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MOOER D7 X2

MOOER Delay D7 X2 Guitar Effects Pedal User Manual

Model: D7 X2

1. Introduction

The MOOER Delay D7 X2 is a versatile stereo delay effects pedal designed for guitarists seeking a wide range of delay sounds. It features 14 distinct delay types, from classic analog and tape emulations to modern and experimental effects. This manual provides detailed instructions for setting up, operating, and maintaining your D7 X2 pedal to ensure optimal performance.



Image 1.1: The MOOER Delay D7 X2 pedal, showcasing its capability for 14 stereo delay effects.

2. Product Features

- **14 Built-in Stereo Delay Effects:** Offers a diverse palette of delay sounds, including classic analog, tape, digital, and unique experimental types like Low-Bit, Galaxy, and PingPong.
- **Adjustable Parameters:** Dedicated Tweak 1 and Tweak 2 knobs allow customization of specific parameters for each delay effect. Additional controls for MIX, TIME, and FEEDBACK provide further sound shaping.
- **Tap-Tempo Support:** The TAP footswitch enables easy and precise adjustment of delay timing on the fly.

- **7 Dual-Color LED Indicators:** Visually indicates the currently selected delay type and other operational statuses.
- **Trail On Function:** Allows delay effects to naturally fade out after the pedal is bypassed, preventing abrupt cuts.

3. Setup

3.1 Power Connection

Connect a 9V DC power adapter (center negative, 300mA minimum) to the DC 9V input jack on the top of the pedal. Ensure the power supply meets these specifications to prevent damage.



Image 3.1: Rear view of the pedal, highlighting the 9V DC power input.

3.2 Audio Connections

The D7 X2 supports stereo input and output. Connect your guitar or preceding effects pedal to the INPUT L (MONO) and R jacks. Connect the OUTPUT L (MONO) and R jacks to your amplifier, mixer, or subsequent effects pedals.

- **Input:** Use the L (MONO) input for mono signal. Use both L and R inputs for stereo signal.
- **Output:** Use the L (MONO) output for mono signal. Use both L and R outputs for stereo signal.



Image 3.2: The Delay D7 X2 pedal connected with standard 1/4 inch audio cables.



Image 3.3: Side view of the pedal, illustrating the stereo output jacks.

4. Operating Instructions

4.1 Controls Overview





Image 4.1: Front panel of the MOOER Delay D7 X2 pedal.

- **TWEAK 1 Knob:** Adjusts a specific parameter for the selected delay effect.
- **TWEAK 2 Knob:** Adjusts another specific parameter for the selected delay effect.
- **MIX Knob:** Controls the blend between the dry (unaffected) and wet (effected) signals.
- **TIME Knob:** Adjusts the delay time.
- **F.B Knob:** Adjusts the feedback level of the delay, controlling the number of repeats.
- **SAVE Button:** Press to save current settings as a preset.
- **TAP Footswitch:** Used for tap tempo functionality and cycling through delay types.
- **BYPASS Footswitch:** Engages or disengages the effect. Also used for cycling through delay types.
- **LED Indicators (1-7):** Display the currently selected delay type and other status information.

4.2 Selecting Delay Types

The D7 X2 offers 14 delay types, organized into two banks (Yellow and Purple), each with 7 types. To cycle through the delay types:

1. Press the **TAP** footswitch to move to the next delay type within the current bank.
2. Press the **BYPASS** footswitch to move to the previous delay type within the current bank.
3. To switch between the Yellow and Purple banks, simultaneously press and hold both the **TAP** and **BYPASS** footswitches for approximately 1 second. The LED indicators will change color to reflect the active bank.

4.3 Adjusting Parameters

Once a delay type is selected, use the TWEAK 1, TWEAK 2, MIX, TIME, and F.B knobs to fine-tune the effect. The specific function of TWEAK 1 and TWEAK 2 varies depending on the selected delay type.



Image 4.2: Adjusting a parameter knob on the pedal.

4.4 Saving Presets

The D7 X2 allows you to save your customized settings as presets. To save a preset:

1. Adjust the knobs to achieve your desired delay sound.
2. Press the **SAVE** button. The LED indicators will flash to confirm the save operation.



Image 4.3: Pressing the SAVE button to store current settings.

4.5 Tap Tempo

To set the delay time using tap tempo, repeatedly press the**TAP** footswitch at your desired tempo. The pedal will automatically calculate and apply the corresponding delay time.

4.6 Trail On Function

When the Trail On function is active, the delay repeats will naturally decay even after the pedal is bypassed. This prevents an abrupt cut-off of the delay tail. Refer to the full manual (if available from MOOER) for instructions on how to activate/deactivate this function, as it is typically a global setting.

5. Delay Types

The MOOER Delay D7 X2 offers 14 distinct delay algorithms. The specific parameters controlled by TWEAK 1 and TWEAK 2 will vary for each type.



Image 5.1: Overview of the 14 delay types.

Yellow Bank (LEDs 1-7)

- **1. Digital:** Clean, precise delay repeats.
- **2. Analog:** Warm, slightly decaying repeats characteristic of analog delays.
- **3. Tape:** Emulates the flutter and degradation of vintage tape echo units.
- **4. Dynamic:** Delay level responds to playing dynamics.
- **5. Liquid:** Smooth, flowing delay with modulation.
- **6. Mod:** Delay with noticeable modulation on the repeats.
- **7. Mod-Verse:** Reverse delay with modulation.

Purple Bank (LEDs 1-7)

- **1. Galaxy:** Expansive, ethereal delay sounds.
- **2. Dual:** Two independent delay lines for complex rhythmic patterns.
- **3. PingPong:** Repeats bounce between left and right stereo channels.
- **4. Crystal:** Shimmering, high-pitched repeats.
- **5. Rainbow:** Multi-layered, colorful delay effects.
- **6. Low-Bit:** Degraded, lo-fi delay repeats.
- **7. Fuzz:** Delay repeats with added fuzz/distortion.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the pedal. Avoid abrasive cleaners or solvents.
- **Power Supply:** Always use a regulated 9V DC, center-negative power supply with a minimum of 300mA. Incorrect power supplies can damage the unit and void the warranty.
- **Environment:** Store and operate the pedal in a dry environment, away from extreme temperatures, direct sunlight, and high humidity.
- **Connections:** Ensure all cables are securely connected. Periodically check cables for wear and tear.

7. Troubleshooting

7.1 No Sound or Weak Signal

- **Check Power:** Ensure the pedal is receiving proper 9V DC power and the power adapter is functioning correctly.
- **Cable Connections:** Verify all input and output cables are securely connected and not damaged.
- **Bypass Status:** Ensure the pedal is engaged (BYPASS footswitch LED is on).
- **MIX Knob:** Check the MIX knob setting. If set too low, the effect may be inaudible.

7.2 Unexpected Noise or Hum

- **Power Supply:** Use a high-quality, isolated power supply to minimize noise. Daisy-chaining power with other pedals can introduce hum.
- **Cable Shielding:** Ensure all audio cables are properly shielded.
- **Ground Loops:** If using multiple pedals, check for potential ground loop issues.

7.3 Delay Not Responding to Tap Tempo

- **Consistent Tapping:** Ensure you are tapping the footswitch consistently and clearly.
- **Firmware:** Check the MOOER website for any available firmware updates that might address operational issues.

7.4 Pedal Freezes or Behaves Erratically

- **Power Cycle:** Disconnect and reconnect the power supply to reset the pedal.
- **Factory Reset:** Refer to the official MOOER documentation for instructions on performing a factory reset, if necessary.

8. Specifications

Model Number	M722
Item Weight	16 ounces (approx. 453g)
Product Dimensions	2.95 x 4.53 x 1.3 inches (7.5 x 11.5 x 3.3 cm)
Connector Type	1/4 inch (6.35mm) audio jack
Signal Format	Analog
Power Source	AC Adapter or DC Power Supply
Voltage	9 Volts DC
Amperage	300 Milliamps (minimum)

9. Warranty and Support

For warranty information, technical support, or service inquiries, please contact MOOER customer support directly or visit the official MOOER website. Keep your purchase receipt as proof of purchase for warranty claims.

10. Official Product Videos

No official product videos from the seller were found based on the provided product data.

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