

# **DRUM MACHINE PEDAL**

Owner's Manual

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# **PRECAUTIONS**

### \*Pleasereadcarefullybeforeproceeding\*

#### **Power Supply**

Please connect the designated AC adapter to an AC outlet of the correct voltage. Please be sure to use only an AC adapter which supplies  $\bigoplus \bigoplus \bigoplus$  9y DC, 300mA, center negative. Unplug the AC power adapter when not in use or during electrical storms. Please only use the original power supply included with your device.

#### Connections

Always turn off the power of this and all other equipment before connecting or disconnecting, this will help prevent malfunction and / or damage to other devices. Also make sure to disconnect all connection cables and the power cord before moving this unit.

### Cleaning

Clean only with a soft, dry cloth. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, cleaning alcohol, paint thinners, wax, solvents, cleaning fluids, or chemical-impregnated wiping cloths. Interference with other electrical devices Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

#### Location

To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:

- Direct sunlight Magnetic fields
   Extreme temperature or humidity
- Excessive dusty or dirty location
   High humidity or moisture
- Heat sources
- Strong vibrations or shocks

### FCC certification

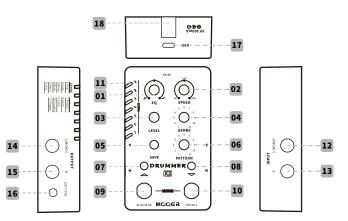
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

## **Features**

- 11 different music types, 11 different rhythm types for each
- 11 customized song banks for play
- Each song bank has 7 customized rhythm slots, switched via a footswitch
- FILL function for adding variation during play TAP TEMPO function for speed setting
- Support external footswitch control
- Specialized editor software for preset management, firmware update

# Layout



### 1.EQ:

Adjust the EQ of the drum machine quickly while switching between different device. 12 o clock position for EQ Off. The left part of EQ for low cut, for cutting the bass frequency while connecting to FRFR device; the right part of EQ for treble frequency enhancing, for enhancing the treble while connecting to non-FRFR device (instrument amplifier).

#### 2.SPEED:

Adjust the speed of drum machine, ranges from 40 bpm to 260 bpm,  $12 \circ \text{clock}$  position for 120 bpm; speed is set to global speed control as default, 1-7 slots will be set to the same speed. Or you can set the speed as preset mode, as each slot has its own different preset speed.

### 3.LEVEL:

Control the volume level of drum machine

### 4.GENRE:

Control the style of drum machine, up to 11 different styles.

#### 5.SAVE:

Press to switch between 1-7 saving slots. Press and hold the SAVE to store the groove style into current slot.

#### 6.PATTERN:

Select the rhythm type of current groove style, up to 11 different rhythm types.

### 7.Left footswitch LED:

 $Indicate the status\ of\ drum\ machine; On\ for\ pedal\ On;\ Off\ for\ pedal\ Off;\ Blue\ for\ drum\ machine\ running\ normally;\ RED\ for\ drum\ machine\ with\ FILL\ variation.$ 

### 8. Right footswitch LED:

Right footswitch LED: Blink to indicate the speed of drum machine.

### 9.Left footswitch:

Press to play/stop the drum machine in the normal mode; press to scroll up in the preset slots in the preset select mode.

### 10. Right footswitch:

When the drum machine is stopped, press the right footswitch for several times to set up a speed via TAP TEMPO function. When the drum machine is playing, press right footswitch to add variation; press to scroll down in the preset slots in the preset select mode.

### 11. Saving slot indicator:

Indicate the current selected preset slot. The color of the LED indicator shows the current selected song bank. You can press and hold the right footswitch to save the setting into the current slot. Rotate the GENRE to switch between 11 different song banks.

### 12.INPUT L (MONO):

 $\frac{1}{4}$ " mono (TS) audio jack. Please use it for mono setup. (The left input of the stereo setup)

#### 13.INPUTR:

1/4" mono (TS) audio jack. (The right input of the stereo setup)

## 14.OUTPUT L (MONO):

 $\frac{1}{2}$  mono (TS) audio jack. Please use it for mono setup. (The left output of the stereo setup)

### 15.OUTPUT R:

1/4" mono (TS) audio jack. (The right output of the stereo setup)

Notes: The sound track of Drummer x2 is not stereo (The left output and right output of tracks are the same). The dual input/output design is for connecting with external stereo device.

### 16.EXT CTRL:

1/8" TRS jack, for connecting to external treble-footswitch control pedal. (Need to purchase separately)

### 17.USB-C port:

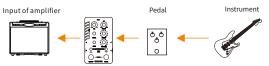
Connect to computer for data transferring or firmware update.

#### 18.DC IN:

Connect to 9V and at least 300mA current draw (center negative) power supply. Original power supply is recommended to avoid unexpected noise.

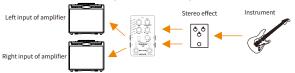
## Connection

### 1, Connect to instrument amplifier (mono setup)



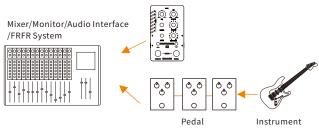
Recommend to put the pedal to the last position of the effect chain to avoid unexpected effect for the tone of drum machine from the other device.

### 2. Connect to instrument amplifier (stereo setup)



The sound track of Drummer x2 is not stereo (The left output and right output of tracks are the same). The dual input/output design is for connecting with external stereo device.

### 3. Connect to FRFR device (parallel setup)



Setup for FRFR device via parallel setup. Drummer X2 does not need to be linked into the effect chain, it can connect to the FRFR device (mixer, audio interface, FRFR amplifier etc.) directly for use.

## Instructions

### 1. Preparation

- \* Connect power cord to the device, set up your instrument, amplifier, and effects.
- \* Adjust the EQ to 12 o'clock position.
- \* Adjust the LEVEL to the minimum position.
- \* Press the PLAY/STOP footswitch to start the drum machine.

Now the DRUMMER X2 is set to a "standard" status. Based on this standard status, you can start to explore and find the best result via adjustment.

#### 2. Basic Functions

#### Play/Stop:

Press the left footswitch (PLAY/STOP) to start/stop drum machine.

Notes: The drum machine is set to OUTRO STOP mode as default, the variation will be added before the drum machine stops. Or you can refer to the manual to turn off the OUTRO STOP function.

#### Add variation manually (Fill):

DRUMMER X2 has 121 different rhythm grooves, each of them has a unique variation (Fill). The variation will not be activated during normal playing. Press right footswitch (TAP//FILL) during drum machine playing to add variation (Fill), after the variation finishes, the drum machine will go back to the main rhythm for play.

Notes: Details of the variation. You can add the variation in any beat of any bar during drum machine is playing. The playing timing of variation depends on the adding timing. For example, in 4/4 rhythm type, add variation in the second beat of any bar. then the current bar will be 1 beat of main rhythm and 3 beats of variation (Fill). If you would like to add the variation (Fill) after the time that ¾ bar is complete, the variation will be added to the next bar for play.

#### **Speed Adjustment:**

There are four different methods to set up the speed of drum machine:

- 1. Speed knob. Rotate the SPEED knob to adjust the speed, the 12 o'clock position for 120 bpm, the speed ranges from 40 to 260 bpm.
- Tap tempo. When the drum machine is stopped, press the right footswitch for more than 3 times to set up the speed;
- 3. External footswitch. User can set up the speed by TAP TEMPO function using the external footswitch. Press the far-right footswitch for more than 3 times to set up the speed properly.
- Editor software. User can edit the speed of drum machine via the editor software directly through typing a number for the BPM.

#### Speed Mode:

The speed mode is set to global as default, in other word, if the speed of one slot changes, all the speed of slots will sync with the changed slot. You can set up individual speed for each slot as well. Please follow the instructions below to set individual speed:

Method 1: Power off the device, press and hold the right footswitch while powering on the device. The LED of right footswitch will blink in RED for PARTS mode. Repeat the procedure, the LED of right footswitch will blink in BLUE for GLOBAL mode.

 $Method\ 2: Editor\ software.\ You\ can change\ the\ speed\ mode\ directly\ via\ editor\ software\ through\ selecting\ the\ GLOBAL/PARTS\ in\ the\ speed\ menu.$ 

## 3. Saving

DRUMMER X2 has 11 banks for saving. Each bank can be seen as a song, and the slots inside it are the different parts of the song. User can save different rhythm types in different slots for use during performance. The 1-7 LED indicator shows current selected slot.

You can select rhythm type via the GENRE and PATTERN knob. Press and hold the SAVE to confirm saving.

Notes: Those rhythm type which is store in the global speed mode, can also be saved into the slots in the individual mode.

#### 4. Switch Slots

DRUMMER X2 has 11 banks. You can switch between the slots in the same bank via the instructions below:

Method 1: Press the SAVE button to scroll through the slots from the top to the bottom.

Method 2: Press both footswitches simultaneously to enter slot switching mode. Press left/right footswitch to scroll up/down between the slots.

Method 3: Utilize the external footswitch to switch slots directly. Please refer to the external footswitch part for detailed information.

Notes: If you switch slots during the current slot is playing, the switching will happen after current bar finishes rather than switching immediately.

#### 5. OUTRO STOP

DRUMMER X2 has two different STOP mode. It is set to OUTRO STOP mode as factory setting. In this mode, the drum machine will add a part of variation before complete stop to get better experience of ending. You can turn off the OUTRO STOP manually by following the instructions below:

Power off the device, press and hold the left footswitch while powering on the pedal. The LED of left footswitch will blink in BLUE for OUTRO STOP Off; you can repeat those procedure again to turn the OUTRO STOP On, the LED of left footswitch will blink in RED.

### 6. Switching Banks

The device has 11 different banks for use. Follow the instructions below for bank switching: Stop the drum machine, press and hold the right footswitch while rotating the GENRE knob, the number of GENRE parameter indicates current selected bank. The color of 1-7 indicator will change correspondingly while switching to different bank.

#### 7. External Footswitch

The DRUMMER X2 support external footswitch for control expansion. Please use the treble footswitch conne ct to the EXT CTRL jack via TRS cable.

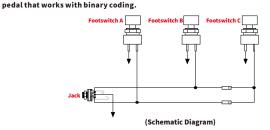


You can switch slots, set up speed via Tap Tempo in any mode through the external footswitch.



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(外接三踝钉功能) Notes: It is recommended to use the TC Helicon SWITCH 3 or DIGITECH FS3X, or any treble footswitch



#### 8. Factory Reset

Power Off the LOOPER X2, then press and hold SAVE button. Then power on the unit to reset it to factory set tings. All data will be cleared after factory reset.

### 9. Firmware Update (Enter update mode manually)

You can connect DRUMMER X2 to a computer with the editor software installed to update the firmware. Connect the unit to a computer and select firmware update in the software, the unit will then be booted to update mode. The instructions below are for booting to update mode manually:

- Power Off the DRUMMER X2 then press and hold both footswitches
- Power On the DRUMMER X2
   The 1-71 ED indicators will blink chro
- $\bullet \quad \text{The 1-7 LED indicators will blink chromatically to indicate booting to update mode} \\$
- Connect to a computer via USB cable
- Open the editor software and the update window will pop up
- Click on START to begin theupdate. Do not stop or power off your DRUMMER X2 or your computer while the firmware is being updated. The update should only take a few minutes.

# **MOOER Studio for DRUMMER X2 Editor Software**

MOOER STUDIO for DRUMMER X2 is the specialized editor software. Users can manage audio files and presets as well as perform firmware update via the software. Please enter <a href="https://www.mooeraudio.com">www.mooeraudio.com</a> SUPPORT -> DOWNLOAD for software downloads.

### **System Requirements**

Win: Windows 10 or higher Mac: Mac OS 10.15 or higher

### Connection

- 1. Connect DRUMMER X2 to a computer via the USB cable in the package
- 2. Power on the unit
- 3. Open the editor software and click the CONNECT button at the top
- CONNECTED will be displayed.

### Software Interface



- 1. Connection Switch: Click to connect or disconnect to LOOPER X2.
- 2. Language: Click to select between Chinese and English.
- 3. Theme: Click to select between dark mode and light mode.
- 4. Update: Click to update the editor software or firmware update.
- 5. Factory Reset: Click to reset to factory settings.
- 6. Music Style: Select the drum machine music style.
  7. Rhythm Type: Select a rhythm type of the drum machine of current style
- 8. Save: Click to save the changes in the current selected slot.
- 9. Time Signature: Shows the time signature of the current groove.
- 9. Time Signature: Snows the time signature of the current groove.

  10. Bar: Shows the number of bar of the current groove.
- 11. Speed: Shows the speed of current selected groove. User can click it to type a number for the speed; you can set it to GLOBAL/PARTS on the menu right above.
- 12. Editing: Activate for multi-selection function, you can select and manage multiple files at the same time.
- 13. Local List: The song list setting files in the computer. You can drag the file from computer to the DRUMMER X2 directly; or you can drag the file from DRUMMER X2 to computer area.
- 14. Song List: It is listed by song banks. Rotate the mouse wheel, or drag the sliding block on the right ride to go through the save slots.
- 15. Slots: Slots for each song. (Saving slots)

### Groove Play/Stop

Click on the ICON in the center to PLAY/STOP the drum machine.



### **Switch Slots**

When slot A is playing, click on the PLAY icon of slot B, then it will switch to slot B for playing immediately; click on the slot B (not the icon) directly, the switching to slot B will happen after the slot A is finished.

### Song Preset File Import/Export

### Export

Method 1: Click to select a song in the device list area, drag it to local list area to export it; Method 2: Click on the Edit icon, select multi songs in the device list area, then click on EXP ORT to export them to local list area.

### Import

Method 1: Click to select a song in the local area, drag it to device list area to import it;

Method 2: Click on the Edit icon, select multi song slots in the device list area, then click on IMORT, select file in the pop-up window for importing. If more than one files are select, the files will be import into the selected slot and those following slots in order.

# Drum machine rhythm list

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
1.POP	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	3/4
	10	6/8
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
2.FUNK	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
3.BLUES	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	6/8
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
4.ROCK	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/8
	9	4/4
	10	4/4
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
5.METAL	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
6.JAZZ	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	4/4
	11	2/4

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
7.FUSION	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	7/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
8.PUNK	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	3/4

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
9.LATIN	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	4/4
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
10.	4	4/4
COUNTRY	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8

(GENRE)	(PATTERN)	(TIME SIG)
	1	4/4
	1	4/4
	2	4/4
	3	4/4
11.	4	4/4
REGGAE	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	4/4
	11	2/8

# **Specifications**

Input: 2\*1/4" mono audio input jack (impedance value 1Mohm)

Output: 2\*1/4" mono audio output jack (impedance

value 510 ohm)

**Extended control port:** 1 x 1/8" stereo jack **Num. of saving slot:** 77

Num. of groove: 121

Sampling rate/sampling depth: 44.1kHz/24bit

**Power requirements:** 9V 300mA, center negative (Original power

supply is recommended, to avoid unexpected noise)

**Dimension:** 75mm(D) \* 115mm(W) \* 33mm(H)

Weight: 334g

Accessories: 适配器、USB-C to USB-A数据线、快速指导、

