

## SAMPLE SETTINGS



### SLAP

REGEN 12:00  
MIX 10:00  
DELAY 7:00  
MOD BUTTON: OFF



### STANDARD

REGEN 11:00  
MIX 11:00  
DELAY 1:00  
MOD BUTTON: ON



### LONG

REGEN 2:00  
MIX 1:00  
DELAY 4:00  
MOD BUTTON: ON



# M169 Carbon Copy

Congratulations on the purchase of the M169 Carbon Copy! The MXR Carbon Copy Analog Delay features a completely analog audio path for the ultimate in rich, warm delay—made possible only by old-school bucket brigade technology. This design boasts an amazing 600ms of delay time with optional modulation via a top-mounted switch and a simple, three-knob layout that controls Delay time, Mix (wet blend), and Regen (delay repeats)—all in a pedal no bigger than a Phase 90. In addition, two internal trim pots offer user-adjustable width and speed control of the modulation for even more tonal options. The Carbon Copy will take you from crisp "bathroom" slap echoes to epic, Gilmour-esque delays with a twist of a knob. True hardwire bypass, single 9-volt operation, and stage-ready blue LEDs round out the package.

- 100% analog bucket brigade technology
- Up to 600ms of delay with switchable modulation
- True hardwired bypass and 9-volt operation
- All in the size of a Phase 90!



LIVE TO PLAY LIVE®

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## CONTROLS

- 1 MOD** toggles modulation on/off (blue LED indicates on)
- 2 REGEN** controls amount of delay repeats
- 3 MIX** sets wet signal level
- 4 DELAY** sets the delay time
- 5 FOOTSWITCH** toggles effect on/bypass (blue LED indicates on)

## SPECIFICATIONS

- Input Impedance (Effect On)	1meg Ohm
- Output Impedance	(Effect On) 1K Ohm Max
- Max Input Level	+5dBV @ 500Hz (ref 1V RMS)
- Max Output Level	+8dBV
- Signal to Noise (Regen @ Max CCW)	
Mix @ Max CW	>-96dB 'A' weighted
Mix @ Max CW	>-104dB 'A' weighted
- Delay Distortion	<1% @1kHz, -5dBV Input
- Delay Time	20msec to 600msec
- Noise Reduction	2:1 reduction ratio
- Modulation Speed	0.2Hz to 2.2Hz
- Housing Dimensions	4-3/4" x 2-3/4" x1-9/32"
- Weight	14oz.
- Housing Material	Zinc
- Bypass	True-Hard-Wire
- Power Draw	26mA Max
- Power Requirement	Dunlop ECB-03 9VDC adapter with 5.5 mm x 2.1mm positive barrel & negative center.

## POWER

The MXR Carbon Copy Analog Delay can be powered by one 9-volt battery (accessed by removing the bottom plate of the pedal), a Dunlop ECB-003 AC adapter, (ECB-003E in Europe) or a Dunlop DCB-10 DC Brick power supply.

## DIRECTIONS

To begin using your MXR Carbon Copy Analog Delay:

- A) Run a cable from your guitar to the Carbon Copy's Input jack and run another cable from the Carbon Copy's Output jack to your amplifier.
- B) Set the Carbon Copy's 'Delay' and 'Mix' controls to their full clockwise position and the 'Regen' control to the full counter-clockwise position.
- C) Turn the effect on by depressing the footswitch. The illuminated blue LED indicates the Delay Effect is on.
- D) Dial in the desired delay time by adjusting the Delay knob, from 600ms (clockwise) to 20ms (counterclockwise)
- E) Dial in the desired amount of delay repeats by adjusting the Regen knob (regeneration), from infinite repeats (clockwise) to a single repeat (counterclockwise). (Note: the number of repeats may vary with different Delay time settings).
- F) Adjust the Mix knob to the desired wet or 'delayed' signal level, from no delay signal (counterclockwise) to an equal wet and dry signal level.
- G) To add modulation (a slight up and down pitch shift) to the delayed signal, depress the Mod button. The illuminated small blue LED indicates Modulation on. Modulation width and speed can be adjusted internally with a 2 mm slotted screwdriver.