



## Pedal Power Station Owner's Manual

### Specifications

Dimensions.....	39.5(L)X6.5(W)X5(H)cm
Weight.....	1580g
AC IN.....	220V
AC OUT.....	220V(Max. 3A)
DC OUT.....	9V & 12V(750mA in total)
Sound Meter Input Impedance.....	500K ohm
Sound Meter Output Impedance.....	10K ohm
Max. Input Vp-p .....	9V

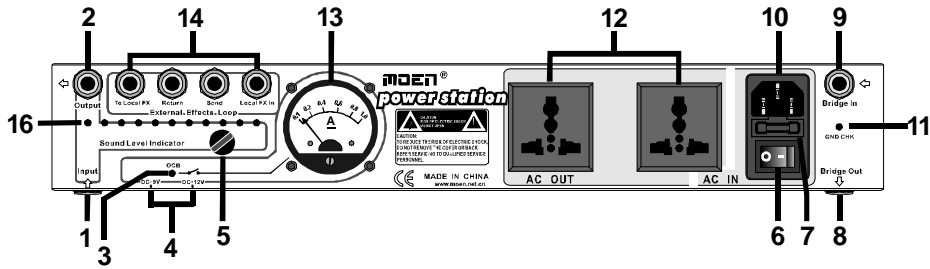
**power station**



Be sure to read the manual before using this product in order to ensure safe operation.

[www.moen.net.cn](http://www.moen.net.cn) (中文) [www.moenfx.com](http://www.moenfx.com)(english)

## Overview



### 1. Sound Meter Input

Connects the input jack to guitar effect output, the led indicators will light according to the signal level.

### 2. Signal Output (buffered)

The jack sends "Sound meter Input" signal to amplifier or other instruments.

### 3. Over Current Breaker Indicator

The internal over current breaker will shut off DC output when the total DC (9V and 12V) current exceeds 750mA, the led is on when OCB is active.

### 4. 9V and 12 DC Output

Regulated positive ground DC with max. 750mA (in total) capability.

### 5. Sound Level Meter Bias Knob

This knob adjusts the reference voltage of sound level meter.

### 6. General Power On/Off Switch

The switch turns on/off the power of whole device.

### 7. Fuse

It's 3 ampere removable type, protects whole power station.

### 8. Bridge Output 9. Bridge Input

Bridge input/output jacks are internally connected.

### 10. AC input socket

It connects to external outlet with a power cord.

### 11. Ground Check Indicator

The LED is on when "Earth" terminal of AC input socket is properly connected, otherwise, the LED is off if only "Line" and "Neutral" are provided. Make sure the "Earth" terminal is properly connected for noise canceling.

### 12. AC outlets

AC output outlets.

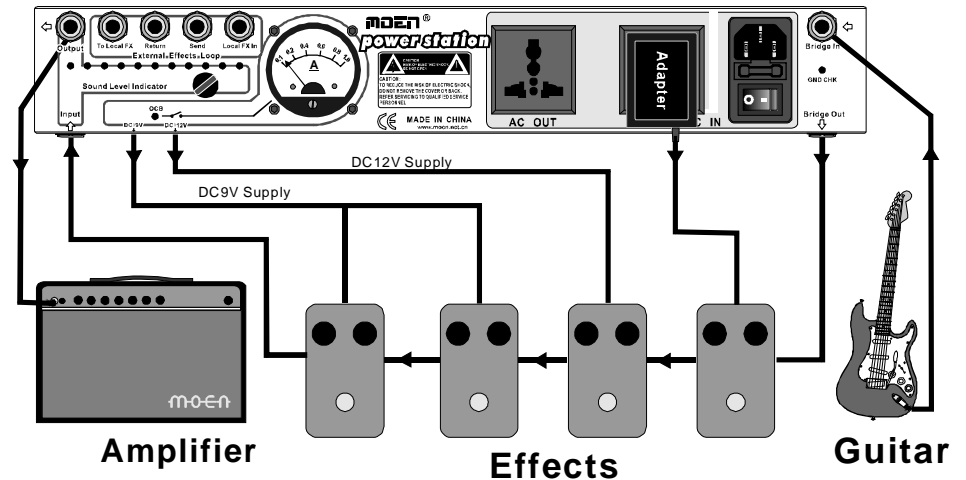
### 13. DC output current monitor

The current monitor shows the DC current draw.

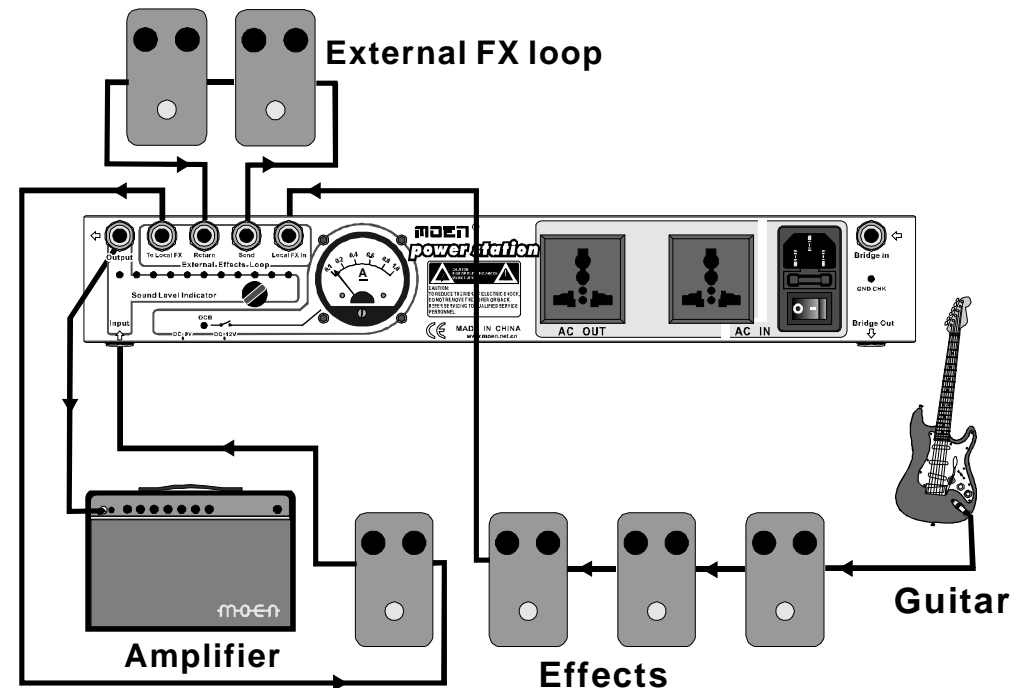
### 14. External Loop

External Loop jacks.

## Example layout 1



## Example layout 2



# Functional Description

MOEN Pedal Power Station have 6 functional modules.

## 1. AC power input and output module

Connects the power cord to from wall outlet to AC IN, the ON/OFF switch turns on/off the power of whole device. The two AC outlets are AC output for any 110V rating adaptors.



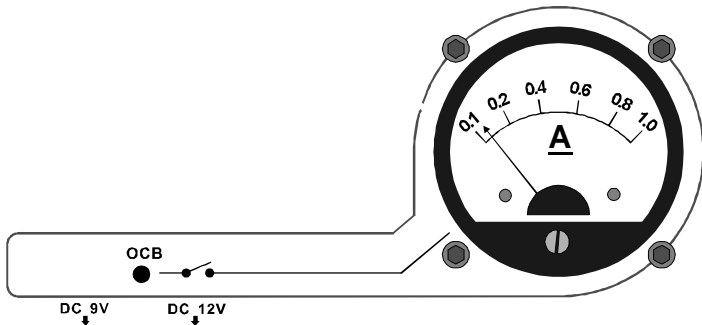
## 2. Ground Check module

There is a ground check module in the station, the noise of pedals will be rejected if they are grounded well, the ground check LED will be on when the earth terminal is correctly connected.



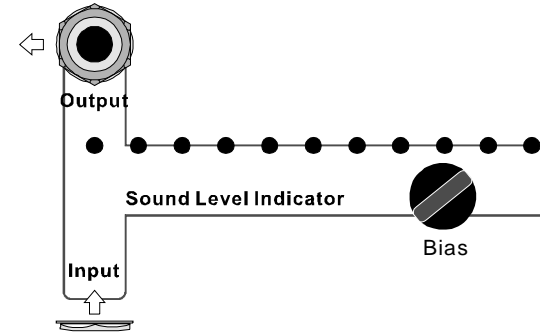
## 3. Regulated DC output module

9V and 12V are both regulated DC power, they have the capability of 750mA current with less than 0.2V drop, the amper meter shows the current draw of all connected pedals. The Over Current Breaker(OCB) LED will be on and the DC output will be shut off when the current exceeds 800mA, it protect the pedals when exceptions happened (e.g. wrong polarity pedal is connected). The OCB will be always active until the fault is cleared and the whole station is reset by on/off switch.



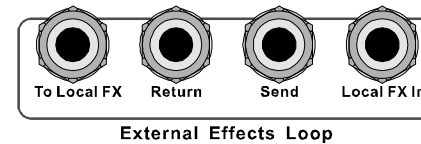
## 4. Sound level meter module

The sound level meter shows the dynamic of input sound, connects input to the la pedal of pedalboard, connects the output to amplifier/mixer or other instruments. The bias knob is to adjust the reference voltage of sound level meter which will be more sensitive to small signal when the knob is in clockwise rotation.



## 5. External loop connectors

The external loop will be able to connect the pedalboard to external loop. Connet "Local FX" to the output pedal of pedal board, connects "send" to the input of external instrument, connects "return" to the output of external instrument, connects "To local FX" back to pedal board. The external loop module is individually in the station, it's separated from sound level meter module and other module.



## 6. Bridge connectors

The Bridge connectors (directly connected) are bridge for guitar and pedal boar it's more convenient to connect guitar and pedal board.

