

Celestial[★] ★★★★★ Effects[®]

CANCER



OWNER'S MANUAL

The Celestial Effects™ Cancer Wah the Fuzz? pedal features four individual effects packaged neatly into one enclosure. Each effect can be used individually or in conjunction with each other or other external pedals. It's like a pre-wired mini pedal board with a fixed signal path internally.

1. FIXED WAH

First in the signal path is a fixed wah section. This effect is just like keeping your wah ON and not moving the rocker to actually control the tone of the signal. On the front panel, only the WAH TONE control is available but internally, by opening the bottom cover, there are trim pot adjustments for "Q", GAIN, INPUT IMPEDANCE and MIDS CUT. There is also a jumper block selection available to select one of four center frequencies for the WAH TONE control.

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2. OCTAVE FUZZ

Next in the signal path is an analog octave fuzz based on the Octavia design. Controls are FUZZ, VOLUME and a switch to turn the octave feature ON and OFF. With the octave OFF, this fuzz is a great alternative to a fuzz face type effect. It can go from mild to wild and cleans up nicely when your guitar volume is rolled back.

3. MUSCLE FUZZ

The muscle fuzz section is next in line and started life based on a Ram's Head design but that quickly changed! The tone section was re-vamped and also a clean gain stage was added after the tone section to compensate for the signal loss after it passes through the tone section. This allows you retain that great Ram's Head throaty tone BUT it's not a "muff-led" as in previous models available. Also added was a tone circuit selection switch which turns this little monster into a different animal all together. Controls are FUZZ, VOLUME and TONE and a switch to select Tone circuit.

4. REAL TUBE OVERDRIVE

Last in the chain is a real tube overdrive section. The tube is nestled in the effect cavity and easily accessible and changed out by removing the bottom cover. It will ship with a JJ Tesla 12AX7 but feel free to experiment with different New and NOS tubes. 12AU7 or 12AT7 versions will work as well.

To drive the tube, a stripped down, non-clipping version of the venerable Taurus circuit is present with GAIN, VOLUME and EDGE controls. The tube runs of 9 VDC which in theory should make it last forever, unless you physically break it of course. This section coupled with the fixed wah section conjures up great "Boston's First Album" type tones.

This pedal is a monster and can go from lean to mean with the various combinations. Limitless combinations of tones are available.

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

CONTROLS

FIXED WAH SECTION

TONE:	Controls the fixed wah section TONE.
GAIN ADJUST:	This on-board trimpot is accessed by removing the bottom panel and controls overall fixed wah section's volume level.
IMP ADJUST:	This on-board trimpot is accessed by removing the bottom panel and controls overall fixed wah section's input impedance.
MIDS ADJUST:	This on-board trimpot is accessed by removing the bottom panel and controls overall fixed wah Section's mids response and output.
"Q" ADJUST:	This on-board trimpot is accessed by removing the bottom panel and controls the fixed wah section's "Q".

OCTAVE FUZZ SECTION

FUZZ:	Controls the intensity of the octave fuzz section's FUZZ.
VOLUME:	Controls the intensity of the octave fuzz section's VOLUME.
BYPASS SWITCH:	This switch allows the user to turn off the octave feature of the octave fuzz.

MUSCLE FUZZ SECTION

FUZZ:	Controls the intensity of the muscle fuzz section's FUZZ.
VOLUME:	Controls the intensity of the muscle fuzz section's VOLUME.
TONE:	Controls the tone of the muscle fuzz section.
TONE SWITCH:	This switch allows the user to select one of two tone formats, normal or thick.

TUBE OVERDRIVE SECTION

GAIN: Controls the intensity of the tube overdrive section's FUZZ.

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.

VOLUME: Controls the intensity of the tube overdrive section's VOLUME.

SPECIFICATIONS:

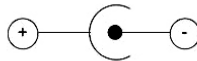
True Bypass Switching

Input impedance: 1 Meg Ohm

Output impedance: 10K Ohm

Current Draw: Approximately 280 mA at full ON

POWER REQUIREMENTS:



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.