



## TAURUS

### Blues Overdrive



#### OWNER'S MANUAL

The Celestial Effects™ Taurus Blues Overdrive delivers a new very versatile spin on an old trusted overdrive circuit. It has the ability to deliver a creamy yet clean rhythm boost to near distortion, sustaining crunchy tones with a plethora of versatility. Built like a tank and using the best components available, this pedal will keep you rocking for many years to come.

The Taurus is a true bypass pedal and uses no buffers or inline tone circuits in its design. It features a single paralleled RC4558P opamp amplifier to achieve its gain. The Taurus does not take over your tone but enhances it transparently. With the gain set one to one of your guitar signal, you will notice a fuller, clearer tone. With all the controls set to 10, a crunchy, edgy, harmonically rich tone is produced. Rolling back the EDGE control will smooth out the tone to your exact preference.

There is very little noise filtering in the circuit which allows your guitar's entire signal to come through. The Taurus is extremely touch sensitive and responds beautifully to every nuance of your guitar playing. The Taurus features a clipping diode selector switch for immense versatility. Set to the left, symmetrical silicon diodes are placed in circuit which gives a nice smooth compressed tone with slightly less volume. Set the switch to the right for an asymmetrical MOSFET feature which produces a very nice crunchy tone. Place the switch in the middle to remove all diodes and let all the tone come through unclipped for a larger, more open and vocal tone. The Taurus also cleans up nicely when you roll back the volume on your guitar.

All Celestial Effects™ pedals are hand built and individually tested in Hudson, MA by a company that cares about quality, durability and value.

## CONTROLS

**VOLUME:** This knob controls the overall volume of the effect when the pedal is in use (not bypassed & LED is ON)

**STONE:** This knob controls a parallel high frequency roll off circuit. Turning the knob fully clockwise will allow all frequencies to pass. Turning the knob counter-clockwise will roll off the treble frequencies. The adjustment is intentionally subtle.

**GAIN:** This knob controls the gain of the amplifier section. Turning the knob clockwise will yield higher gains.

**EDGE:** This knob controls is essentially a second order gain control of the amplifier section but also greatly effects the edge or attack of the signal. Turning the knob clockwise will yield an edgier or more biting sound and higher gain. Rolling the control counterclockwise will smooth out the “edge” or attack and also reduce the gain. It also creates a pseudo compression effect to the tone.

**SWITCH:** The three position switch on the front panel allows you to select the clipping diode arrangement in the amplifier feedback section.

### SWITCH SET TO THE LEFT:

Puts in circuit two symmetrical Silicon rectifier diodes.  
These diodes produce a smoother, more compressed tone.

### SWITCH SET TO THE RIGHT:

Puts in circuit three asymmetrical MOSFETs.  
These MOSFETS produce a slightly louder and more biting tone than the Silicon rectifier diodes.

### SWITCH SET IN THE MIDDLE:

Removes all diodes from the feedback section of the opamp.  
This yields a much louder, more open and vocal tone.

## **SPECIFICATIONS:**

True Bypass Switching

Input impedance: 500K Ohm

Output impedance: 10K Ohm

Current Draw: Approximately 20 mA at full ON

Max Gain: Approximately 16.4 dB of gain

## **POWER REQUIREMENTS:**



Internal 9 Volt battery (not included) or any HIGH QUALITY 9 VDC regulated power adapter with a 2.11mm x 5.5mm barrel plug type connector which utilizes a “Center Negative” pin configuration as per the above diagram. Celestial Effects recommends the Carl Martin Powerjack 9VDC power supply or similar. This power supply is capable of providing 1000 mA of power and is noise free. The more the capacity of the power supply, the less chance of noise and hum due to a power supply being pushed to its current capability limits.