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# Carbon Copy® Analog Delay 10th Anniversary

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Released in February 2008, the Carbon Copy Analog Delay's rich warmth, elegant simplicity, and healthy reserve of delay time have endeared it to guitar players around the world. We're celebrating the 10th anniversary of its release with this special edition, featuring a lightweight aluminum housing with a metallic silver finish. And of course, it's got all the same Carbon Copy goodness that made it famous.

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## External Controls



- 1 MOD switch toggles modulation on/off (blue LED indicates on)
- 2 MIX knob controls blend of wet and dry signals
- 3 REGEN knob sets number of repeats
- 4 DELAY knob sets delay time
- 5 FOOTSWITCH toggles effect on/bypass (blue LED indicates on)

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# Basic Operation

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## Power

The Carbon Copy® Analog Delay is powered by one 9-volt battery (remove bottom plate to install), a 9-volt AC Adapter such as the Dunlop ECB003/ECB003EU, or the DC Brick™ and Iso-Brick™, and Mini Iso-Brick power supplies.

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## Operation

- 1 Run a cable from your guitar to the M169A's INPUT jack and another cable from the M169A's OUTPUT jack to your amplifier.
- 2 Start with all controls at 12 o'clock.
- 3 Turn the effect on by depressing the footswitch.
- 4 Rotate the REGEN knob clockwise to increase the number of repeats or counterclockwise to decrease it.
- 5 Rotate the MIX knob clockwise to increase the 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 the DELAY knob clockwise to increase delay time or counterclockwise to decrease it.
- 7 Push in the 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  
- + - +

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# 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