

MOOER

PE100

Portable Guitar Effects

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. Please be sure to use only an AC adapter which supplies 9V DC ($\pm 10\%$), $\oplus \ominus$, 300mA, center negative. Unplug the AC power adapter when not in use or during electrical storms.

Connections:

Always turn off the power and all other equipment before connecting or disconnecting.

This will help prevent malfunction and damage to any of the devices. Make sure to unplug all connection cables and power cords before moving this unit.

Location:

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

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

Interference with other electrical devices and Cleaning:

Radios and televisions placed nearby may experience reception interference.

Operate this unit at a suitable distance from radios and televisions.

Clean only with a soft, dry cloth.

FCC certification

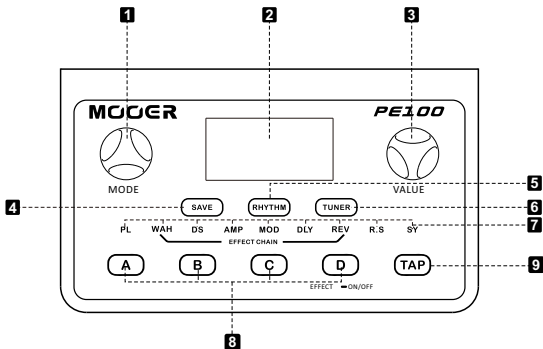
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

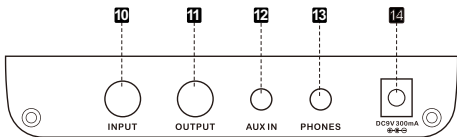
Main Features

- 99 Factory presets and 99 user presets
- 2 Auto wah effects
- 10 Overdrive and distortion effects
- 7 Amp models
- 11 Modulation effects
- 5 Different delays
- 4 Reverb types
- 40 Drums patterns and 10 metronomes
- Tap tempo functionality
- 4 Quick recall preset slots
- Very small compact size
- Large and small input and output jacks
- For easy integration with most audio equipment and computers
- Touch panel operation
- Can be operated by battery or DC power supply

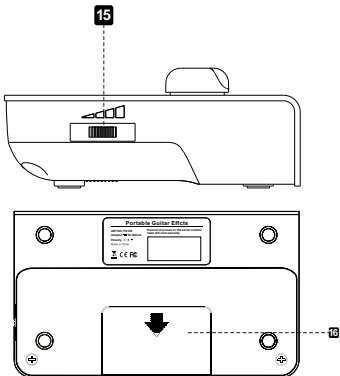
Panel Layout



- 01 **MODE:**Control for scrolling through the various pages in the menu
- 02 **LCD Display:** Displays the User Interface and provides all information for presets and parameters
- 03 **VALUE:**Control for adjusting various parameters and selections within the User Interface.
- 04 **SAVE:** Press to enter preset saving page
- 05 **RHYTHM:**Press to access Drum machine and Metronome
- 06 **TUNER:** Press to access guitar tuner
- 07 **EFFECTS CHAIN:**Indicates the operational status of the different effect blocks and the currently selected page within the User Interface
- 08 **Quick Recall buttons:**Quickly recalls 4 of your favorite presets
- 09 **TAP:**Tap tempo control for use with the drum machine, metronome and delay effects



- 10 INPUT:** 1/4" mono audio jack for connecting instrument
- 11 OUTPUT:** Audio output 1/4" mono audio jack
- 12 AUX IN:** Stereo line in for connection to external devices such as mp3 player for audio playback.
- 13 HEADPHONES:** Stereo line out for connecting to a headset or other external audio equipment
- 14 DC IN:** Connects to the supplied power adaptor (DC 9V, 300mA, $\oplus \ominus$)



- 15 Master Volume:** Adjusts the master output volume of the device
- 16 Battery hatch:** Insert 2 x AAA batteries for battery operation

Operational Guidance

Preset Selection

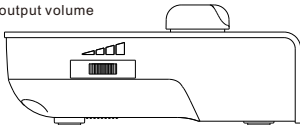
01 Power

Connect the supplied power adaptor to the DC-IN jack located on the rear side. (9V, 300mA, \oplus \ominus), Plugging a Jack cable into the input will activate the power when using batteries.



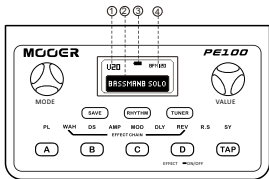
02 Master of Guitar Volume

Adjust the master output volume



03 Preset Selection

Rotate the MODE control until "PL" is highlighted brightly on the "EFFECTS CHAIN" panel. The LCD Display will indicate the information of the current preset(P or U) . P stands for factory preset, U stands for user Preset. Rotating the **Value** control whilst on the Preset page will scroll through the various presets.



- ① Preset number ② Preset name ③ Battery capacity ④ Drum speed

Note: The effects chain display panel will illuminate to indicate which effects blocks are currently active within the selected preset

PL WAH DS AMP MOD DLY REV R.S SY

More details will be listed on page 16.

Tone Settings

There are 6 effect blocks containing 39 types of effects in PE100's effect Chain. Each effect block provides a different kind of effect.

PL = Preset Mode

DLY = Delay effects

WAH = Wah Wah effects

REV = Reverb effects

DS = Overdrive and Distortion effects R.S = Rhythm (Drum machine and Metronomes)

AMP = Amplifier Simulation models SY = System settings

MOD = Modulation effects

01 Effect Chain

Rotate the 'MODE' control to scroll through the Edit pages of the various Effect blocks within the 'Effect Chain'

PL WAH DS AMP MOD DLY REV R.S SY

EFFECT CHAIN

02 Effect editing

After selecting the effect block you wish to edit using the MODE control, the LCD screen will display the effect model, the on/off status, all of the various settings and parameters of that effect.

Rotate the VALUE control to select your desired model.

Press the VALUE control to scroll through the parameters.

After selecting the parameter you wish to edit, rotate the VALUE control to adjust it's value.

03 Effect On/Off

While on an effect blocks edit page, press the D quick recall button to switch that effect block on or off within the preset.

Tone saving

The tone can be saved as a User preset



- 01 Press the SAVE button
- 02 Rotate the VALUE knob to select which preset number you wish to save your tone in. You can save your tone in any user preset U01 to U99. When you have selected your desired preset slot press the VALUE control to continue.
- 03 Now you can edit the name of the preset. Rotate the VALUE control to scroll through the characters. Press the VALUE control to select a character and move onto the next character in the preset name.
- 04 Once you have finished entering the preset name press the SAVE button again to save the preset.
- 05 If you wish to cancel the saving procedure at any time during this process, simply rotate the MODE control to exit the saving page.

Notes: P01 to P99 are for factory presets only and can not be used to store custom user presets. You can only save custom tones in U01-U99.

Quick recall buttons

The QUICK RECALL buttons A,B,C,D provide an easy way to instantly store and recall 4 of your favorite presets.

To store a preset in a quick recall slot make sure that PL is highlighted using the MODE control.

Navigate to the preset you wish to store in the quick recall slot using the VALUE control

Hold the quick recall button (A,B,C,D) where you wish to save the preset, for more than 1 second.

The quick recall button will flash 3 times to confirm you have successfully stored the preset within that slot.

To quickly recall that preset at any time just press the corresponding "quick recall button" whilst PL is highlighted on the EFFECTS CHAIN display.



Notes: If the screen shows UNSAVED in PL mode, the quick recall button can not save the tone.



TAP TEMPO

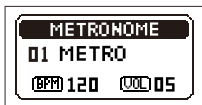
Tap Tempo has 2 operations

- 01 While you are not using the RHYTHM function TAP is highlighted red. Pressing the TAP button two or more times will synchronize the Delay time with your inputted tempo.
- 02 While you are using the RHYTHM function TAP is highlighted blue. Pressing the TAP button two or more times will synchronize the drum patterns and metronomes speed with your inputted tempo

Rhythm settings

The PE100 contains 40 drum patterns and 10 metronomes.

- 01 Pressing the RHYTHM button at any time will start or stop the drum patterns and metronomes.
- 02 Rotate the MODE control until R.S is highlighted
- 03 Rotate the VALUE control to choose the DRUM or METRONOME.



- 04 Press the VALUE control to highlight the rhythm parameter and rotate the VALUE knob to choose which rhythm you want.
- 05 Press the VALUE control again and rotate it to edit the speed, the range is BPM40 to BPM260.
- 06 Press the VALUE control once more and rotate it to edit the playback volume of the rhythm.

Tuner

Press the TUNER button at any time to access the tuning function page. The tuner is set to A=440Hz as stock, rotate the VALUE control to change this calibration. Press the VALUE control to highlight the bypass/mute parameter, rotate the VALUE control to switch between muted tuning and bypassed tuning. Pressing the TUNER button again will return you to the same page you were in when you first accessed the tuning function page.

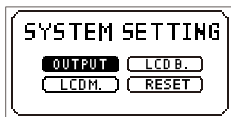


AUX IN

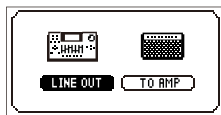
Connect the output of your favorite external audio device, such as mp3 player, to this input using a mini stereo jack.

System settings

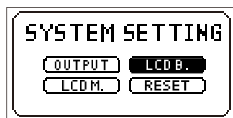
Rotate the MODE control until SY is selected. The system settings include the OUTPUT type, LCD B (brightness), LCD M (invert colors), RESET (factory RESET).



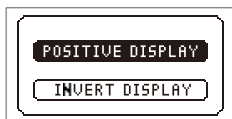
- 01 Select OUTPUT using the VALUE control, you can choose line out or amp out depending on what equipment you wish to connect your PE100 to.



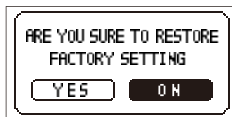
- 02 Rotate the VALUE control to LCD B, press it. Rotate the VALUE control to edit the brightness of the LCD display screen.



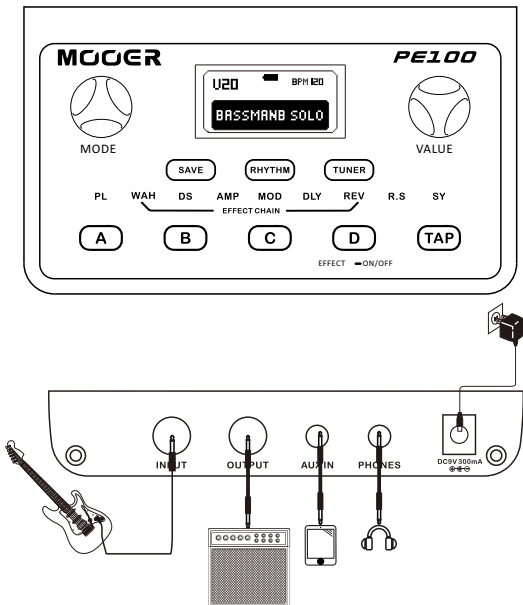
- 03 Rotate the VALUE control to LCD M, press it. Rotate the VALUE control to invert the LCD display screens colors.



- 04 To perform a full factory reset of the PE100 rotate the VALUE control to highlight RESET and press it. Next you will be asked "are you sure to restore factory setting" select "YES" to perform a factory reset. Select "No" to cancel and return to the system settings page.

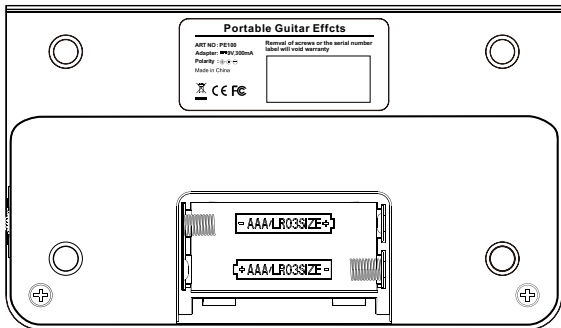


Connections



Batteries

- 01 Turn off PE100 and open the battery compartment.
- 02 Equip two AAA size batteries and close the battery compartment.
- 03 The PE100 will power on using batteries when something is connected to the input Jack



Effect Explanation

01 WAH

| Name | Specifications |
|--------------|---|
| TOUCH WAH | A dynamically responsive autowah effect |
| FUNKY MONKEY | Time based Auto Wah effect. |

02 DS

| Name | Specifications |
|--------------|---|
| FLEX BOOST | Based on MOOER FLEX BOOST boost pedal. |
| PREAMP OD | Based on DOD Overdrive Preamp/250 overdrive pedal |
| TUBE DRIVE | Based on IBANEZ TS9(TUBE SCREAMER) overdrive pedal. |
| JUICER DRIVE | Based on MOOER THE JUICER overdrive pedal. |
| MODERN OD | The overdrive of boosting the middle and gain. |
| DISTORTION | Hi-gain distortion pedal. |
| HOG FUZZ | Based on ELECTRO-HARMONIX HOG'S FOOT fuzz pedal. |
| MODERN FUZZ | Hi-gain fuzz pedal |
| METAL CLUB | Based on IBANEZ SM-7(SMASH BOX) distortion pedal. |
| ACOUSTIC | Acoustic guitar pedal. |

*NOTES: All product name called their company, here is only used in this product simulation effect of tone types.

03 AMP

| Name | Specifications |
|-------------|---------------------------------------|
| F.CLEAN | Based on FENDER TWIN REVERB |
| JAZZ CLEAN | Based on ROLAND Jc120 |
| BASSMAN | Based on FENDER BASSMAN |
| BRITISH 30 | Based on VOX Ac30 |
| BRITISH 800 | Based on MARSHALL JCM 800 |
| USA STAR | Based on MESA BOOGIE LONESTAR SPECIAL |
| USA BLACK | Based on MESA BOOGIE MARK V |

*NOTES: All product name called their company, here is only used in this product simulation effect of tone types.

04 MOD

| Name | Specifications |
|-------------|--|
| CHORUS | This effect creates a shining dimensional sound. |
| FLANGER | This effect produces an undulating and floating sound. |
| T.FLANGER | This effect produces an vocal undulating and floating sound. |
| PHASER | This effect creates a pulsing-like sound. |
| STEP PHASER | This effect creates a deep pulsing-like sound. |
| TREMOLO | This effect periodically influences the volume of the signal. |
| PITCH | This effect produces a sound which sounds like a pitch. |
| VIBRATO | This effect produces an intense vibrato sound. |
| FILTER | This effect produces a sweeping filter sound. |
| RING MOD | This effect produces a sound which sounds like a ring bell. |
| STUTTER | This effect rhythmically cuts your sound similar to a killswitch |

05 DLY

| Name | Specifications |
|-----------|--|
| DIGITAL | Repeats the signal with no special processing, creates the most clean delay sound. |
| ANALOG | Simulates analog delay equipment, produces a warm and vintage delay sound. |
| DYNAMIC | The delay sound is low while playing, but increases when playing stops. |
| ECHO | Simulates the sound of a real Echo, authentic and natural delay sound. |
| TAPE ECHO | Simulates a vintage Tape Echo machine |

06 REV

| Name | Specifications |
|--------|--|
| ROOM | Simulates the acoustics of a room |
| HALL | Simulates the acoustics of a concert hall. |
| CHURCH | Simulates the acoustics of a big church. |
| PLATE | Simulates Plate reverberation. |

Specifications

| | |
|------------------------------------|-----------------------------------|
| No. of Effect Modules: | 6 modules |
| No. of Effect Types: | 39 Effect types |
| Preset Patch Memory: | 99 patches |
| User's Preset Patch Memory: | 99 patches |
| Input Jack : | 1/4" mono audio jack |
| Output Jack : | 1/4" mono audio jack |
| Headphone out : | 1/8" stereo audio jack |
| AUX IN: | 1/8" stereo audio jack |
| Power requirements : | AC adapter 9V DC, 300mA, ⊕ ⊙ ⊖ |
| Dimensions : | 137mmX81mmX32mm |
| Weight : | 230g |
| Accessories : | Owner's Manual, AC adapter 9V DC. |

Troubleshooting

Can not power on :

Check power connection——Make sure the power is connected correctly.
Check the adapter——Make sure the adapter's type is DC 9V/300mA/

No sound or low volume :

Check connection of cables——Make sure all the cables are connected firmly.
Check the on/off switch and the volume setting of amp——Make sure each equipment's volume is set to an appropriate level.

High noise:

Check the adapter——Make sure the adapter's type is DC 9V/300mA/
Check the cables——Make sure the cables are connected firmly and have no quality problem

Patch List

| No. | Name of preset |
|-----|----------------|
| P01 | DS CLEAN |
| P02 | GREEN |
| P03 | BLACK |
| P04 | OC FUZZ |
| P05 | FL FUZZ |
| P06 | PH FUZZ |
| P07 | LOST FUZZ |
| P08 | LOST 1 |
| P09 | LOST 2 |
| P10 | SLOW DANCE |
| P11 | CLASSIC PURPLE |
| P12 | GLASS |
| P13 | BIG HAIR |
| P14 | BLUE SPRING |
| P15 | OLD BRIT METAL |
| P16 | CHORUS ORGAN |
| P17 | SENSUOUS |
| P18 | SUMMER 69 |
| P19 | 69 LEAD |
| P20 | TUMBLEWEED |
| P21 | COWBOY LEAD |
| P22 | VOCALIndustr |
| P23 | WALK IN THE WO |
| P24 | COCK ROCK |
| P25 | BREATHE |

| No. | Name of preset |
|-----|-------------------|
| P26 | DAVE FLAVOR |
| P27 | SURFING RHYTHM |
| P28 | SURFING LEAD |
| P29 | RANDY |
| P30 | AGGRESSIVE |
| P31 | AMANI RHYTHM |
| P32 | AMANI SOLO |
| P33 | GARY TRACK |
| P34 | NO HESITATE |
| P35 | TRUE LOVE |
| P36 | GOLDEN AGE RHYTHM |
| P37 | GOLDEN AGE SOLO |
| P38 | LOVER |
| P39 | OCEAN SKY |
| P40 | JTM45 |
| P41 | JTM45 SOLO |
| P42 | JTM45 ELECTRON |
| P43 | JTM45 WAH |
| P44 | BRITISH |
| P45 | BRITISH METAL |
| P46 | BRITISH OD |
| P47 | BRITISH DELAY |
| P48 | BRITISH CH |
| P49 | BRITISH SOLO |
| P50 | BSM |

| No. | Name of preset |
|-----|----------------|
| P51 | BSM SOLO |
| P52 | BSM SOLO2 |
| P53 | BSM WAH |
| P54 | BSM CRUNCH |
| P55 | BSM OD |
| P56 | BSM VIB |
| P57 | BSM RHYTHM |
| P58 | JC SOLO |
| P59 | JC METAL |
| P60 | JC OD |
| P61 | JC CHORUS |
| P62 | JC POST |
| P63 | JC CLEAN |
| P64 | TWIN REV SOLO |
| P65 | TWIN REV1 |
| P66 | TWIN REV2 |
| P67 | TWIN REV3 |
| P68 | TWIN REV4 |
| P69 | REVERB ONLY |
| P70 | CH CLEAN |
| P71 | FINE |
| P72 | CONFUSION |
| P73 | PH CLEAN |
| P74 | BP REVERB |
| P75 | HOT WAH |

| No. | Name of preset |
|-----|----------------|
| P76 | ELANGER WAH |
| P77 | LASER WAH |
| P78 | CICADA |
| P79 | FLUTTERING |
| P80 | AURORA |
| P81 | ELECTRIC |
| P82 | POP CLEAN |
| P83 | VOODOO CHILD |
| P84 | HAPPY BLUES |
| P85 | HAIR METAL |
| P86 | JUST PUNK |
| P87 | ROTATING WIND |
| P88 | ROCK MONKEY |
| P89 | JAZZ CLUB |
| P90 | ROCK SOUND |
| P91 | JST FIGHTER |
| P92 | MEMORY |
| P93 | CRUNCHER |
| P94 | NARROW |
| P95 | COLLAPSE |
| P96 | MID-NIGHT |
| P97 | DREAM STREAM |
| P98 | SWEET TALKING |
| P99 | CLOCK TOWER |
| | |

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