



POWER PLANT

VARIABLE VOLTAGE ENERGY STATION



OWNERS MANUAL

modtone-effects.com



Power Plant

Variable Voltage Energy Station

The ModTone Power Plant is professional quality power supply for the discriminating player. The ModTone Power Plant features a toroidal transformer with eight isolated outputs. Five outputs are switch able from 9vdc to 12vdc, two feature SAG controls to go from 4v-9vdc, and the last is a 9vAC output.

The Power Plant is designed to be used in conjunction with almost any pedal you can put on your pedal-board. Each output is isolated and designed to operate without adding any noise to your signal path. Please take the time to read this entire manual before hooking up the ModTone Power Plant. This product contains voltages that have the ability to damage your effects if improperly hooked up. To avoid damage, make sure you understand how everything is designed to be used.

Power Plant

Contents

Your Power Plant box should contain the following:

Power Plant unit

AC power cord

DC Power cables:

5.5x2.1mm barrel connectors (6)

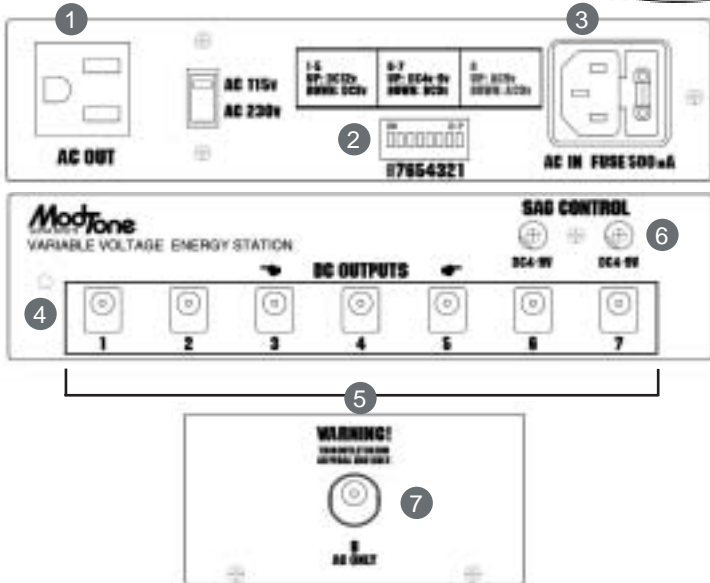
5.5x2.5mm "red" barrel (1)

3.5mm mini plug (1)

9V battery snap (1)

Power Plant

Overview



1. AC auxiliary. This is a courtesy AC outlet for convenient powering of AC powered effects or a MIDI foot controller. Do NOT plug in your amp here!
2. Voltage selector DIP switches. These switches select the output voltage. Switches 1-8 correspond to DC outputs 1-8. Normal 9V operation is with the switch in the “DOWN” position.
3. AC power input jack. This is a standard “IEC-type” connector.
4. Power indicator. This LED indicates the Pedal Power system unit is operating.
5. DC output jacks (7). Each output provides 9 volts of isolated, filtered and regulated DC power for your pedal effects.
6. SAG controls. Controls to vary the voltage from 4-9V.
7. AC out. Used to power AC Pedals *ONLY!* Connecting non AC pedals to this output can damage pedals and void your warranty.



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Connections

The ModTone Power Plant has seven DC output jacks and one AC output jack. Included with your Power Plant are power cables. You will find seven cables with black barrel connectors (5.5x2.1mm), one cable with a 3.5mm mini plug, one cable with a battery clip, and one red cable designed for the AC output.

Standard polarity from most pedal manufacturers is “center negative.” The black barrel connectors supplied with the Power Plant are “center negative,” and will work with many common pedal brands. You must be sure of the polarity of your pedals before using the Power Plant to assure that you do no damage to the pedal.

The 3.5mm mini plug is designed to be used with pedals needing 1/8” type of adapter. The standard polarity of the mini plug is “tip positive.” Make sure you’ve checked the polarity of your pedal before hooking it up to cause no damage to the pedal.

If you have a pedal that has no power jack at all, use the included battery clip to connect it to the pedal where the battery once hooked in, this will allow that pedal to work with the Power Plant too.

The red AC cable is designed to work with the AC output on the Power Plant. This cable should be used only with this output or damage may occur. With AC power there is no polarity. *Make sure you never hook a pedal requiring DC power up to the AC outlet. This action will cause irreparable damage to the pedal, the Power Plant or both.*

On the back of the Power Plant you will find eight small switches, one for each output on the unit. These switches control the voltage of each output. You will find that most pedals require 9v power. When the DIP switches are in the DOWN position, they are set to deliver 9v of output on all 7 of the DC channels.

If you have a pedal that requires 12vdc, you will use outputs 1-5 with the DIP switches in the up position. These 5 outputs deliver 12vdc when the switches are up. The same cables can be used, but be sure to check that the pedal that needs 12vdc is “center negative” so it will not damage your pedal.

In the event that you may have a pedal that needs either 18vdc or 24vdc, you can purchase a “Y” cable to use 2 channels in conjunction. This is possible because all of the outputs are isolated, and therefore can be combined to become the two outputs added together. Be sure to check the polarity of your pedals so you can match it and not damage your pedal.

SAG Outputs

When the DIP switches are flipped up on outputs 6-7, it activates the SAG control. When the DIP switch is up it allows you to adjust the output voltage from 4v-9v to emulate a dying battery. Running a pedal on low voltage will not harm the pedal in any way. If you have no use for this feature, leave the DIP switch in the down position, and it will output 9vdc no matter what.

AC Output

The eighth output on the side of the Power Plant is the AC output. This output can only be hooked up to pedals which require AC power. Hooking any other pedal up to this output will result in irreparable damage to that pedal. This output produces 9vAC no matter what DIP position the switch is in.



Power Plant

Info And Operation

Operation

After reading the information about connecting your pedals to the Power Plant, begin to hook up your pedals to the Power Plant. Be sure to use the correct cables for each pedal you're using. Next, connect the AC cord from the Power Plant to a suitable wall outlet. The Power Plant's blue LED will come on to confirm that the unit is working properly.

Warranty

ModTone warrants this product against defects that are due to faulty material or workmanship for a period of five years from the date of original retail purchase. This warranty does not include damage to the product resulting from accident or misuse. This warranty is given to the original purchaser only and it is not assignable to any other person.

If you should have a problem with the Power Plant within the 5 Year warranty period please contact ModTone (modtone-effects.com) and a return authorization number will be issued and must be returned freight pre-paid with original proof of purchase. ModTone will repair or replace the unit at it's discretion.

Warranty Registration

To register your warranty go to modtone-effects.com

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Specifications



Input: IEC connector

120V 60Hz (North America)

100V 60Hz (Japan)

230V 50/60Hz (Europe/Australia)

Outputs: 5.5x2.1mm barrel connectors center negative

Seven 9VDC 150mA regulated

One 9V AC 1000mA regulated

Five selectable from 9V-12V DC

Two adjustable sag 4V to 9V DC

Short circuit protected

Physical: 7 1/4" wide x 3.5" deep x 2.0" tall

Weight 2.25 lbs.

Special: Toroidal power transformer.

Auxiliary AC outlet, 200 watts max.





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