



## **Introduction**

The Hot Stone Deluxe pedal power supply was specifically designed to meet the higher power requirements of modern digital effect pedals while providing sufficient outputs to power any battery operated pedal. All outputs are completely isolated, filtered and regulated to provide clean, ripple free DC voltage. Isolation and short circuit protection on each output ensures that there will be no hum, noise, or pedal interaction.

The Hot Stone Deluxe provides:

- ⤴ Eight isolated outputs with a total, ripple-free current of 1600mA.
- ⤴ Two high current, 400mA, 9 and/or 12V outputs capable of powering Eventide™ Factor, Strymon™, Boss™ Twin, TC™ Nova, Line6™ modelers.
- ⤴ Two medium current, 9 or 12V outputs capable of 200mA each.
- ⤴ Two variable voltage outputs for simulating used carbon batteries.
- ⤴ Custom magnetically shielded toroidal transformer
- ⤴ Short circuit protection on all outlets



**CAUTION – AVERTIR – ACHTUNG – PRECAUCIÓN:**



**Hot Stones sold in North America must only be powered from 120VAC. Do Not Attempt to power from 220-240VAC! Doing so will cause permanent damage to the Hot Stone. A step-down transformer is required to power from 220-240VAC mains.**

### **DB-11 HOT STONE OPERATING TEMPERATURE**

**The Hot Stone is a linear power supply designed for low noise and high output current. Higher currents require higher heat dissipation. The Hot Stone is designed to radiate heat when running. This is normal to it's operation. However, care should be taken to keep the top cover clear and freely exposed to air.**

## **Declaration of Conformity**

Decibel Eleven declares that this product complies with the European Union Council Directives and Standards requirements for the Low Voltage Directive (2006/95/EC) and the EMC Directive (2004/108/EC).



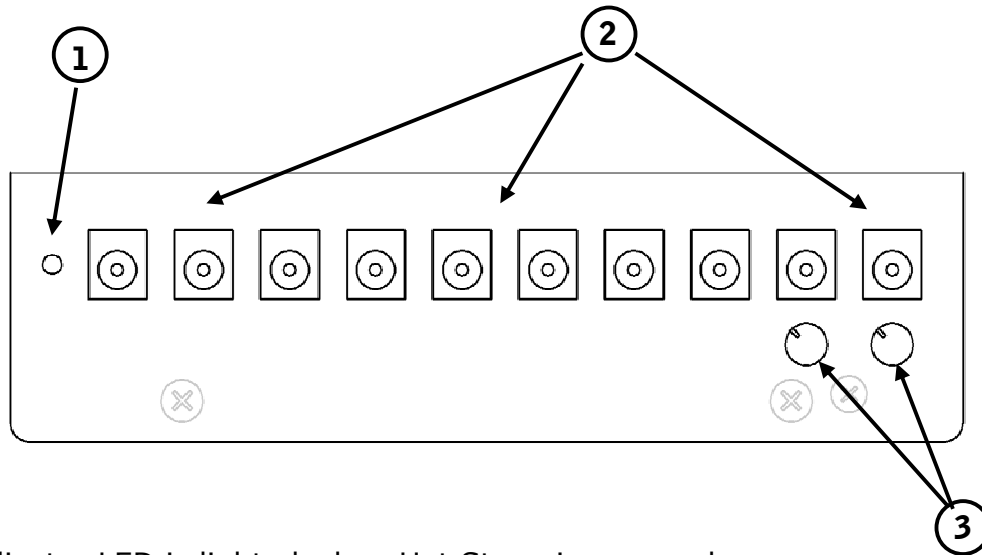
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## **Box Contents**

- Hot Stone Deluxe
- AC power cord
- (8) DC cables with 5.5x2.1mm black barrel connectors
- (2) DC cables with 5.5x2.5mm blue barrel connector
- (1) DC cable with 3.5mm mini plug
- Manual
- Warranty

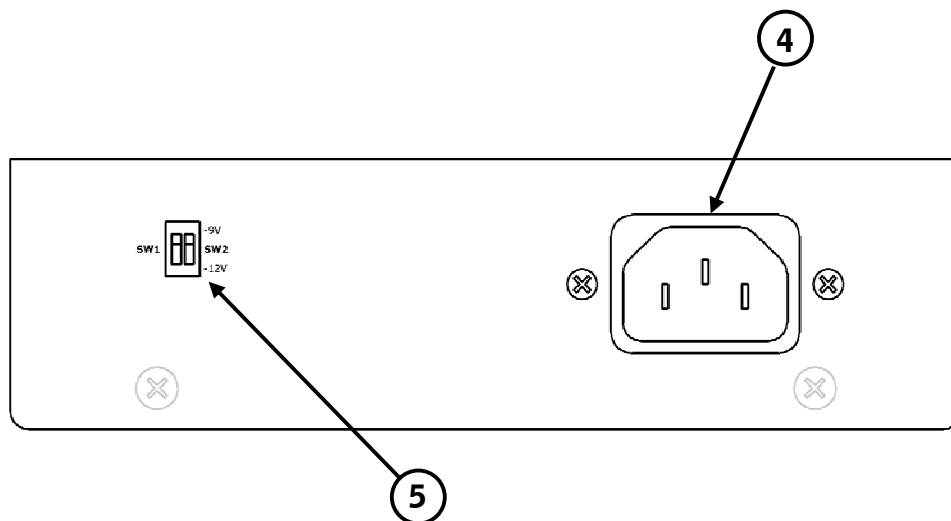
## **Overview**

Front Panel:



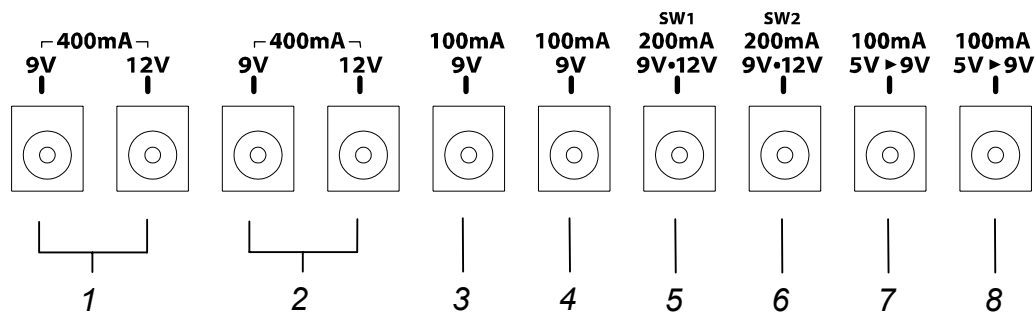
- ① Power indicator LED is lighted when Hot Stone is powered on.
- ② 5.5mm x 2.1mm DC output jacks
- ③ Adjustment controls for varying voltage of outputs 7 & 8.

Rear Panel:



- ④ AC Inlet. Standard IEC connection.
- ⑤ Voltage Select switches for outputs 5 & 6

## Output Configuration



The Hot Stone Deluxe has 8 isolated outputs. All outputs are standard barrel type connectors wired "center negative", which means the outside barrel is +V. This is the standard wiring for most guitar effect pedals. However, there are exceptions. Always check the label on the pedal before connecting, and use a polarity reversal cable if needed (see DC Cables section).

**Outputs 1 and 2** are each configured with separate outlets for 9V and 12V. The 9 & 12V outlets are both fed from the same transformer winding and can supply a combined maximum output current of 400mA. They can be used individually or simultaneously as long as the combined current draw does not exceed 400mA.

**Outputs 3 and 4** each provide up to 100mA of current at 9V. These outputs will run just about any battery operated 9V pedal.

**Outputs 5 and 6** each provide up to 200mA of current at either 9V or 12V. Use the switches SW1 and SW2 on the rear panel (5) to select the desired voltages.

**Outputs 7 and 8** each provide up to 100mA. The output voltage for each is variable using the control knob below the respective outlet. (3) Voltage is adjustable from 9V (fully clockwise) down to about 5V (fully counter-clockwise). This can be used to simulate a used carbon battery, giving transistor fuzz pedals a unique "brown" sound. The effect is not typically useful on effects which utilize opamps in the circuitry. The voltage control is not intended to be a calibrated control. The typical response when rotating the knob counter-clockwise will begin as a very gradual voltage drop, increasing near the end.

## DC Cables

There are three types of DC cables included with the Hot Stone Deluxe:

- 1) 5.5x2.1mm (BLACK) to 5.5x2.1mm (BLACK): This is the standard cable used by most pedals (BOSS™, Ibanez™, DOD™, and most 9V pedals).
- 2) 5.5x2.1mm (BLACK) to 5.5x2.5mm center-positive (BLUE): This cable should be used with the Line6™ 4button modeling pedals and Eventide™ Factor pedals. These can also be used for powering some AC powered effects (depending on current draw).
- 3) 5.5x2.1mm (BLACK) to 3.5mm mini plug (tip positive): Use this to supply tip-positive voltage to any pedals using 3.5mm mini jacks.

Other types power cables can be purchased including:

- ⌘ Polarity reversal for pedals requiring 5.5x2.1mm "center-positive" connection.
- ⌘ Voltage Doubling cable for combining two outputs to create 18V or 24V
- ⌘ Current Doubling cable for combining two outputs to create double current.
- ⌘ Various lengths and end types are available for purchase.

## **Pedal Specifics**

**BOSS™** pedals are generally powered by one of two types of voltage, identified on the label as "PSA" or "ACA". Most all BOSS™ pedals are "PSA" type and require standard 9VDC. "ACA" pedals will operate correctly using any 12VDC output on the Hot Stone. **BOSS™ Twin** pedals require higher current and can be operated from output 5 or 6 at 9V, or output 1 or 2 at 9V.

**Line 6™** Modeling pedals (4 button type) can be operated from output 5 or 6 set to 12V, or output 1 or 2 at 12V. The BLUE 5.5x2.5mm cable must be used for these pedals.

**TC Electronic™ Nova** pedals can be powered using the standard BLACK cable from output 5 or 6 set to 12V, or output 1 or 2 at 12V. Some pedals such as the NDR-1 Nova Drive require higher current and must be operated from output 1 or 2 at 12V, or by using a current doubling cable with outputs 5 & 6.

**Eventide™ "Factor"** pedals can be powered from output 1 or 2 at 12V using the BLUE 5.5x2.5mm cable. It is also possible to power them using a current doubling cable from outputs 5 and 6 set to 12V.

**Strymon™** pedals can be powered from output 1 or 2 at 9V using the standard BLACK cable.

**Other pedals** will list power requirements in their manual or on the pedal itself. Some manufacturers list actual power requirements, while others may list only the rating of the included or recommended adapter. Often a pedal will use much less power than the recommended adapter rating. If you are unsure of your pedals requirements, please check our website at [www.decibel11.com](http://www.decibel11.com) or email support at [support@decibel11.com](mailto:support@decibel11.com).

## **Specifications**

### OUTPUTS:

All outlets: 5.5x2.1mm barrel connectors, center negative.

All outlets: regulated and filtered DC voltage, short circuit protected.

Outlet 1-2: 9V and/or 12V, 400mA

Outlet 3-4: 9V and/or 12V, 400mA

Outlet 5-6: 9V, 100mA each

Outlet 7-8: 9V or 12V, 200mA each

Outlet 9-10: 5V-9V (continuously variable), 100mA each

### INPUT:

120V 50/60Hz (North American model)

230V 50/60Hz (Europe/Australian model)

### PHYSICAL:

Dimensions (WxDxH): 6.10" x 3.46" x 1.73"

Weight: 2.65 lbs.