



---

# Carbon Copy<sup>®</sup> Mini Analog Delay

---

This pedal packs the organic analog warmth and ease of use of the original Carbon Copy Analog Delay into an MXR mini housing with added sonic versatility so that you can make the most out of your pedalboard real estate.

---

# External Controls



- 1 MOD switch toggles modulation on/off (orange LED indicates on)
- 2 REGEN knob sets number of repeats
- 3 MIX knob controls blend of wet and dry signals
- 4 DELAY knob sets time between repeats
- 5 FOOTSWITCH toggles effect on/bypass (blue LED indicates on)
- 6 BRIGHT switch accentuates delay signal's high end frequencies (blue LED indicates on)

---

# Basic Operation

---

## Power

The Carbon Copy® Mini Analog Delay is powered by the Dunlop ECB003 9-volt adapter or the DC Brick™, Iso-Brick™, and Mini Iso-Brick™ power supplies. This pedal cannot be powered by a battery.

---

## Directions

- 1 Run a cable from your guitar to M299's INPUT jack and another cable from M299's OUTPUT jack to your amplifier.
- 2 Start with all knobs set to 12 o'clock.
- 3 Turn effect on by depressing the footswitch.
- 4 Rotate REGEN knob clockwise to increase number of repeats or counterclockwise to decrease it.
- 5 Rotate MIX knob clockwise to increase ratio of wet to dry signal or counterclockwise to decrease it. Fully clockwise results in half wet/half dry mix while fully counterclockwise results in 100% dry signal.
- 6 Rotate DELAY knob clockwise to increase delay time or counterclockwise to decrease it.
- 7 Use a jeweler's flathead screwdriver to flip the BRIGHT switch toward heel of pedal to accentuate delay signal's high end frequencies (indicated by blue LED).
- 8 Push in MOD switch to add modulation to your delay signal. Modulation width and speed can be adjusted internally (remove bottom plate) with a 3mm slotted screwdriver (see Diagram A).

### DIAGRAM A

MODULATION

WIDTH  SPEED  
- - + +

---

# Specifications

Input Impedance	1M $\Omega$
Output Impedance	1k $\Omega$
Max Input Level	+5 dBV, 500 Hz
Max Output Level	+8 dBV
Noise Floor**	
Mix at Max CW	-96 dBV
Mix at Max CCW	-104 dBV
Delay Distortion	<1%, 1 kHz -5 dBV Input
Delay Time	20 ms to 600 ms
Noise Reduction	2:1 ratio
Modulation Speed	0.2 Hz to 2.2 Hz
Bypass	True Hardwire
Current Draw	26 mA
Power Supply	9 volts DC

*\*Regen at max CCW, A-weighted*