

# MOOER

## PREAMP MODEL X

### Owner's manual

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# Precautions

## PLEASE READ CAREFULLY BEFORE PROCEEDING

### Power Supply

Please connect the designated AC adapter to an AC outlet of the correct voltage. Be sure to only use an AC adapter which supplies 9V DC, 300mA. Unplug the AC power adapter when not in use or during electrical storms.

### Location

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

- Direct sunlight or other heat sources
- Excessively dusty or dirty locations
- High humidity or moisture
- Magnetic fields
- Strong vibrations or shocks

### Radio Frequency Interference

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

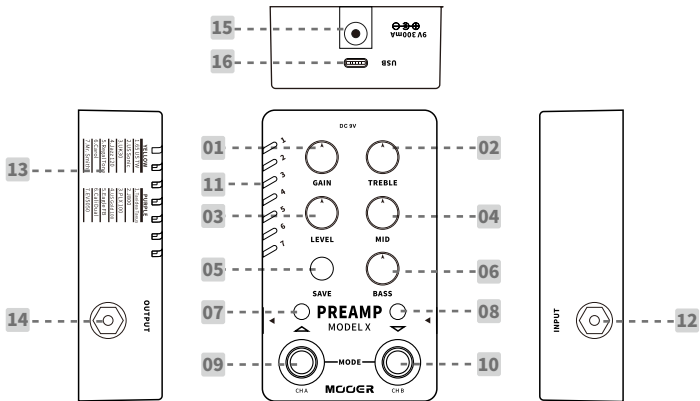
### Cleaning

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.

## Feature

1. Dual-channel digital preamp pedal based on MOOER's unique MNRS sampling technology
2. Includes 14 preset slots that can store two different channel settings each
3. Supports loading GNR and GIR files via MOOER STUDIO to expand your tonal palette
4. Dual-footswitch controls for preset scrolling or A/B channel switching
5. 3 global cabinet simulation files with support for loading third-party impulse response files or GIR files
6. Comes with specialized editor software for preset management, IR loading, and firmware updates

# Top Panel



**1.GAIN:**

Adjust the GAIN level

**2.TREBLE:**

Treble frequency adjustment

**3.LEVEL:**

Volume level adjustment

**4.MID:**

Middle frequency adjustment

**5.SAVE LED Button:**

Press to scroll through the 14 preset slots. Press and hold SAVE to store the currently edited preset. The color of the SAVE LED indicates the cabinet simulation status: BLUE for cab sim off, RED for cab sim on.

**6.BASS:**

Bass frequency adjustment

**7.Left Footswitch LED:**

Indicates the on/off status of channel A. On for channel A on; off for channel A off.

**8.Right Footswitch LED:**

Indicates the on/off status of channel B. On for channel B on; off for channel B off.

**9.CH A Footswitch:**

Press to toggle on/off the channel A in normal mode: press to scroll up the preset slots in preset select mode.

**10.CH B Footswitch:**

Press to toggle on/off channel A in normal mode. Press to scroll down the preset slots while in preset select mode.

**11.Preset Indicator:**

Indicates the currently selected preset slot. BLUE for slots 1-7 and PURPLE for slots 8-14.

**12.INPUT:**

1/4" mono audio input jack.

**13.Preset Model:**

The preamp model of factory setting list.

**14.OUTPUT:**

1/4" mono audio output jack.

**15.DC IN:**

Please use compatible 9V power supply (Center negative, 300mA current draw). Please use the original power supply to avoid unexpected noise or interference.

**16.USB Port:**

Type-C USB port. Please utilize the USB cable included with your device to connect to your computer to manage presets, import/export data files, and firmware updates.



# Recommend Setup

## Connect to Power Amplifier

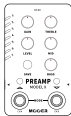
The RETURN of amplifier/  
power amplifier



Post-Effect



preamp model x on



Pre-Effect

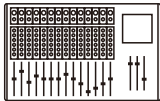


Guitar



## Connect to FRFR (full range flat response) device

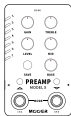
FRFR (full range flat response)  
devices such as a mixer,  
PA system, or audio interface.



Post-Effect



preamp model x off



Pre-Effect



Guitar



# Instructions

## 1. Preset Select:

A. Press SAVE to scroll through preset slots 1-14

B. Press both the CH. A and CH. B footswitches to enter preset select mode. In this mode, you can press CH. A to scroll up through the preset slots or CH.B to scroll down through the preset slots.

## 2. Channel Switch

Preamp Model X has 14 preset slots. Each of them can store 2 different channel settings. In normal mode, press CH. A or CH. B to select the corresponding channel. Only one channel will be activated, and the corresponding footswitch will illuminate. Press the footswitch of the currently selected channel again to bypass the signal and both footswitch LEDs will be off.

**Notes:** You can utilize the Preamp Model X editor software to set up the channel A and channel B.

## 3. Preset Editing & Saving

Rotate the adjustment knobs to edit parameters. The Preset Indicator will blink when the changes of the preset parameters have not been saved.

Press and hold the SAVE button to save changes. The Preset Indicator will blink quickly and then stay on if the save is successful.

**Notes:** The preset setting will not be saved in the situation below

a. Switch to another preset patch before saving.

b. Bypass currently selected channel before saving.

#### **4. Cab Sim On/Off**

Preamp Model X has three global cabinet simulations that can be toggled on/off.

Press the CH. B footswitch and SAVE button simultaneously to turn cab sim on/off. When cab sim is on, the SAVE button LED will turn RED. When cab sim is off, the SAVE button LED will turn BLUE.

You can utilize the Preamp Model X editor software to select from three different cab sim files, or load your own third party IR/GIR cab sim files.

#### **5. Factory Reset**

Unplug the power cord then press and hold the SAVE button while plugging in the power cord to power on the unit. The PRESET LED will start to blink. Release the button and wait for the LED to start blinking to confirm the reset was successful. All presets and imported data files will be clear and set back to factory default settings.

#### **6. Firmware Update (Boot to update mode manually)**

You can update the firmware of the Preamp Model X using the editor software on your computer. You can boot the device to update mode using the footswitches and buttons, or from the editor software. The hardware bootup procedure can be found below or you can refer to the software boot up procedure in the editor software section of this manual.

- \*Power off the device.
- \*Press and hold both footswitches + SAVE button while powering on the device.
- \*The Preset Indicator will blink in different colors as it is boots to update mode.
- \*Connect the device to a computer using a USB cable.
- \*Open the Preamp Model X editor software. The update window will pop up.
- \*Click on START to begin the update. Wait for a few minutes until the update is complete.

## Preamp Model X MOOER Studio

In the editor software, Preamp Model X MOOER Studio, you can manage your preset patches, import GNR amp model sample files, IR/GIR cabinet simulation files, backup presets, and update firmware.

### Download

Visit the official MOOER website ([www.mooeraudio.com](http://www.mooeraudio.com)) and enter the Download page. Find the “Preamp Model X”, select a version according to the OS of your computer and start the download.

OS System Requirement

Windows: Win7 or higher

Mac OS: 10.11 or higher

### Connection

After the installation is complete, connect the Preamp Model X to a computer with the USB cable included with the device. Open the editor software.

If the editor software version does not match that of the firmware version in the device, there will be a firmware update window that pops up. You can update it right away, or you can choose to update it later and open the software directly.

The connection between editor software and the device is set to disconnected by default. You can set up the connection by clicking on the CONNECT button.

## Software Interface



- 1. Connect Button:** Click to connect/disconnect the device to the editor software. Please ensure it is set to CONNECTED while using it with your Preamp Model X.
- 2. Language:** Select from Chinese and English.
- 3. Theme Color:** Select from daylight mode or night mode.
- 4. Update:** Click to update the firmware of the Preamp Model X (It will be updated to the same version as the editor software), or update the editor software (You can check the latest version of the editor software on the MOOER official website).
- 5. Factory Reset:** Click to enter the Factory Reset menu. After the reset is complete, the imported data file and user's edited presets will be cleared and the device will be back to factory default settings.
- 6. Setting:** Click to Backup and Restore.
- 7. Native Preset Area:** Shows the preset files stored in the computer.
- 8. Amp Model Area:** Shows the amp models of the Preamp Model X. You can import/delete GNR files in this area.
- 9. Device Preset Patch:** There are 14 preset slots in the Preamp Model X. Click to select a slot, which will be highlighted. Drag the slot to the native preset area to export the preset and save it to the computer.
- 10. Save:** Click to save the edited parameters of the currently selected preset.
- 11. Channel-A Area:** You can edit the tone of channel A in this area.
- 12. Channel-B Area:** You can edit the tone of channel B in this area.
- 13. Cab Sim Area:** You can turn on/off the cab sim, select cab sim type, and import/delete cab sim file (IR/GIR).

## Instructions

### 1. Preset Management

Export preset files to computer:

Select a preset from the 1-14 slots and drag it to the native preset area to export. After the export is complete, you can find the preset patch in the native preset area.




### Import preset file from computer to device


Select a preset from the native preset area, drag and drop to one the 14 preset slots to complete.

### Name the Exported Preset

Right-click on a preset in the native preset area and select Rename.

## Preset File Location

Click on the icon  on the right of the native preset area to open the target folder of preset files. You can find the .pfs preset file. The preset can be copied and be shared to other users.


You can put the preset files from other users into this folder, then click on the icon  to refresh. The new presets will be found in the native preset area.

Notes: Preset file includes the parameters of the amp model in both channels. The GNR/GIR /IR files are not included.

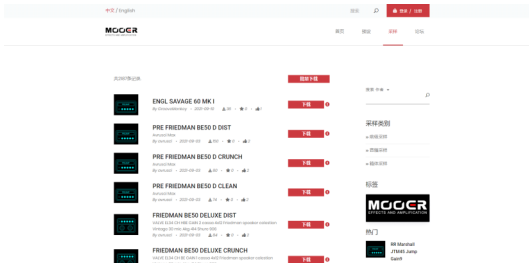
## 2. GNR/GIR sample file

Preamp Model X has 14 factory amp models, each with 2 channels. Apart from that, you can expand your tone by loading amp model/cab sim files created by MNRS technology.

### Download GNR/GIR File

Click on the  icon in the amp model area to jump to the MOOER STUDIO official website ([www.mooerstudio.com](http://www.mooerstudio.com)). It is the official tone sharing platform of MOOER. GNR/GIR sample files created by MOOER and MOOER users are available to download (GNR files are amp models captured by GE Labs, GIR files are the cab sim captured by GE Labs).







Please register an account, log in, and then you can start to search and download sample files in the SAMPLE area.

There are three different kinds of sample files - the preamp sample file, entire amplifier sample file, and cabinet simulation sample file. The preamp sample file and entire sample file are both in GNR format. The preamp sample file is captured from the preamp of an amplifier (named P-XXX.GNR). The entire sample file is captured from the preamp + power-amp + cabinet (named E-XXX.GNR). The cabinet simulation sample is in GIR format (named C-XXX.GIR). IR file is a cabinet simulation file in .wav format.

If you are using the Preamp Model X with a FRFR device, when a preamp sample file is selected, please turn on the cab sim. When the entire sample file is selected, we recommend turning off the cab sim.

### **GNR/GIR/IR Loading**

GNR/GIR/IR file loading: Download the GNR file, select an amp model in the amp model area, and right-click on it or click on  . Select the location of the GNR file in the pop-up window and import the sample file to the target amp model slot.

**GIR/IR Cab Sim File Loading:** Preamp Model X supports loading of GIR files downloaded from MOOER STUDIO, or third-party IR in .wav format for cabinet simulation. Right-click on  a cab sim in the cab sim area or click on , select the location of the GIR/IR file in the pop-up window, and import the cab sim file to the target cab sim slot.




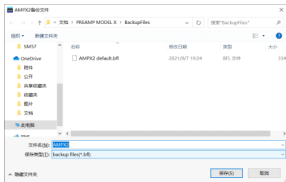
**Notes:** You can import two or more GNR/GIR/IR files at once. Select two or more GNR/GIR/IR files in the pop-up window, then all files will be imported into the device from the target slot and then the slots below until all slots are filled. Extra files will be skipped.


## Delete the imported file:

Select an amp model or cab sim, click on the  to delete the sample file. Then the amp model/cab sim will be back to factory default settings.

## 3. Backup/Restore


**Backup:** Click on the  icon on the top and select BACKUP. Select a location from the pop-up window, name the backup file, and confirm save. Wait a few seconds, then you will receive a backup file in .bfl format.




**Restore:** Click on the  icon on the top and select RESTORE. Select a backup file in the pop-up window and confirm restoring. Wait for a few seconds for the restore to complete.

Notes: the backup file includes the loaded GNR/GIR/IR file and the parameter of preset patches.

## 4. Firmware Update

Click on the  icon on the top and select FIRMWARE UPDATE to enter firmware update mode. Click on START to begin the update. Wait for a few seconds until it is complete.

## 5. Factory Reset

Click on the  icon to enter factory reset menu. Click on YES to confirm reset. Wait for a few seconds until it is complete. After the reset is finished, all the imported GNR/GIR/IR files will be deleted and the preset patches will be set to factory default settings.



## EFFECT LIST

<b>Amp Model List</b>	
<b>1. 65 US TW Clean</b>	Based on Fender® 65 Twin Reverb Clean tone
<b>2. 65 US TW Drive</b>	Based on Fender® 65 Twin Reverb overdrive tone
<b>3. US SONIC Clean</b>	Based on Fender® Super Sonic Clean tone
<b>4. US SONIC Drive</b>	Based on Fender® Super Sonic overdrive tone
<b>5. UK30 Clean</b>	Based on Vox® AC30 Clean tone
<b>6. UK30 Drive</b>	Based on Vox® AC30 overdrive tone
<b>7. JAZZ 120 Clean</b>	Based on Roland® JC-120 Clean tone
<b>8. JAZZ 120 Drive</b>	Based on Roland® JC-120 overdrive tone
<b>9. REGAL TONE Clean</b>	Based on Tone King® Falcon Clean tone

<b>10. REGAL TONE Drive</b>	Based on Tone King® Falcon overdrive tone
<b>11. CAROL Clean</b>	Based on Two Rock® Coral Clean tone
<b>12. CAROL Drive</b>	Based on Two Rock® Coral overdrive tone
<b>13. MR. SMITH Clean</b>	Based on PRS® ARCHON Clean tone
<b>14. MR. SMITH Drive</b>	Based on PRS® ARCHON distortion tone
<b>15. TAXIDEA TAXUS Clean</b>	Based on Suhr® Badger 30 Clean tone
<b>16. TAXIDEA TAXUS Drive</b>	Based on Suhr® Badger 30 distortion tone
<b>17. J800 Clean</b>	Based on Marshall® JCM800 Clean tone
<b>18. J800 Drive</b>	Based on Marshall® JCM800 distortion tone
<b>19. PLX 100 Clean</b>	Based on Marshall® Plexi 100 Clean tone
<b>20. PLX 100 Drive</b>	Based on Marshall® Plexi 100 distortion tone
<b>21. US GOLD 100 Clean</b>	Based on Friedman® BE100 Clean tone
<b>22. US GOLD 100 Drive</b>	Based on Friedman® BE100 distortion tone
<b>23. EAGLE FB Clean</b>	Based on Engl® Fireball 100 Clean tone
<b>24. EAGLE FB Drive</b>	Based on Engl® Fireball 100 distortion tone

<b>25. CALI DUAL Clean</b>	Based on Mesa Boogie® Dual Rectifier BlackFace Clean tone
<b>26. CALI DUAL Drive</b>	Based on Mesa Boogie® Dual Rectifier BlackFace distortion tone
<b>27. EV5050 Clean</b>	Based on EVH® 5150 Clean tone
<b>28. EV5050 Drive</b>	Based on EVH® 5150 distortion tone

<b>Cab Sim List</b>	
<b>1. SONIC 112</b>	Based on Fender® Super Sonic 112
<b>2. US TWN 212</b>	Based on Fender® 65 Twin Reverb 212
<b>3. 1960 412</b>	Based on Marshall® 1960A 412

**\*NOTES:** All product names belong to their owners and are only used in this product and manual as a reference to tone types.

## Specifications

<b>Input:</b>	1*1/4" Monoaural jack (Impedance value: 1M ohms)
<b>Output:</b>	1*1/4" Monoaural jack (Impedance value: 510 ohms)
<b>Num. of Preset Slot:</b>	14
<b>Num. of Factory Amp Model:</b>	28 (Can be replaced by imported GNR file)
<b>Num. of Factory Cab Sim:</b>	3 (Global cab sim, can be replaced by imported GIR/IR file)
<b>IR Spec:</b>	44.1kHz/24bit/1024points
<b>Power supply:</b>	9V DV center negative (Please ensure the voltage value of power supply is not more than 9V, ensure the polarity is correct.)
<b>Current Draw:</b>	300mA
<b>Dimension:</b>	75x115x33mm
<b>Weight:</b>	0.334kg
<b>Accessories:</b>	Owner's manual, USB TYPE-C to TYPE-A cable; DC 9V power supply, sticker.



**MOOER**  
[www.moeraudio.com](http://www.moeraudio.com)

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SHENZHEN MOOER AUDIO CO. LTD  
6F, Unit D, Jinghang Building, Liuxian 3rd Road,  
Bao'an 71 District, Shenzhen, China. 518133  
Made in China