MXR

Carbon Copy®
Deluxe Analog Delay

With extended delay time, tap tempo functionality, and a number of other features, this pedal updates the sound and operation of the respected Carbon Copy Delay for discerning players with modern gigging and recording needs.

External Controls

1 TAP-BEAT footswitch sets tempo of repeats
(indicated by orange LED)

2 TAP DIV switch cycles through tap tempo subdivisions
(indicated by LED screen)

3 BRIGHT switch accentuates high end frequencies of delay
signal (red LED indicates on)

4 MIX knob controls ratio of wet to dry signal

5 REGEN knob sets number of repeats

6 DELAY knob sets delay time

7 EXP jack allows for external control of various functions

8 SPEED knob controls rate of modulation effect

9 WIDTH knob sets width of modulation effect

10 MOD switch toggles modulation on/off
(blue LED indicates on)

11 EFFECT footswitch toggles effect on/bypass
(blue LED indicates on)

Internal Controls

INPUT GAIN switch optimizes pedal for use with
both guitar and line-level input signals.

DRY switch removes dry signal from output mix to
provide 100% wet return for recording and parallel
signal mixing

Basic Operation

1. Run a cable from your guitar to the M292's INPUT jack and another cable from the M292's OUTPUT jack to your amplifier.

2. Start with all controls at 12 o'clock.

3. Turn the effect on by depressing the EFFECT 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 equal wet/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.
Note: This control overrides the tempo set by the TAP BEAT footswitch.

7. Press the MOD switch to add modulation to your delay signal (indicated by pulsing blue LED).

8. Rotate the SPEED control clockwise to increase modulation rate or counterclockwise to decrease it.

9. Rotate the WIDTH knob clockwise to widen modulation effect or counterclockwise to narrow it.

10. To set the tempo of your repeats, tap your foot at least twice on the TAP BEAT footswitch to desired rhythm.

11. Press the TAP DIV switch to engage and select one of four tap tempo subdivisions: dotted 8ths, 8ths, Triplets, and 16ths.

12. Push the BRIGHT switch to accentuate delay signal's high end frequencies (indicated by red LED).

13. The internal INPUT GAIN switch is factory set to the GTR position, which optimizes the pedal's performance for instrument-level input signals. Set the switch to its LINE position to optimize performance for line-level input signals. *NOTE: INPUT GAIN switch does not affect overall output signal level.*

14. The internal DRY switch is factory set to its ON position, which adds 100% of your unaffected dry signal to the output mix while the delay effect is on. Set the switch to its OFF position to remove the DRY signal from the output mix while the delay effect is ON, giving you 100% wet return for recording and parallel signal mixing.

Power

The Carbon Copy Deluxe Delay is powered by a 9-volt battery, a Dunlop ECB003 9-volt adapter, or the DC Brick™ and Iso-Brick™ power supplies.

Advanced Operation

RECOMMENDED ACCESSORIES

DVP3 Volume (X)™ Pedal or DVP4 Volume (X)™ Mini Pedal
M199 MXR Tap Tempo Switch

USING EXPRESSION PEDAL TO SWEEP BETWEEN TWO DIFFERENT SETTING CONFIGURATIONS

1. Connect expression pedal to M292's EXP jack with a TRS cable. Expression pedal will sweep between "A" and "B" setting configurations. Previously saved settings will be automatically recalled.

2. To override recalled "A" settings and create a new "A" configuration, set expression pedal rocker to its HEEL-DOWN position and adjust DELAY, SPEED, and WIDTH knobs and BRIGHT, TAP DIV, and MOD buttons as desired. Note: MIX and REGEN knobs cannot be controlled with expression pedal.

3. To override and create a new "B" configuration, set expression pedal rocker to its TOE-DOWN position and then adjust aforementioned knobs and buttons as desired.

4. Hold TAP-BEAT switch for 2 seconds until all front panel LEDs flash to save settings. Settings will be preserved when pedal is disconnected from power source or from expression pedal.

5. Moving rocker back and forth will move smoothly sweep between "A" and "B" settings. BRIGHT, TAP DIV, and MOD settings will toggle at rocker's half way position.

6. Settings can be overridden by simply re-adjusting aforementioned knobs and buttons. To return to saved settings, disconnect TRS cable for 2 seconds and then reconnect it.

7. Delay time can be temporarily changed by tapping a new delay time with TAP-BEAT switch. NOTE: The selected TAP DIV setting will apply. Moving the Expression pedal will automatically recall saved or overridden settings. Hold TAP-BEAT switch for 2 seconds until all front panel LEDs flash to save the new tapped in delay time to "A" or "B" setting depending on rocker position. This will also save overridden knob and button settings to the same position.

USING A EXTERNAL TAP SWITCH TO SET TEMPO

1. Press and hold TAP-BEAT switch while connecting M292 to power source, then release switch after TAP-BEAT LED flashes.

2. Connect external tap switch to M292's EXP jack with an instrument cable.

3. External tap switch now acts as tap tempo control along with TAP-BEAT switch.

*USING EXTERNAL TAP SWITCH TO CONTROL TEMPO & TAP-BEAT SWITCH TO TOGGLE BETWEEN TWO SETTING CONFIGURATIONS

1. Press & hold TAP-BEAT + BRIGHT + TAP DIV buttons while connecting M292 to power source, then release buttons after LEDs flash.

2. Connect external tap switch to M292's EXP jack with an instrument cable.

3. External tap switch now acts as tap tempo control, and onboard TAP-BEAT switch now toggles between "A" and "B" setting configurations. Previously saved settings will be automatically recalled.

4. To override recalled "A" settings and create a new "A" configuration, adjust DELAY, SPEED, and WIDTH knobs and BRIGHT, TAP DIV, and MOD buttons as desired. Note: MIX and REGEN knobs cannot be controlled with the onboard TAP-BEAT switch.

5. Press onboard TAP-BEAT switch to recall "B" configuration. To override and create a new "B" configuration, adjust knobs and buttons as mentioned above.

6. Onboard TAP-BEAT switch now toggles overridden A and B setting configurations.

7. Press & hold TAP-BEAT switch for 2 seconds until all front-panel LEDs flash to save all overridden settings. These new settings will be automatically recalled upon powering up or connecting a cable to M292's EXP jack.

8. If you haven't saved overridden settings, you can return to previously saved settings by power cycling pedal or disconnecting the cable from EXP jack for 2 seconds and then reconnecting it.

9. "A" or "B" delay time can be temporarily changed by tapping a new delay time with external tap switch. NOTE: Selected TAP DIV setting will apply. Toggling settings with onboard TAP-BEAT switch automatically erases temporary tapped-in delay time and recalls saved or overridden settings. Before toggling settings, the newly tapped in delay time can be saved by holding TAP-BEAT switch for 2 seconds until all front panel LEDs flash. This will also save any overridden "A" and "B" settings.

*USING EXTERNAL TAP SWITCH TO TOGGLE BETWEEN TWO SETTING CONFIGURATIONS

1. Press and hold BRIGHT + TAP DIV + MOD buttons while connecting M292 to power source, then release buttons after LEDs flash.

2. Connect external tap switch to M292's EXP jack with an instrument cable.

3. External tap switch now toggles between A and B setting configurations. Previously saved settings will be automatically recalled, whether set by expression pedal or by external tap switch.

4. To override recalled A settings and create a new A configuration, adjust DELAY, SPEED, and WIDTH knobs and BRIGHT, TAP DIV, and MOD buttons as desired. Note: MIX and REGEN knobs cannot be controlled with external tap switch.

5. Press external tap switch to recall B configuration. To override and create a new "B" configuration, adjust knobs and buttons as mentioned above.

6. External tap switch now toggles overridden A and B setting configurations.

7. Press & hold TAP-BEAT switch for 2 seconds until all front-panel LEDs flash to save all overridden settings. These new settings will be automatically recalled upon power up or connecting an instrument cable to M292's EXP jack.

8. If you haven't saved overridden settings, you can return to previously saved settings by power cycling pedal or disconnecting the instrument cable from EXP jack for 2 seconds and then reconnecting it.

9. A or B delay time can be temporarily changed by tapping a new delay time with TAP-BEAT switch. NOTE: Selected TAP DIV setting will apply. Toggling settings with external tap switch automatically erases tapped-in delay time and recall saved or overridden settings. Before toggling settings, the newly tapped in delay time can be saved by holding TAP-BEAT switch for 2 seconds until all front panel LEDs flash. This will also save all overridden A and B settings.

USING A EXTERNAL TAP SWITCH TO CONTROL BRIGHT BUTTON

1. Press and hold BRIGHT button while connecting M292 to power source, then release button after BRIGHT LED flashes.

2. Connect external tap switch to EXP jack with an instrument cable.

3. External tap switch now controls BRIGHT button.

USING A EXTERNAL TAP SWITCH TO CONTROL TAP DIV BUTTON

1. Press and hold TAP DIV button while connecting M292 to power source, then release button after TAP DIV LED display flashes.

2. Connect external tap switch to EXP jack with an instrument cable.

3. External tap switch now controls TAP DIV button.

Advanced Operation (cont.)

USING A EXTERNAL TAP SWITCH TO TOGGLE MOD BUTTON

1. Connect external tap switch to EXP jack with an instrument cable.

2. Press and hold MOD button while connecting M292 to power source, then release button after MOD LED flashes.

3. External tap switch now controls MOD button.

METRONOME IN/OUT FUNCTIONS FOR MULTIPLE DEVICES

1. Program a positive pulse signal metronome master OUT by holding down TAP DIV + BRIGHT buttons while connecting master M292 to power source, then release buttons after LEDs flash.

2. Program a positive pulse signal metronome slave IN by holding TAP-BEAT + BRIGHT buttons while connecting slave M292 to power source, then release button after LEDs flashes.

3. Connect devices via EXP jack with an instrument cable.

4. TAP-BEAT switch or DELAY knob on master M292 controls tempo beat of both devices. TAP DIV on master M292 has no effect on metronome master OUT tempo.

5. TAP-BEAT switch on slave M292 selects the TAP DIV used to divide master tempo beat. Delay knob on slave M292 is disabled.

ADJUSTING BRIGHTNESS OF TAP DIV DISPLAY & TAP-BEAT LED

1. Press & hold TAP-BEAT & TAP DIV buttons while connecting M292 to power source, then release buttons after LEDs flashes.

2. Observe the flashing TAP DIV LED display brightness level. DELAY knob adjusts brightness from bright to OFF (no flashing).

3. Press TAP DIV button to observe the steady-on TAP DIV LED display brightness level. DELAY knob adjusts brightness from bright to dim.

4. Press TAP DIV button to observe the flashing TAP-BEAT LED brightness level. DELAY knob adjusts brightness from bright to OFF (no flashing).

5. Press TAP DIV button to repeat the cycle. NOTE: A flashing LED set to OFF will flash twice, indicating which LED has been selected.

6. Press TAP-BEAT switch to save brightness settings, or press BRIGHT button to exit without saving.

OVERRIDE SAVED EXPRESSION PEDAL/ TOGGLE SETTINGS WITH CURRENT KNOB & BUTTON SETTINGS

1. Press and hold TAP-BEAT switch for at least two seconds (TAP-BEAT LED restarts blinking if brightness not set to OFF). Continue holding down TAP-BEAT switch while connecting a TRS cable to the EXP jack or MONO cable if EXP jack has been programed to either *TOGGLE SETTINGS function. Release TAP-BEAT switch at least one second after EXP jack connection.

2. Controllable front panel settings now override both saved setting configurations.

Specifications

Input Impedance	1MΩ
Output Impedance	1 kΩ
Maximum Output Level	+8dBV
Noise Floor*	-96 dBV
Delay Time	40ms to 1200ms
Noise Reduction	2:1 ratio
Modulation Speed	0.1 Hz to 10 Hz
Tap Divisions	Dotted 8th, 8th, Triplet, 16th
Bright**	1.5 kHz, +4.5 dB 200 Hz, -3 dB
Bypass	True Hardwire
Current Draw	22 mA*** 44 mA****
Power Supply	DC 9 volts

*A-weighted, MIX control Full CW, REGEN control Full CW, Internal INPUT GAIN to GTR position.
** Delayed Signal
*** All selectable LEDs OFF, Delay control CW to 9 o'clock
****All selectable LEDs ON, Delay control 9 o'clock to CCW