

# MOOER



## Owner's Manual

### Precautions

**\* PLEASE READ CAREFULLY BEFORE PROCEEDING \***

#### 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 9V DC, 300 mA, center minus. Unplug the AC power adapter when not using or during electrical storms.

#### 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.

#### Location

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

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

#### 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.

#### 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.

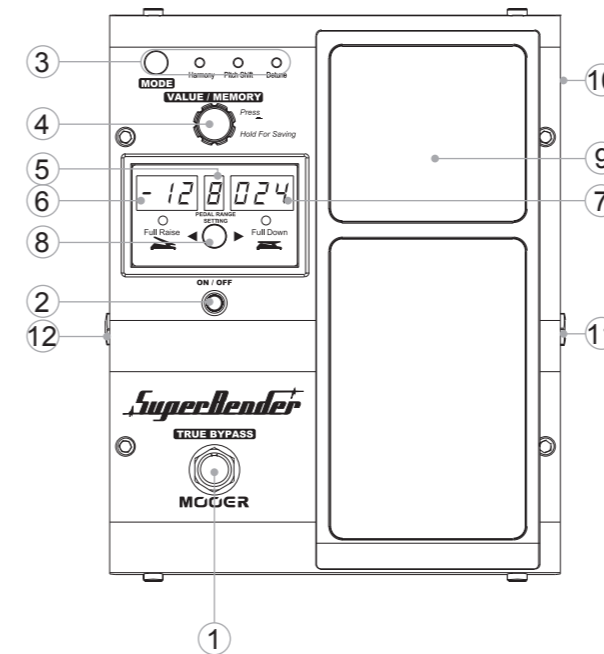
#### Handling

Do not apply excessive force to the switches or controls. Do not let paper, metallic, or other objects into this unit. Take care not to drop the unit, and do not subject it to shock or excessive pressure.

### Main Features

- 3 Pitch Modes: Harmony, Pitch Shift, Detune
- Precise polyphonic pitch shifting
- ±2 oct pitch range
- Pedal journey can be set at will
- Memory function for saving parameters
- Full metal shell
- Heavyduty footswitch
- True Bypass
- AC adapter 9V DC power supply

### Panel Instruction



- 01 TRUE BYPASS Footswitch:** Push down the footswitch to switch between effects and bypass status.
- 02 ON/OFF LED:** Instructs effects or bypass status of Super Bender, when the LED is lit up, the effects is on.
- 03 MODE Select Button and LED:** Press the button to select effect mode, the corresponding LED will be lit up to instruct the current mode.
- 04 VALUE/MEMORY Encoder with Button:** Dial the knob to set pitch range (detune depth range) or change memories. Press the button to switch state or ensure storing. Hold the button to enter store function.
- 05 MEMORY Display:** Instructs the memory position.
- 06 Full Raise Display and LED:** Instructs the pitch range setting value of full raised pedal status. The corresponding LED will be lit up to instruct the current setting state.
- 07 Full Down Display and LED:** Instructs the pitch range setting value of full down pedal status. The corresponding LED will be lit up to instruct the current setting state.
- 08 PEDAL RANGE SETTING Button:** Press the button to select setting object.
- 09 Pedal:** Controls the pitch and detune depth in real-time.
- 10 DC 9V Power Jack:** For power supply, use a 9-volt DC regulated AC adapter, 300mA (plug polarity is positive on the barrel and negative in the center).
- 11 INPUT Jack:** 1/4" mono audio jack, for connecting guitar, bass, keyboard, electronic drum, microphone, or other instruments.
- 12 OUTPUT Jack:** 1/4" mono audio jack, outputs the effects signal.

# Operation

## Basic Using

### 01 Power On

Plug the cable of AC Adapter (9V, 300mA, center negative) into the [DC 9V] Jack will turn the device on.

### 02 Selecting Modes

Press [MODE] button to select effect mode, the corresponding LED will be lit up to instruct the current mode.

### 03 Setting Pedal Range

Press [PEDAL RANGE SETTING] button to select pedal setting status. Choose "Full Raise" to set how much pitch will be bent when the pedal was completely uplifted; choose "Full Down" to set how much pitch will be bent when the pedal was completely pressed down.

Rotate [VALUE/MEMORY] knob to change pitch value (change detune depth in Detune Mode), the setting range is -24 semitones to 24 semitones (001~030 in Detune Mode).

## Memory

### 01 Using Memory

Super Bender has 10 memories for storing all parameters. Press [VALUE/MEMORY] button to switch to Memory state, the memory number (0~9) will appear on the middle display, rotate [VALUE/MEMORY] knob to change memory. When in memory state, press [VALUE/MEMORY] button to exit.

### 02 Storing

Hold [VALUE/MEMORY] button to store a memory, then the memory's number on the middle display will begin to flash, at that time, rotate [VALUE/MEMORY] knob to change patch number, when you got the expectant position, press [VALUE/MEMORY] button again to confirm the memory storing, the memory's number on the display will stop flashing.

## Pedal Reset

The responsivity of the pedal on Super Bender can be reset as necessary. If the effect change seems insufficient when pushing the pedal down, or if the tone changes excessively even when the pedal is only lightly pushed, or if the factual pitch range is not the same as the setting value, adjust the pedal as follows:

- Hold down [TRUE BYPASS] footswitch while power on, the indication "Pedal Reset" will appear on the LED display, and then release the [TRUE BYPASS] footswitch.
- Fully raise the pedal then push the pedal fully down and release it.
- Press [VALUE/MEMORY] button, the indication "Reset Done" will appear on the LED display, the Pedal Reset adjustment is complete, and Super Bender will return to the normal using status. If the indication "Err" is shown, repeat the procedure from step b.

## Factory Reset

Factory Reset function will initialize all setting of Super Bender. All the memories will be erased and overwritten by the presets.

To do the factory reset, conform to the following instructions:

Hold down the [MODE] and [VALUE/MEMORY] button simultaneously while power on, "Factory Reset" will appear on the display and last flashing.

At that time, press [VALUE/MEMORY] button to confirm, "Factory Reset" will be flashing in a faster speed for 2 seconds, then turn to display "Factory Reset" at a steady status for 3 second, then back to the normal state, the factory reset operation have been done.

**Note:** If you want to quit Factory Reset halfway, hold [MODE] button for 2 seconds, then the Factory Reset will be canceled.

## Specification

<b>No. of Effect Types:</b>	3 (Harmony, Pitch Shift, Detune)
<b>Preset Patch Memory:</b>	10 Memories
<b>Guitar Input:</b>	1/4" monaural jack
<b>Input impedance:</b>	1 M ohms
<b>Output:</b>	1/4" monaural jack
<b>Output impedance:</b>	100 ohms
<b>Power requirements:</b>	AC adapter 9V DC, 300 mA (center minus plug)
<b>Dimensions:</b>	210 mm (D) x 161 mm (W) x 63 mm (H)
<b>Weight:</b>	1360 g
<b>Accessories:</b>	Owner's Manual, AC adapter (DC 9V)

## Troubleshooting

### Can not power on

Check power connection.

----- Make sure the power is connected correctly.

Check the adapter.

----- Make sure the adapter is the one supplied with the unit.

### No sound or low volume

Check connection of cables.

----- Make sure all the cables are connected firmly.

Check the volume of guitar and amplifier.

----- Make sure each equipment's volume is set to an appropriate level.

### High noise

Check the adapter.

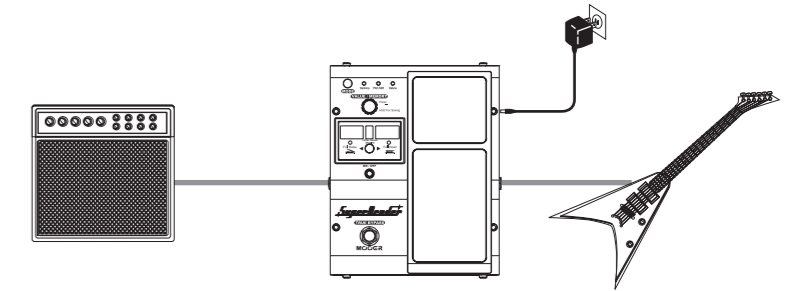
----- Make sure the adapter is the one supplied with the unit.

Check the cables.

----- Make sure the cables are connected firmly and have no quality problem.

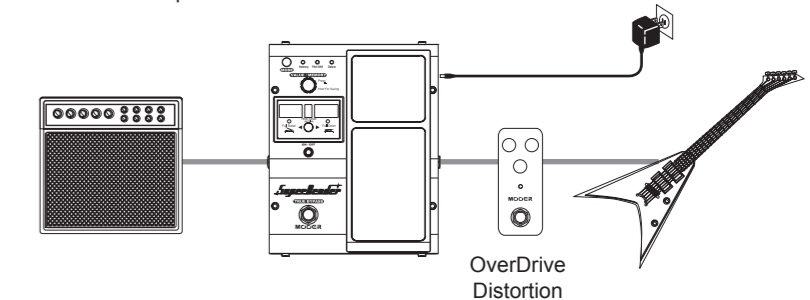
## Connection

### 01 Basic Connection



### 02 Connecting OverDrive or Distortion Effects

If you are using an OverDrive/Distortion pedal, have the device connected in front of Super Bender.



OverDrive  
Distortion

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