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(±10%), ⊕-◉-⊖, 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

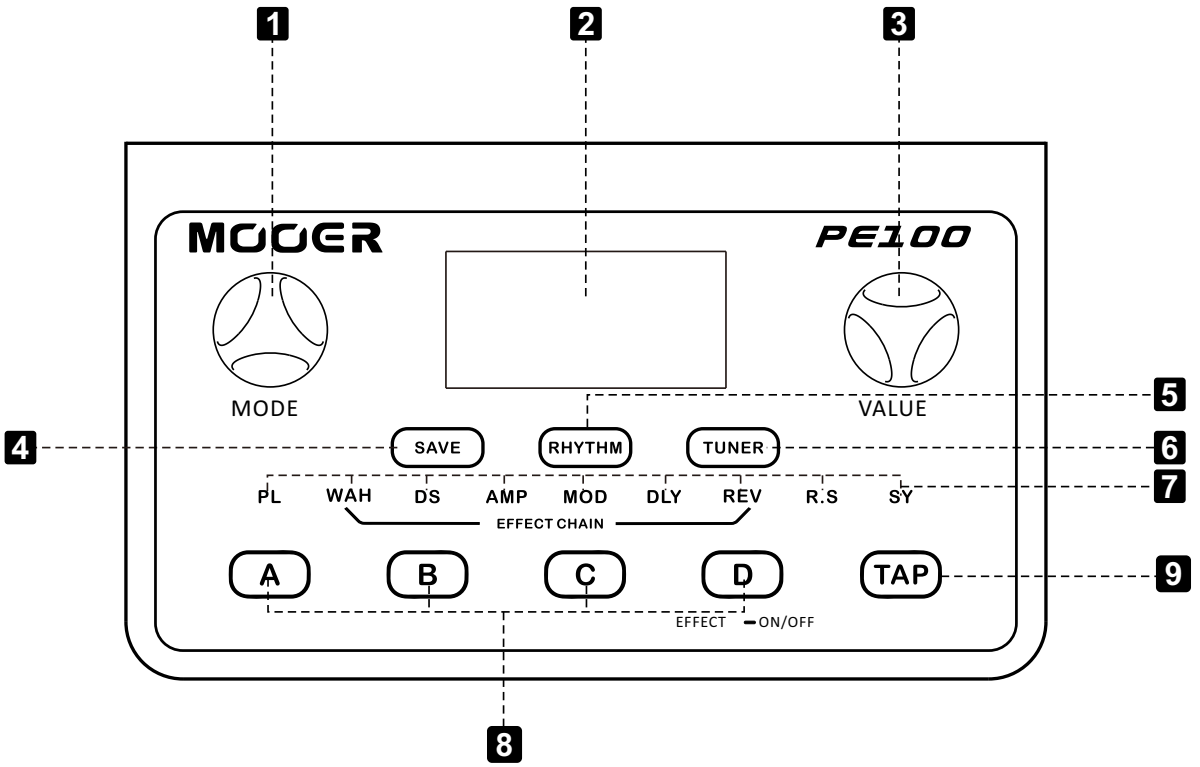
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 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

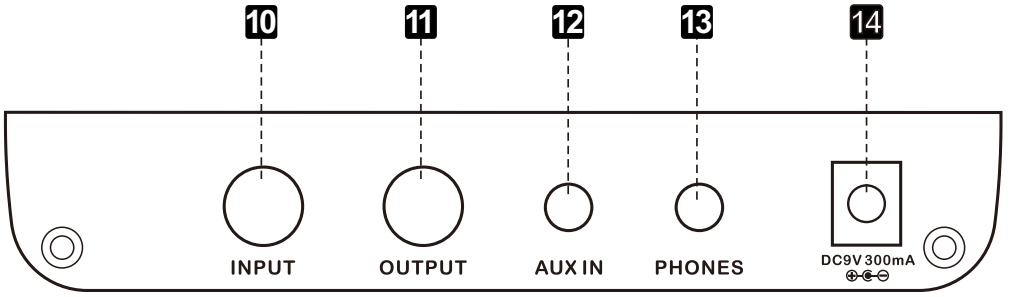
05 **RHYTHM:**Press to access Drum machine and Metronome

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



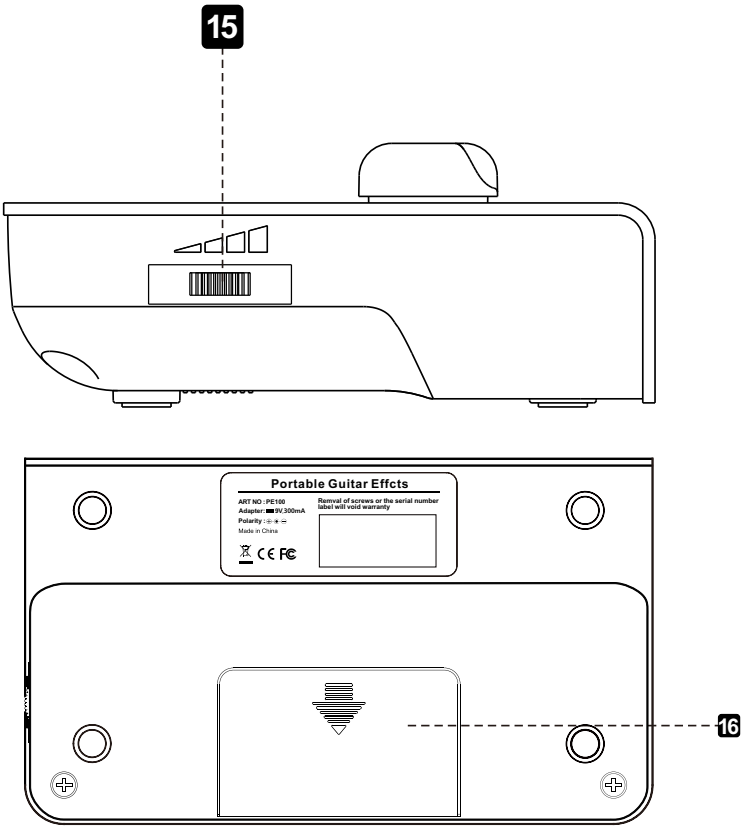
10 **INPUT:**1/4” mono audio jack for connecting instrument

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,⊕-●-⊖)



15 **Master Volume:** Adjusts the master output volume of the device

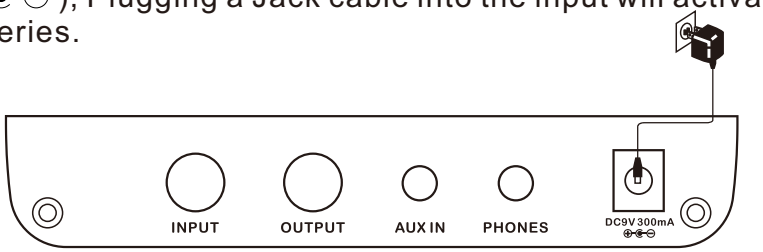
16 **Battery hatch:** Insert 2 x AAA batteries for battery operation

Operational Guidance

Preset Selection

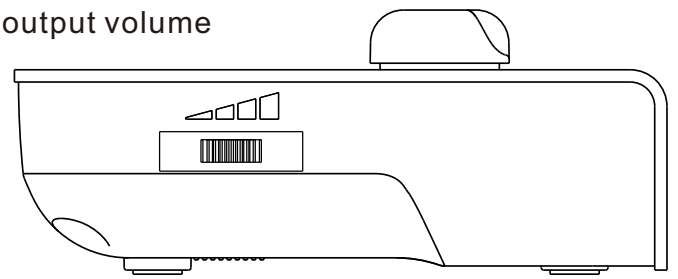
01 Power

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



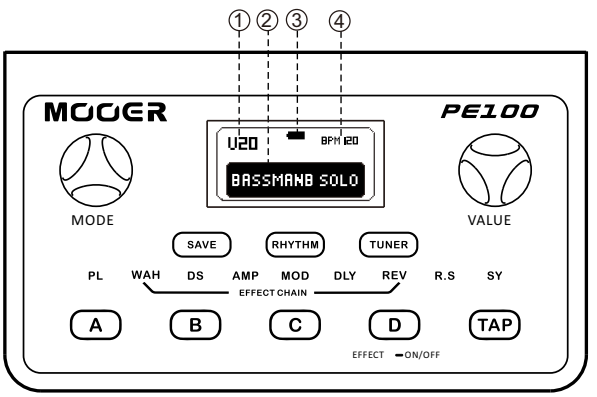
02 Master of Guitar Volume

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



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

WAH = Wah Wah effects

DS = Overdrive and Distortion effects

AMP = Amplifier Simulation models

MOD = Modulation effects

DLY = Delay effects

REV = Reverb effects

R.S = Rhythm(Drum machine and Metronomes)

SY = System settings

01 Effect Chain

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

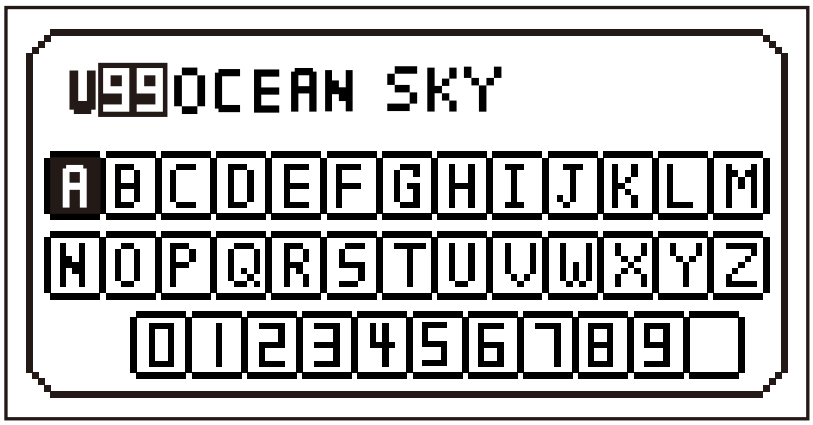
Rotate the VALUE control to select your desired model.
Press the VALUE control to scroll through the parameters.
After selecting the parameter you wish to edit, rotate the VALUE control to adjust it's value.

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

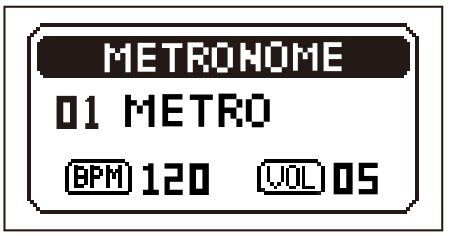
The PE100 contains 40 drum patterns and 10 metronomes.

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.

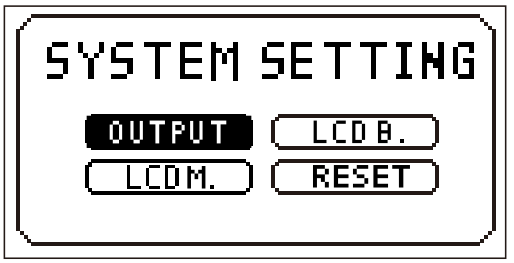


AUX IN

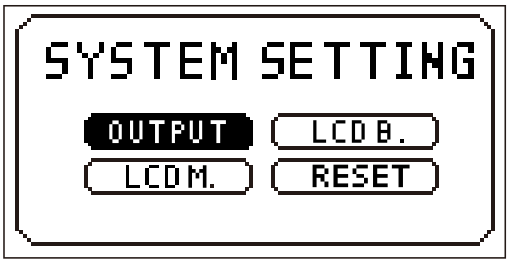
Connect the output of your favorite external audio device, such as mp3 player, to this input using a mini stereo jack.

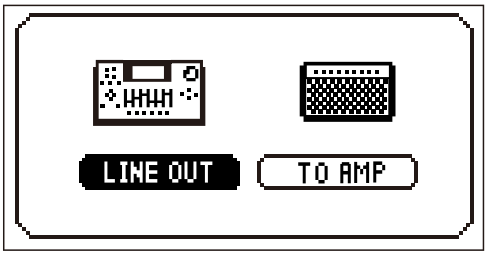
System settings

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).

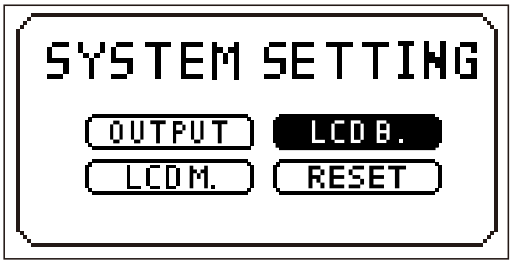


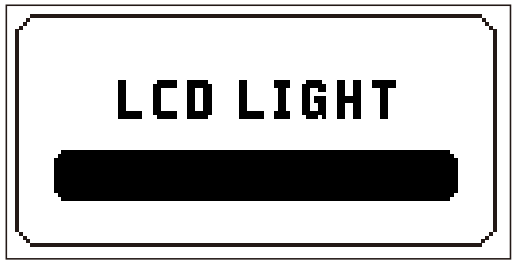
01 Select OUTPUT using the VALUE control, you can choose line out or amp out depending on what equipment you wish to connect your PE100 to.



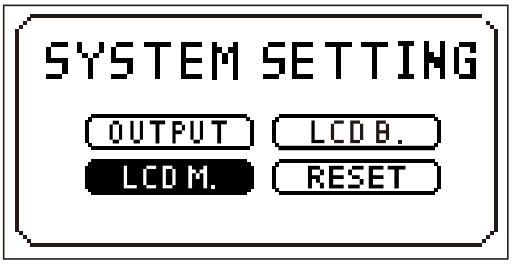


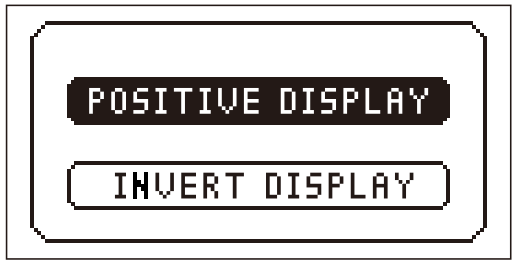
02 Rotate the VALUE control to LCD B, press it. Rotate the VALUE control to edit the brightness of the LCD display screen.



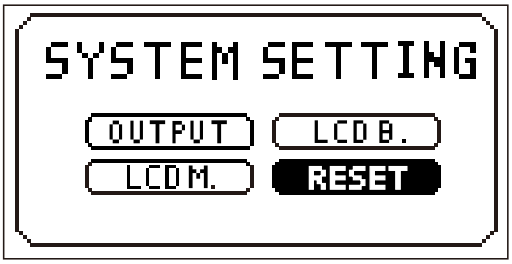


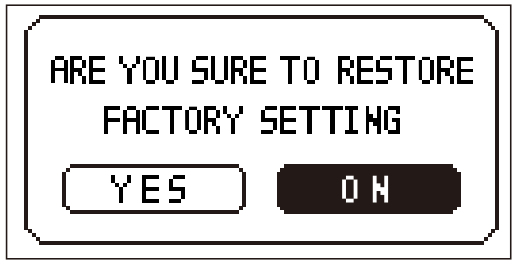
03 Rotate the VALUE control to LCD M, press it. Rotate the VALUE control to invert the LCD display screens colors.



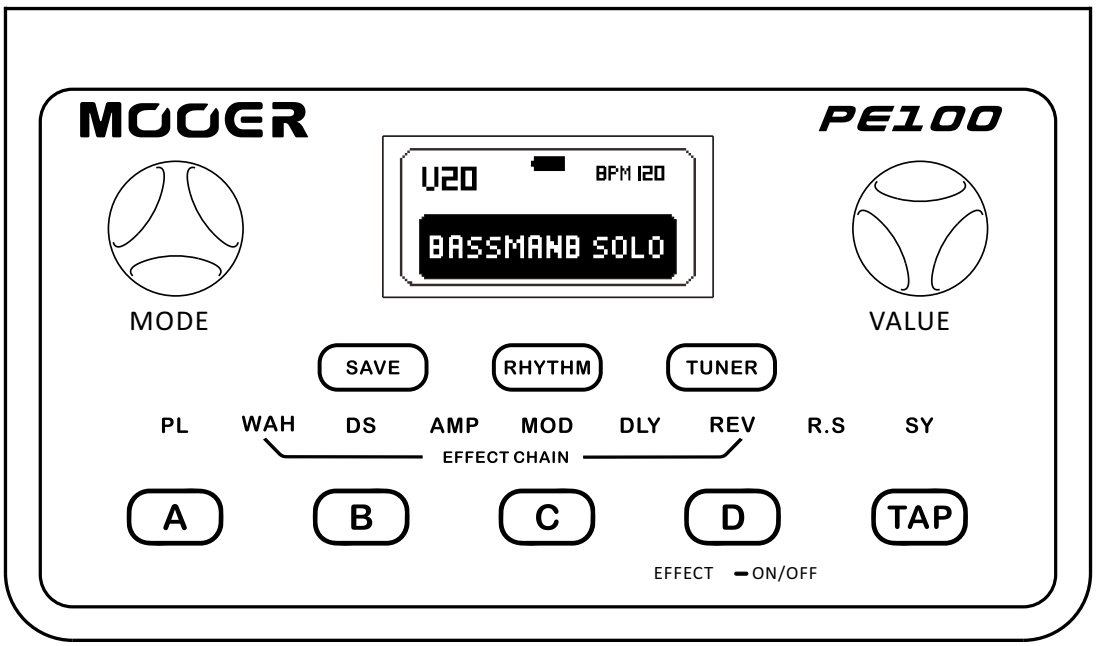


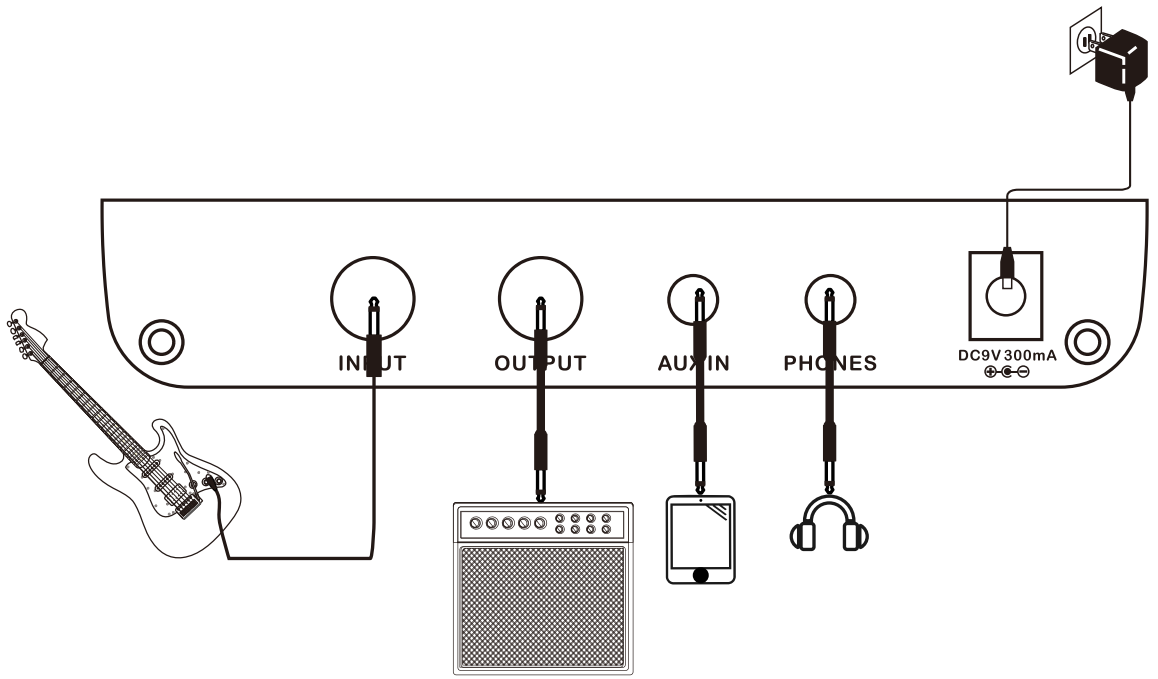
04 To perform a full factory reset of the PE100 rotate the VALUE control to highlight RESET and press it. Next you will be asked "are you sure to restore factory setting" select “YES” to perform a factory reset. Select “No” to cancel and return to the system settings page.





Connections



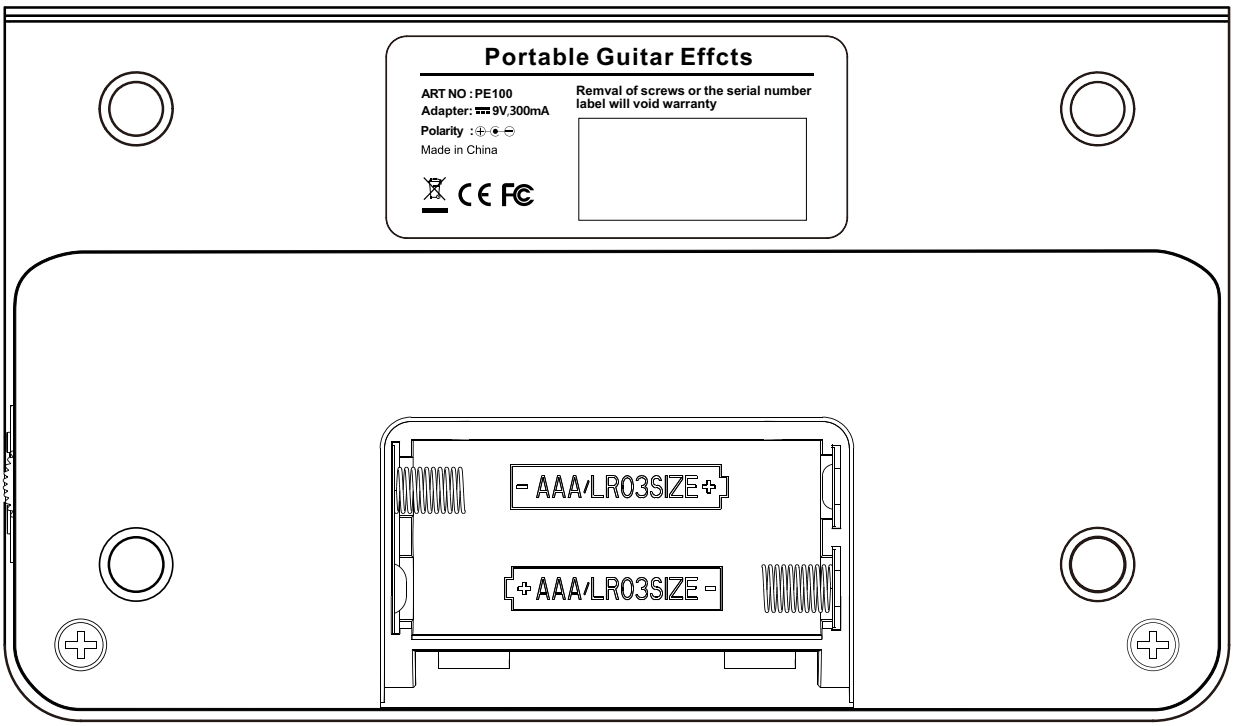


Batteries

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	VOCAL INDUSTR
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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