

FET Dream[©]

Guitar Effect Pedal

User's Guide

Thank you for purchasing the FET Dream. You may be wondering why the heck you'd need a user guide for a distortion pedal with four knobs, three jacks, a foot switch and an LED. Well, the answer is, you probably don't. It's pretty straightforward. But at risk of offending you and in hopes that this guide will help you get the most out of your pedal, here goes:

Audio Signal Flow

We've tried to illustrate the signal flow through the FET Dream pedal using direction arrows on the face of the pedal. These aren't just decoration, they indicate the effect elements that your signal encounters as it goes from the input to the output. Please note: the controls on the FET Dream are designed to have useful characteristics over the full range of operation... don't be afraid to experiment and discover your own tone with this flexibility!

Input Jack

Signal input is via the ¼ jack on the right side of the pedal. The pedal is monophonic should be used with a standard ¼ inch mono instrument plug. Plugging into the input activates the pedal circuitry so regardless of whether or not the LED is lit, the pedal is using power if there's a cable plugged in to the input. A stereo jack may interrupt the power circuit and should not be used.

Girth Knob

The Girth control provides pre-distortion equalization of the guitar signal. It controls the bass and lower mid content of your signal. It can be used to fatten up your sound for a nice rhythm crunch or reduce lows to keep a searing lead tone from getting muddy. At low gain settings, the effect on the signal bass content is pretty obvious. However, because the Girth equalization comes before the distortion element, as the drive is increased, the direct effect on your tone becomes subtler and it serves more as a fatness control.

Drive Knob

The Drive control lets you vary the overall gain of the pedal (at full volume) from slightly over 1X to greater than 100X. At the lowest settings the pedal acts as a tube-like clean boost for normal guitar input levels. The higher gains ensure you can get the desired level of clipping distortion from almost any guitar.

Lean Knob

The Lean control acts primarily on the upper treble range of the signal, post-distortion. You can use it to smooth out your distortion tone, taming the highs, or go for a more aggressive, searing tone, by cranking it up. Far from being a simple passive treble cut control, the Lean knob provides a subtle amount of dynamic emphasis that varies over its adjustment range and contributes to the overall clarity and presence of the FET Dream.

Level Knob

The Level control is the last control in the chain and controls the output level of your signal when the pedal is active. Even at the lowest drive settings, the FET Dream provides some signal gain so a certain amount of clean boost is available by cranking up the Level.

Continued on reverse



Cause & Effect Pedals
... the way of tone

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Output Jack

Signal output is via the ¼ jack on the left side of the pedal. The output is monophonic and should be used with a standard ¼ inch instrument plug.

Foot Switch

The FET Dream uses True Bypass switching. Each actuation of the foot switch toggles between bypass and active mode. When bypassed, the guitar signal flows directly from the input jack to the output jack. Otherwise, the signal is routed through the pedal's circuitry.

LED

During normal operation, the bright blue LED is off when bypassed and on when the pedal is active. Of course, if there's no power, the LED will be off regardless and if there's no power in active mode, there won't be any signal output.

Power Jack

This is a standard 2.1mm, center negative power jack. The FET Dream runs on a 9V DC input. The circuitry is optimized for 9V operation, a voltage mimicking a fresh battery, 9.5V, is perfect. The power input is protected from improper polarity. When running off an external power supply, the pedal power is on, regardless of whether or not there is anything plugged in to the instrument input jack. Use of a high quality regulated supply is recommended due to the potentially high gains of the FET Dream. The pedal draws about 6mA when in operation.

Changing the Battery

There is a 9V battery area inside the case. To change the battery, simply remove the four screws from the back of the case and remove the cover, be careful not to short the cover against the back of the circuit board inside. You should achieve at least 50 hours of continuous operation from a good quality battery.

Specifications:

- Dimensions (D/W/H): 4.4" x 2.7" x 2.0" (112mm X 68mm X 50mm)
- Weight: 10 oz. (285g) including battery
- User controls:
 - Girth:** adjustment to balance the low/mids prior to the distortion stage to control the 'fatness' of your sound
 - Drive:** adjustment of the distortion stage gain ranging from unity (minimal distortion level) to maximum (a medium-high level)
 - Lean:** adjustment of the treble content with varying Q, following the distortion stage
 - Level:** adjustment of pedal's output signal level from zero to maximum (gain above zero will depend on drive control setting)
- Bright blue LED status indicator
- *True bypass* switching
- Power consumption: 9VDC/6mA
- Battery: 9VDC (006P)
- AC adapter (Optional): 9VDC, negative tip (regulated supply recommended)
- Input impedance: ~1M ohm
- Output impedance: ~1K ohm
- Powder-coated and silk-screened cast aluminum enclosure
- Hand made with quality components and robust construction in Canada

Warranty

Your Cause & Effect Pedal is warranted for one year against defects in parts or manufacture. We cover parts and labor to repair it, you pay shipping to and from us. The warranty specifically excludes damage due to misuse, improper or poor quality power supply, etc. Pedals that have been improperly serviced, or tampered with are not covered by the warranty.

