

Celestial[★] ★★★★★ Effects[®]

VIRGO Rock Overdrive



OWNER'S MANUAL

The Celestial Effects™ Virgo Rock Overdrive dual opamp based overdrive circuit. It produces a warm, in your face tone. It can be a clean boost or all out 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 Virgo is a true bypass pedal and uses no buffers or inline tone circuits in its design. It features two paralleled TL082 opamp amplifiers to achieve its gain. The Virgo 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 Virgo is extremely touch sensitive and responds beautifully to every nuance of your guitar playing. The Virgo 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 and germanium diode mix 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 Virgo 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.

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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 after the amplifier section. The changes in tone is more subtle than in our Capricorn and Taurus pedals.

SWITCH SET TO THE LEFT:

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

SWITCH SET TO THE RIGHT:

Puts in circuit Asymmetrical MOSFET and Germanium diode mix.
These MOSFETS/Germanium mix produce a slightly louder and more biting and slightly compressed tone than the Silicon rectifier diodes.

SWITCH SET IN THE MIDDLE:

Removes all diodes from the circuit.
This yields a louder, more open and vocal tone.

SPECIFICATIONS:

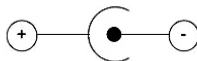
True Bypass Switching

Input impedance: 500K Ohm

Output impedance: 10K Ohm

Current Draw: Approximately 30 mA at full ON

Max Gain: Approximately 15.5 dB of gain



POWER REQUIREMENTS:

Internal 9 Volt battery (not included) or any HIGH QUALITY 9 VDC regulated power adapter with a 2.11 mm 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.