signal paths around the sampling engine (direct path, feedback path, and everything before and after the digital sampler) are analog, paths carefully designed to provide a unique sonic signature that is unmistakably the Memory Lane Jr.

We hope you'll enjoy using this pedal as much as we have enjoyed designing it.

*Remember to protect your hearing and wear appropriate hearing protection when playing loud...*

## FEATURES

- 1200 ms of delay time
- Tap tempo with quarter note, dotted 8th note and triplet subdivisions
- Adjustable modulation
- Analog signal paths surrounding a simple sample-delay-playout engine
- User selectable True Bypass or Buffered with Delay Trails operation
- Premium audio components, including Panasonic capacitors and 0.5% resistors
- Bi-color LEDs provides visual indication of tap subdivision and delay time

## A NOTE ABOUT POWERING THE MEMORY LANE JR

The Diamond Memory Lane Jr is designed to be powered from either a 9V battery\* (included), standard 9V negative tip DC power adapter or from a multi pedal power supply. Current draw is rated at a maximum of 70mA.

\*Please note that battery life with a standard 9V is limited to approximately 2.5 hours. We recommend using a quality negative tip 9V power adapter designed for powering musical accessories or a 9V negative tip feed from a dedicated pedal power supply.

## QUICK START GUIDE

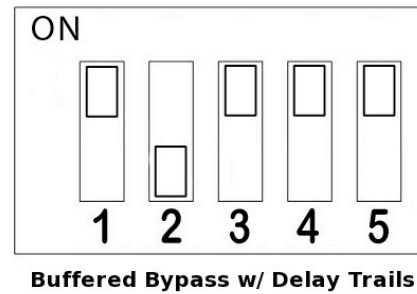
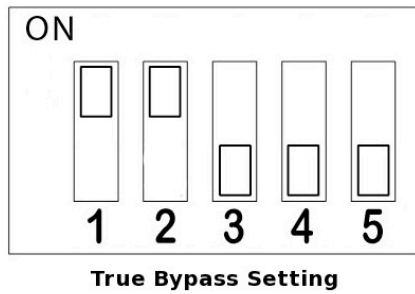
To get started quickly using the Memory Lane Jr, simply turn the unit on, toggle the tap division switch(indicated by the ♪ symbol) until it turns green and adjust the DLY, FBK and MOD and MIX controls to taste. You can adjust the delay time using the DLY knob or by tapping the TAP/DBL footswitch.

Now that you've got the basics of the pedal down, read on to uncover the advanced features of the Memory Lane Jr.

## TRUE BYPASS OR DELAY TRAILS?

The Memory Lane Jr ships with the pedal set for true bypass operation. When bypassed using the ON/OFF switch, the delay repeats will immediately stop.

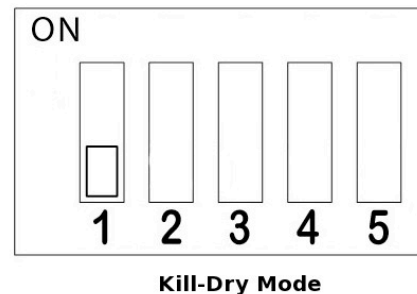
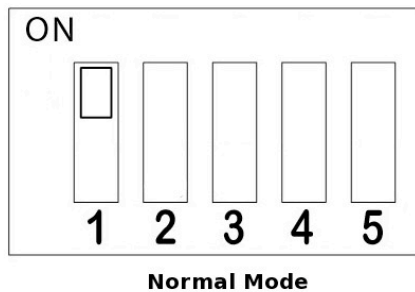
In Delay Trails mode, the repeats will trail off naturally when the pedal is turned off. Should you prefer to have the Memory Lane Jr operate in Delay Trails mode, you will need to set the internal DIP switches as shown below:



\*Note that switch #1 is not related to the bypass setting but to the Kill-Dry mode noted below.

### USING A PARALLEL FX LOOP?

If you plan on using the Memory Lane in a parallel FX loop and would like to control the effect mix using your amp control, we recommend setting the Memory Lane Jr to 'Kill-Dry Mode'. In this mode, the pedal will output only the delays and not the dry signal. To select 'Kill-Dry' simply set DIP switch 1 as shown below:



### CONTROLS EXPLAINED

#### **DLY**

The DLY knob sets the delay time manually between 16 and 1200 milliseconds. The delay time can also be set using the TAP/DBL footswitch. The right side LED flashes at the current tempo to provide visual indication of the delay time.

#### **MOD**

The MOD knob sets the depth of the modulation effect applied to the delay repeats. Turning the control clockwise will increase the modulation effect. Turning this control to minimum will disable the modulation.

### *SUBDIVISION Switch ( ↓ )*

This toggle switch allows you to toggle through the choice of 3 different subdivisions for the tap tempo function. Each subdivision is indicated by a different color

**Green**-What you tap is what you get mode. The interval between taps equals the delay time.

**Orange**- Dotted 8th note mode. Tapping on the beat at the desired tempo will result in echoes which will sound in dotted 8th note rhythm.

**Red**- 8th note triplet mode. Tapping on the beat at the desired tempo will result in an 8th note triplet rhythm (3 repeats per beat).

Note that it is possible to set the delay time for a particular tempo and then toggle through the various subdivisions. The Memory Lane Jr will recalculate the delay time 'on the fly'. It is not necessary to re-tap the tempo.

### *FBK*

The FBK knob determines the number of repeats that will result from a played note or chord. Turning this control clockwise increases the number of repeats. Setting this control to minimum will result in a single repeat.

### *TAP/DBL*

The TAP/DBL footswitch provides two functions. First, tapping the footswitch sets the delay time between 16 and 1200 milliseconds, corresponding with the speed tapped. Second, holding the TAP/DBL footswitch down switches the pedal to double mode, immediately cutting the current delay time in half which in effect doubles the current tempo. While in double mode, tapping in a new tempo will result in half the delay time tapped. This is extremely useful for setting short delay times which would otherwise be very difficult to tap accurately.

### WARRANTY

Your Diamond pedal is covered by a 5 year warranty on materials and workmanship. Please contact us by telephone (902-832-7139) or email [info@diamondpedals.com](mailto:info@diamondpedals.com) if you experience any problems with your pedal. We're here to help!