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> [MXR M292 Carbon Copy Deluxe Analog Delay Guitar Effects Pedal User Manual](#)

## MXR M292

# MXR M292 Carbon Copy Deluxe Analog Delay Guitar Effects Pedal User Manual

Model: M292

## INTRODUCTION

The MXR Carbon Copy Deluxe Analog Delay is an advanced guitar effects pedal designed to provide a wide range of warm, organic analog delay sounds. Building upon the acclaimed original Carbon Copy, this Deluxe version offers extended delay time, tap tempo functionality, and enhanced tonal shaping options, making it a versatile tool for guitarists seeking precise control over their delay effects.



Image: Front view of the MXR Carbon Copy Deluxe Analog Delay pedal, showcasing its compact design and control knobs.

## KEY FEATURES

- Extended delay time up to 1.2 seconds.
- Tap tempo functionality for precise rhythm synchronization.
- Tap Division feature with four subdivisions: dotted 8ths, 8ths, triplets, and 16ths.
- Selectable tonal character: original dark, mellow wash or vibrant Bright mode.

- Modulation section with Speed and Width controls for chorusing effects.
- Expression jack for external control of various functions.
- Programmable presets for saving custom settings.
- Internal Line Level/Instrument Level switch for flexible placement in signal chain.
- Internal Dry Kill switch for "wet only" effects, ideal for studio use.
- True bypass switching for signal integrity.
- Rugged construction for durability.

## CONTROLS AND FUNCTIONS

Familiarize yourself with the controls and connections of your Carbon Copy Deluxe pedal:



**Image:** Detailed diagram of the MXR Carbon Copy Deluxe pedal's top panel, showing all controls and their corresponding numbers for reference.

1. **TAP-BEAT Footswitch:** Sets the tempo of repeats. Indicated by an orange LED.
2. **TAP DIV Switch:** Cycles through tap tempo subdivisions (dotted 8ths, 8ths, triplets, 16ths). Indicated by an LED screen.
3. **BRIGHT Switch:** Accentuates high frequencies of the delay signal.
4. **MIX Knob:** Controls the ratio of wet (effected) to dry (unaffected) signal.
5. **REGEN Knob:** Sets the number of repeats (feedback).
6. **DELAY Knob:** Sets the delay time.
7. **EXP Jack:** Connects an expression pedal for external control of various functions.
8. **SPEED Knob:** Controls the rate of modulation effect.
9. **WIDTH Knob:** Sets the depth of modulation effect.
10. **MOD Switch:** Toggles modulation on/off. Indicated by a blue LED.
11. **EFFECT Footswitch:** Toggles the effect on/bypass. Indicated by a blue LED.

## Internal Controls

- **INPUT GAIN Switch:** Optimizes the pedal for use with both guitar and line-level input signals. Located inside the pedal.
- **DRY KILL Switch:** Removes the dry signal from the output mix to provide a 100% wet return for

recording and parallel signal mixing. Located inside the pedal.

## SETUP

### 1. Power Connection:

Connect a 9V DC power adapter (not included, 9V 1500mA recommended) to the POWER jack on the rear of the pedal. The pedal can also be powered by a 9-volt battery (access via the bottom plate).



Image: Rear view of the MXR Carbon Copy Deluxe pedal, showing the input, output, expression, and power jacks.

### 2. Audio Connections:

- Connect your guitar or previous effect pedal to the IN jack on the right side of the pedal.
- Connect the OUT jack on the left side of the pedal to your amplifier or next effect pedal.

### 3. Internal Switch Configuration:

Before connecting, you may wish to adjust the internal INPUT GAIN and DRY KILL switches. To access these, carefully remove the bottom plate of the pedal. Ensure the pedal is disconnected from power before opening.

### 4. Expression Pedal (Optional):

If using an expression pedal for external control, connect it to the EXP jack.

## OPERATING INSTRUCTIONS

### Basic Delay Operation

- Engage the effect by pressing the **EFFECT footswitch** (blue LED illuminates).
- Adjust the **DELAY knob** to set the desired delay time.
- Use the **REGEN knob** to control the number of repeats. Higher settings will result in more repeats.
- The **MIX knob** blends the dry signal with the delayed signal. Set to taste.

## Tap Tempo and Tap Division

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- To set the delay tempo, tap the **TAP-BEAT footswitch** two or more times in rhythm. The orange LED will indicate the set tempo.
- Press the **TAP DIV switch** to cycle through different rhythmic subdivisions: dotted 8ths, 8ths, triplets, and 16ths. The LED screen will display the current subdivision.

## Modulation Effects

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- Press the **MOD switch** to activate or deactivate the modulation effect (blue LED illuminates when active).
- Adjust the **SPEED knob** to control the rate of the modulation.
- Adjust the **WIDTH knob** to control the depth or intensity of the modulation.

## Bright Mode

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- Engage the **BRIGHT switch** to add a brighter, more articulate character to your delay repeats. Disengage for the classic dark, mellow Carbon Copy tone.

## Expression Pedal Control

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- Connect a compatible expression pedal to the EXP jack to dynamically control various parameters (e.g., delay time, modulation speed) in real-time. Refer to the full MXR manual for specific expression pedal assignments and programming.

## Presets

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- The Carbon Copy Deluxe features programmable presets. Consult the comprehensive MXR manual for detailed instructions on how to save, recall, and manage your custom delay settings.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the pedal. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If using battery power, replace the 9V battery when the pedal's performance degrades or the LEDs dim. Access the battery compartment by removing the bottom plate.
- **Connections:** Periodically check all cable connections for tightness and wear.

## TROUBLESHOOTING

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- **No Sound/Weak Signal:**
  - Ensure all cables are securely connected to the correct input/output jacks.
  - Verify the power supply is properly connected and functioning. If using a battery, check its charge.
  - Check the MIX knob setting; if set to full wet (no dry signal), you might not hear your guitar directly.
  - Ensure the EFFECT footswitch is engaged (blue LED on).
  - If using the internal DRY KILL switch, ensure it is set appropriately for your setup.

- **Unwanted Noise/Hum:**

- Use a high-quality, regulated 9V DC power supply.
  - Ensure all audio cables are shielded and in good condition.
  - Try isolating the pedal from other power sources or noisy equipment.
- **Delay Not Syncing with Tap Tempo:**
    - Ensure you are tapping the TAP-BEAT footswitch consistently and at least twice.
    - Check the TAP DIV setting to ensure the correct subdivision is selected.

## SPECIFICATIONS

<b>Item Weight</b>	1.05 pounds (476 Grams)
<b>Package Dimensions</b>	8 x 7.5 x 4 inches
<b>Model Number</b>	M292-TBB-2
<b>Signal Format</b>	Analog
<b>Power Source</b>	Battery Powered, Corded Electric
<b>Voltage</b>	9 Volts
<b>Amperage</b>	16 Amps
<b>Style</b>	Compact
<b>Delay Time</b>	Up to 1.2 seconds

## WARRANTY INFORMATION

This product is covered by the manufacturer's standard warranty. Please refer to the warranty card included with your purchase or visit the official MXR website for detailed warranty terms and conditions. Keep your proof of purchase for any warranty claims.

## SUPPORT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact MXR customer support. Contact information can typically be found on the manufacturer's website or in the packaging materials.

**Online Resources:** For the most up-to-date information, FAQs, and additional resources, please visit the official MXR website.