

## Driving other pedals

The TxFuzz has an output impedance of less than 10K $\Omega$  and it has a huge amount of signal level available. This makes the TxFuzz capable of driving most other pedals. The only potential issue that we can see is that, with so much available output signal, the TxFuzz may be capable of overdriving the input stage of some modulation pedals.

## Where in the signal chain?

One of the great attributes of the original Fuzz Face is the way it loads and interacts with guitar pickups.

We could see no reason to make changes to this feature, therefore, the TxFuzz has relatively low input impedance, and should be used as the first pedal in the chain, before any buffers. If your board has an input buffer, the TxFuzz should be used before the buffer.

We do not recommend using the TxFuzz with an “active” guitar – i.e. a guitar with inbuilt preamp or buffer

Enjoy!

## Warranty

The ClinchFX TXFUZZ is covered against manufacturing defects for a period of one year from date of purchase. At our discretion we will either repair or replace faulty units. We will not accept responsibility for failures in other connected equipment.

Warranty does not cover failures resulting from misuse including, but **not limited to**: Immersion in liquids, physical damage, incorrect power supply, unauthorized modifications, faults in connected equipment, acts of God, etc.

Return shipping and insurance costs shall be the responsibility of the owner.

Should you wish to make a warranty claim, please notify us using the "contact us" page at [www.clinchfx.com](http://www.clinchfx.com) quoting pedal serial number, purchase date, contact details and proof of purchase from ClinchFX or an authorized retailer. We will then contact you to make arrangements for return or replacement. Should we have an authorized service agent in your area, we may direct you to that agent.

# ClinchFX TxFuzz



[www.clinchfx.com](http://www.clinchfx.com)

## Warning

It is the sole responsibility of the user to ensure that this pedal and any associated cables and equipment are used in a manner that will not present a danger to either the user or any other person, in conformance with any applicable health and safety laws. ClinchFX accepts no responsibility for any personal injury or damage of any kind resulting from improper use of this pedal.

## Power Supply

The TxFuzz is designed to operate from a 9V DC supply. The transistors in the TxFuzz can handle higher voltages but there is no advantage to be gained by running at any voltage greater than 9V DC

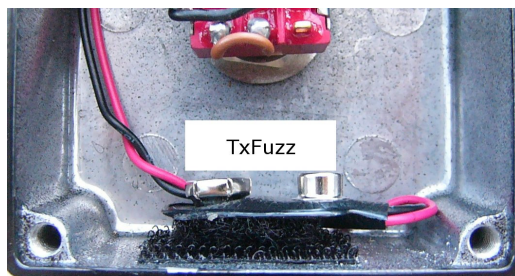
### External Power Supply

Power can be supplied from a **9V regulated** power pack with a 2.1mm coaxial plug with negative connected to the centre pin. The TxFuzz will use only a few Milliamps, but we suggest that the power pack should be rated at greater than 20mA. The pedal is protected from reverse power connection by a diode, reverse connected across the positive and negative contacts of the DC jack. If an incorrectly polarized or AC supply is connected, this diode will effectively short circuit the supply, protecting the pedal circuitry from damage. **If an incorrectly polarized power supply remains connected, the power supply will be damaged.**

### Battery

The TxFuzz can be powered from from a battery, and a battery compartment is provided for powering the pedal from a **9V battery**.

To access the battery compartment, peel off the non-slip base, which is attached with genuine Velcro, commercial quality, hook and loop tape. Remove the four screws that hold the bottom of the box in place.



The battery snap is held to the inside of the box with Velcro. Separate the Velcro and attach the snap to the battery. The battery will fit between the switch and the end of the box. The pedal serial number is also located in this area.

Replace the bottom of the box and the non-slip base. **Note:** The bottom of the box has foam rubber on the inside, but the rubber does not cover the area where the battery sits. If the bottom is the wrong way round, it won't fit over the battery.

## TxFuzz Description

The TxFuzz is based on the same Voltage Feedback Biasing topology that gave us the Fuzz Face, with one major difference. The TxFuzz has an output transformer.

The story behind the TxFuzz is that, a few years ago, a friend persuaded me to build a silicon version of the Fuzz Face, just for fun.

I was not very impressed with the Silicon Fuzz Face in its basic form, and even adding the various modifications from around the Internet didn't help much. At best, there was very much a Solid State harshness to the tone.

I had already designed the Blue Classic with transformer coupling to soften the harshness of overdriven transistors, so I decided to try a transformer in the Fuzz Face. The impedance of the transformer from the Blue Classic did not really suit the Fuzz circuit, but I soon found a transformer that sounds great and, as a bonus, gives a lot more output than the original circuit.

Using an output transformer enabled me to separately optimize DC bias conditions and AC signal conditions. This allows the TxFuzz to cover a lot of ground, from Clean Boost with some "flavour" through Overdrive and Distortion to High Gain Sustaining Fuzz.

## Using the TxFuzz

### Stomp Switch

The switch is 3PDT, True Bypass and has gold contacts for reliability.

**Note:** The switch can assume a "half-operated" state if the plunger is bumped during travel and set-up. This is a characteristic of the switch mechanism and **not** a fault. Always fully operate the stomp switch once before using the pedal.

### Volume Control

The Volume control works like most volume controls. When fully counter-clockwise, there is no output from the pedal. When fully clockwise, pedal output is maximum.

### Fuzz Control

The Fuzz control varies the gain of the pedal. When fully counter-clockwise, pedal output is clean. As you rotate the control clockwise, gain will increase.

### Guitar Volume

You will find the TxFuzz very responsive to guitar volume. Even with the Fuzz control set fully clockwise, the TxFuzz will clean up significantly when you back off the guitar volume. Similarly, the TxFuzz is much more sensitive to playing dynamics than a regular Fuzz Face