



## AQUARIUS Fuzz



### OWNER'S MANUAL

The Celestial Effects™ Aquarius Fuzz was developed with a specific idea in mind, to provide both a germanium and silicon sounding fuzz in one box but use only silicon based transistors. We began the development of the circuit on a standard fuzz circuit platform and plugged in nearly 100 available transistor combinations in search of "The Tone" but were not completely happy with any single transistor combination.

Some sounded thin and brittle, others fat but not enough gain. Then an idea struck us, why not combine a pair of transistors to achieve the correct tone. So back to drawing board we went and began testing pairs of transistors in parallel to coax the right balance of tone and gain from the circuit. The result is Aquarius which has a nice balance of gain and a versatility of many tones.

The FAT control allows you to mix in just right amount of bass and the IMP control allows you to adjust the input impedance to the first gain stage which yields a more germanium sounding fuzz with its control fully counter clockwise or a more biting silicon style fuzz with its control set fully clockwise and many combination in between.

A nice trick we also found was that pushing the input with our Scorpio Super Boost, the fuzz tones available from Aquarius are limitless. The Aquarius is a true bypass pedal and uses no buffers or tone circuits in its design. It features two pairs of paralleled transistors to achieve its gain. The Aquarius does not take over your tone but enhances it transparently.

There is very little noise filtering in the circuit which allows your guitar's entire signal to come through. The Aquarius is extremely touch sensitive and responds beautifully to every nuance of your guitar playing. The Aquarius also cleans up nicely when you roll back the volume on your guitar.

Built like a tank using the best components available, including an all metal powder coated enclosure, CTS pots and Neutrik jacks. Totally hand built, this pedal will keep you rocking for many years to come.

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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)

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

**FAT:** This knob controls the amount of bass frequencies the circuit allows to pass through. Clockwise increases the bass or FAT and counterclockwise limits the bass for a more treble sounding tone. When turned to the more treble sounding settings, the gain will be reduced slightly but may be compensated with the GAIN setting.

**IMP:** Allows user to adjust the input impedance to the first gain stage which yields a more germanium sounding fuzz with its control fully counter clockwise or a more biting silicon style fuzz with its control set fully clockwise and many combination in between. Also useful when certain Wah pedals are used with Aquarius which require a higher or lower impedance to function properly.

## **SPECIFICATIONS:**

True Bypass Switching

Input impedance: Variable via IMP control

Output impedance: 10K Ohm

Current Draw: Approximately 22 mA at full ON

Max Gain: Approximately 12.6 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.