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**MOOER M728**

# Mooer Drummer X2 Drum Machine

USER MANUAL

## 1. Introduction

The Mooer Drummer X2 is a compact and powerful drum machine pedal designed for musicians seeking a versatile and portable rhythm solution. It provides a wide array of drum patterns and styles, allowing users to practice, compose, and perform with a virtual drummer at their fingertips.

## 2. Key Features

- Integrated drum machine for a personal drum kit experience.
- EQ control with two footswitches to select from 7 different drum kits.
- Features 11 distinct music types.
- Offers 11 groove variations.
- A total of 121 unique rhythms available.
- 7 chainable memory slots for custom sequences.
- FILL function for instant rhythm variations.
- TAP TEMPO function for on-the-fly tempo adjustments.
- Compatible with external footswitch controllers.
- Includes editing software for PC and Mac for importing and exporting patterns.

## 3. Setup

Before operating your Mooer Drummer X2, ensure all connections are made correctly. The device requires a 9V DC power supply with a current draw of 128mA. Use standard 1/4" audio cables for input and output connections.

### 3.1 Power Connection

Connect a 9V DC power adapter (center negative) to the DC IN jack located at the rear of the unit. Ensure the power supply meets the specified voltage and current requirements to prevent damage.




**Figure 3.1:** Rear view of the Drummer X2, highlighting the USB port and the 9V DC power input jack. This is where you connect the power adapter and a USB cable for computer connectivity.

### 3.2 Audio Connections

Connect your instrument or audio source to the L (MONO) input jack using a 1/4" TS cable. For output, connect the L (MONO) output jack to your amplifier, mixer, or audio interface. If using a stereo setup, connect both L (MONO) and R output jacks.

### 3.3 External Control Connection

The EXT CTRL jack allows for connection of an external footswitch controller, expanding the control options for the Drummer X2. Refer to your external footswitch manual for specific connection and configuration details.




**Figure 3.2:** Angled view of the Drummer X2, illustrating the L (MONO) and R output jacks, and the EXT CTRL port. These ports are used for audio output and connecting an external controller.

### 3.4 USB Connection

The USB port on the rear of the unit allows connection to a computer (PC or Mac) for use with the dedicated editing software. This software enables advanced pattern management, import, and export functionalities.

## 4. Operating Instructions

The Mooer Drummer X2 features intuitive controls for easy operation. Familiarize yourself with the knobs and footswitches to fully utilize its capabilities.




**Figure 4.1:** Front view of the Drummer X2, displaying the EQ, Speed, Level, Genre, and Pattern knobs, along with the SAVE button and the PLAY/STOP and TAP/FILL footswitches.

### 4.1 Controls Overview

- **EQ Knob:** Adjusts the equalization of the drum sound.
- **Speed Knob:** Controls the tempo of the drum pattern (BPM).
- **Level Knob:** Adjusts the overall output volume of the drum machine.
- **Genre Knob:** Selects from 11 different music genres/styles.
- **Pattern Knob:** Selects from 11 groove variations within the chosen genre.
- **SAVE Button:** Press to save your current settings or sequence to one of the 7 memory slots.
- **PLAY/STOP Footswitch:** Toggles playback of the drum pattern on or off.
- **TAP/FILL Footswitch:**
    - Tap repeatedly to set the tempo (TAP TEMPO function).
    - Press and hold during playback to trigger a drum fill (FILL function).
- **MODE Switch:** (Located between footswitches) Toggles between different operational modes, such as pattern

selection or memory recall.

### 4.2 Selecting Rhythms and Genres

Turn the **Genre** knob to select one of the 11 available music types. Once a genre is selected, use the **Pattern** knob to choose from 11 different groove variations within that genre. This combination provides access to a total of 121 distinct rhythms.

### 4.3 Using Memory Slots

The Drummer X2 features 7 memory slots, allowing you to save your favorite rhythm combinations and settings. These memories can be chained together to create longer sequences. To save, adjust your desired settings, then press the **SAVE** button. Follow the on-screen indicators (if any) or refer to the full manual for specific saving procedures.

### 4.4 Software Integration

For advanced users, the included editing software (compatible with PC and Mac) provides comprehensive control over patterns. Connect the Drummer X2 via USB to your computer to import new rhythms, export custom creations, and manage your drum machine's library.

## 5. Maintenance

To ensure the longevity and optimal performance of your Mooer Drummer X2, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and internal components.
- **Storage:** When not in use for extended periods, store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the unit with care. Avoid dropping it or subjecting it to strong impacts, which can damage internal circuitry or external controls.
- **Power Supply:** Always use the correct power supply (9V DC, center negative) to prevent electrical damage. Disconnect power when not in use.

## 6. Troubleshooting

If you encounter issues with your Mooer Drummer X2, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| No sound output. | Incorrect power connection.<br>Incorrect audio cable connection.<br>Volume (Level) knob set too low.<br>Amplifier/mixer volume too low. | Ensure 9V DC power supply is correctly connected and functional.<br>Verify all 1/4" audio cables are securely connected to the correct input/output jacks.<br>Increase the Level knob on the Drummer X2.<br>Check the volume settings on your amplifier or mixer. |
| Drum pattern not playing. | PLAY/STOP footswitch not engaged.<br>Tempo (Speed) knob set to minimum. | Press the PLAY/STOP footswitch to start playback.<br>Adjust the Speed knob to a desired tempo. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Cannot save settings. | Incorrect saving procedure. | Ensure you are following the correct steps for saving to memory slots. Refer to the detailed product manual if available. |

## 7. Specifications

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|---|---|
| **Model Number** | M728 |
| **Dimensions (L x W x H)** | 29.21 x 2.79 x 14.73 cm |
| **Weight** | 28.3 g |
| **Body Material** | Metal |
| **Connectivity Type** | 1/4" Audio Connector |
| **Hardware Interface** | 1/4 inch Audio, USB |
| **Signal Format** | Analog |
| **Power Type** | Battery powered (via adapter) |
| **Voltage** | 9 Volts |
| **Amperage** | 128 mA |
| **Audio Output Effects** | Selection of different drum kits and basic EQ control |
| **Control Type** | Push button, Rotary knobs, Footswitches |
| **Manufacturer** | Mooer |
| **Country of Origin** | China |

## 8. Warranty and Support

Information regarding the specific warranty period and support contacts for the Mooer Drummer X2 is not available in this document. For detailed warranty terms, technical support, or service inquiries, please refer to the official Mooer website or contact your authorized dealer. Keep your proof of purchase for warranty claims.
You may also find additional resources and software updates on the Mooer Audio official website.

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