

USER MANUAL

ANALOG FOX SUPER FUZZ

Overview

Analog Fox Super Fuzz is based on Univox Super Fuzz, which is a classic fuzz from the late 60s.

We kept the original schematic, but added some mods.

We also increased values of electrolytic capacitors, as it seems to be the most efficient way to get the bass response the vintage units tend to have.

Panel Descriptions

Gain Knob

Used to be called "Expander" in old units. This knob sets the output volume from the first gain stage.

Bias Knob

Old units had this control as a trimpot inside the case. It sets the balance between ring modulator transistors that deliver the octave. The unit is considered biased when this knob is set to 12 o'clock, but you can explore lots of interesting sounds when it's not.

Level Knob

Used to be called "Balance" in old units, this knob sets the output volume.

Loud Switch

Lets you choose between two clipping diode options:

Down – germanium diodes d9k – sound close to the original;

Up – silicon diodes 1n4001 – sound louder and brighter.

Grit Knob

Lets you choose the grain size of the distorted sound by setting the voltage of ring modulator transistors.

Set to 9 o'clock for the standard sound.

More grit might sound nasty, but works great when the pedal is pushed with some overdrive.

Tone Knob

Only active when "Tone" footswitch is engaged. Dials the balance between lows and highs by simply changing the value of one of the resistors in the tonestack. Set to 12 o'clock for the standard setting.

Volts Knob

Sets the voltage delivered to the unit. This affects the sound in many aspects.

Table below shows the range of voltages available with different power supplies:

Input Voltage	Knob at min	Knob at 12 o'clock	Knob at Max
9v	4,9v	6v	9v
12v	6v	7,7v	12v
18v	8,4v	10,9v	18v

This knob might also help if your power supply is not so good and introduces low frequency hum to the pedal. Setting it to about 3 o'clock might help.

On Footswitch

True-bypass switch that turns the effect on/off.

Tone Footswitch

Adds a tone stack with scooped mids when turned on.

Important Note

Notice the silver screw near the output jack of the pedal – it delivers ground to the top side of the enclosure. It should be screwed tightly for the sheilding to work properly.

Specifications

Power Supply

DC 9-18V Center negative (Standard Boss style adapter) or 9v battery

Current Draw

3mA when powered from 9v battery

Dimensions

11.5 x 9.5 x 5.8 cm / 4.5 x 3.7 x 2.3 inch

Weight

496 g / 17,5 oz (including battery)

Warranty

The pedal is covered by 5 year international warranty which means:

1. If you get a faulty pedal - we replace it or refund. And we refund all shipping costs.
2. If a pedal breaks within 1 year - we repair it and refund the shipping costs.
3. If a pedal breaks within 5 years - we repara for free, but charge you for the shipping.

Contacts

If you have any questions - pls send us a message: motion2freedom@gmail.com