

HI POWER

HI POWER was inspired by a classic pedal + amp combination that gave birth to the highest carat sounds. A silicon boost/overdrive pedal, equipped with super flexible and interactive dual-band tone controls, slams the front end of a British amp with legendary headroom in order to make your guitar tone shine like the sun.

We chose to accurately recreate the circuit of the classic boost/overdrive. A toggle switch selects between the most significant variations that the circuit has seen during the early 70s. An all-analog circuit following the path of the famed British tube amplifier offers authentic amp tone and feel. True to the last detail we have included the full EQ section along with a presence control located at the negative feedback of the power amp simulation circuit. A headroom toggle switch selects between the high headroom of a 100W power section provided by a quartet of EL34s, or the lower headroom and compression provided by a 50W power section with a pair of EL34s when hit hard. A passive effects loop gives you the option to connect your beloved pedals between your overdrive and amp in a box, building your ideal rig.

Controls:

BOOST/OVERDRIVE SECTION

gain: control the amount of boost/drive. From clean boost to gnarly and fuzzy overdrive as you turn clockwise. We used a reverse log pot - compared to the linear taper pot found in the original units - in order to be able to set the amount of boost/overdrive precisely.

bass: control the amount of low end frequencies, bigger and bolder as you turn clockwise.

treble: control the amount of high end frequencies, brighter as you turn clockwise.

master: set the output volume. Features enormous amounts of output volume making it ideal to drive your amp into natural overdrive. The earlier units of this classic pedal didn't feature this control. We've set it that way so it when it is maxed out it resembles exactly the circuit of those early units.

VOICING TOGGLE SWITCH ⁽¹⁾:

PWR = 18V boost circuit/**ODR** = 9V overdriver circuit

AMP SECTION ⁽²⁾

volume: control the amount of amp drive. From high-headroom clean sounds to big bold British crunch/overdrive.

INPUT CHANNEL TOGGLE SWITCH: select the input channel; Normal, Bright or Linked.

Normal channel input has fuller sound, ideal for use with bright guitars with single coil pickups and other overdrive/boost pedals.

Bright (or Brilliant) channel input has enhanced high and mid frequencies and features attenuated low-end response. It is ideal for darker, humbucker equipped guitars to cut through the mix.

Linked function connects the two input channels to a single volume control for increased gain and enhanced frequency response.

bass: adjust the amount of low frequencies.

treble: adjust the amount of high frequencies.

middle: adjust the amount of mid frequencies.

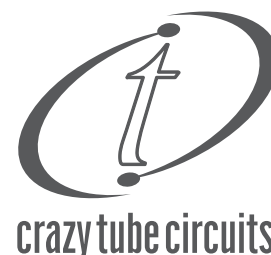
presence: boost the upper mid and high frequencies. Use in conjunction with the treble control to set the high end frequency response. This control is located at the negative feedback of the power amp simulation circuit.

master: set the output volume. The master control has also been designed to emulate the response of the master volume control of the actual amp it was voiced after. Higher settings will yield more drive as the preamp pushes the power amp simulation circuit.

HEADROOM TOGGLE SWITCH ⁽³⁾: select between high headroom and greater dynamic response (**103** setting) or slightly higher gain and more compressed sound (**504** setting).

Footswitches: engage or bypass the BOOST/OVERDRIVE and AMP sections. Both sections are true bypass via high quality relays.

Power-up bypass state preset: On power-up both LEDs will blink and then go in bypass mode by default. Hold the footswitch(es) during power-up to change the default function to engaged (on state). Repeat the procedure above to restore the previous setting. This function comes in especially handy to people that use remote pedal switchers/loopers as they only set the state of the pedal once and then operate from the controller.



Connections:

↓/↑: mono instrument input/output.

SND/RTN: Passive series effects loop. Connect your beloved pedals between BOOST/OVERDRIVE and AMP or use the two sections as separate and independent effects when using an external bypass switcher/looper. SND is the output of the BOOST/OVERDRIVE section, RTN is the input of the AMP section. SND is connected to RTN when no jacks are inserted in the effects loop.⁽⁴⁾

Notes:

⁽¹⁾ A momentary pop is perfectly normal when voicing toggle switch changes state.

⁽²⁾ AMP section does not feature a speaker simulation circuit. It is intended for use as preamp or overdrive pedal with another amp/speaker cabinet. We recommend using a separate speaker simulation device when going direct.

⁽³⁾ Headroom toggle switch effect becomes more intense on higher gain settings or when pushed with a booster/overdrive pedal.

⁽⁴⁾ Any pedals connected to the passive effects loop are still in the signal chain when the BOOST/OVERDRIVE and AMP sections are true bypassed.

⚡ Power supply: 9V DC center negative, regulated/stabilized. Isolated power supply is recommended for best performance. Max current consumption 84mA.

Warning: This unit was designed for 9V DC input only. Do not use a higher voltage power supply as it will cause malfunction and void warranty!

Warranty: HI POWER comes with 5 years warranty from date of manufacture. We will provide service/repair at no cost within 5 years from date of manufacture - buyer is responsible for shipping costs or customs fees and taxes that may apply. This warranty excludes normal cosmetic wear and damages done due to misuse or improper handling.

Contact info:

info@crazytubecircuits.com

Visit our website:

www.crazytubecircuits.com