

# HIMMELSTRUTZ ELEKTRO ART



Fetto 10  
A Manual

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

### **Prefatory note**

Please read this manual carefully before you begin to play with Fetto. If you don't, you may miss many of the possibilities to get the sounds you want from it.

### **External controls & connectors**

#### **Volume**

Determines the output level of Fetto.

#### **Output:**

Guitar amplifier input is connected here (or line input)

#### **LED:**

Here in a lovely blue color. Tells you if the pedal is on or off. Hopefully you could hear it without this stupid bulb.



#### **Tone**

Passive tone control that feeds or kills the mid/treble frequencies

#### **Drive**

Determines the overdrive/distortion level.

#### **Input:**

Guitar is connected here.

#### **External DC adapter:**

Standard 1,9mm sized barrel jack, 5-24\*\* volt DC with a negative center pin.

#### **Bypass switch**

True bypass

Fetto could be run with any 5-24 volt DC adapter with a negative center pin. Fetto sounds different @ different voltages. At 5 volts it distorts very easy and the dynamics is reduced. At higher voltage you'll get a cleaner and a more dynamic tone. Fetto was developed for 9 volts so we recommend you to use it. **WARNING: Never run Fetto at higher voltage than 24 volts. If you do, it will burn.**

### **How to do:**

No recommendations about *Metal*, *Tweed*, *Brown*, *American* or *British* sounds will be available here. That's because too much depends on what other equipment you use.

Just plug the stuff in and start to play with it and if you don't like what you hear, adjust some knobs and listen again and if you don't like it now, try it all again – trial and error is often a good way to go.

If you don't get a good tone now, we've got some things to solve. It could be:

- Your amplifier isn't as good as it could be (does it sound good without Fetto?)
- Your guitar need new strings etc...
- Impatience or a bad day. Try again tomorrow, because audio is a strange thing. The same tone could sound different at different times.

If it doesn't sound good whatever you do, let's jump to the next chapter – for nerds.

### **Internal adjustments**

To make Fetto even better it's equipped with a few tweak possibilities inside the box. These adjustments are placed inside the box because they're not meant to be used regularly; more to adjust "your" tone one for all. Maybe you wonder why *Stout Of The Art* is printed on the box? Now you know why.

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### **Unchain It**

Use a fitting screw driver to unscrew the 4 rugged screws (picture below).



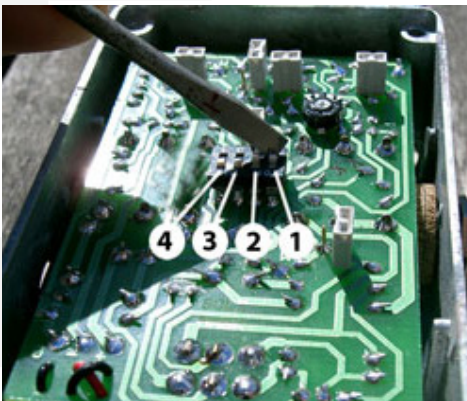
Be very careful whatever you do inside the box. If you're drunk or dealing with other pleasures, skip this part now. Think about the warranty!

### **Inside**

When opened, 4 DIP switches, 6 jumpers and 1 trimmer is available on the bottom side of the printed circuit board (PCB). If you love your Fetto like it is, do not care what is written on the following rows/pages...

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### **DIP switches**



**1 – Bright 1.** Increases treble frequencies dependent on how external **Drive** is set. Bright 1 has no function when **Drive** is set to max. (Default=**OFF**)

**2 – Bright 2.** Increases mid/treble frequencies dependent on how **Trim 2** (next page) is set. Bright 2 has no function when **Trim 2** is set to max. (Default=**OFF**)

**3 – Treble Cut 1.** Cuts high frequencies in the first amplifier stage. (Default=**ON**)

**4 – Treble Cut 2.** Cuts high frequencies in the second amplifier stage. (Default=**ON**)

If the tone is muddy or lifeless with DIP's in default mode, try to enable at least one of the Bright switches (1-2). The sound could get more "air" if you try this.

## Jumpers

### Low End 1

**ON**=Increased low frequencies in amp stage 1.  
(Default=**ON**)

Be very careful with the jumper settings to avoid to break the pins on the PCB!  
(Voids warranty)

If you disable a jumper, don't bring it out of the box. Connect it as one-pin-only instead (as JP2, JP5 in the picture), in case you regret your choice later.

### Low End 2

**ON**=Increased low frequencies in amp stage 2.  
(Default=**OFF**)

### Tone Mode

**ON**=Decreased mid frequencies.  
(Default=**ON**)

### Gain Boost 1

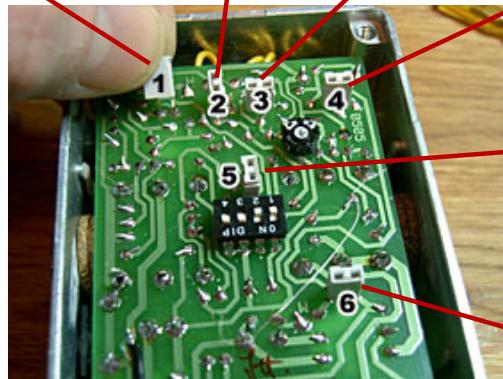
**ON**=Increased gain in the second amp stage.  
(Default=**ON**)

### Gain Boost 2

**ON**=Increased gain in the third amp stage.  
(Default=**OFF**)

### Output Level (Treble Cut 3)

**ON**=Increased output level and high frequencies  
(Default=**ON**)



## Trimmer

If you need more or less gain/drive/distortion – why should you? – be shure to use a small screw driver that really fits for the trimmer.



### Trimmer

Sets the gain for the last amplifier stage, like an extra Drive control.  
(Default=**50%**)

**NB: A lot of time has been spent to optimise Fettos default settings. Because of this, don't change it if you don't really have to!**

### **Batteries**

Another sweet thing about Fetto is the low power consumption. It only takes about 1,5 milliamperes. So your battery – if it's high quality – should last hundreds of hours!

But sooner or later you'll have to replace the battery no matter what. To do that, open the box, unplug the old battery and replace it with a new one (6LR61/9V).

**Always disconnect the Input jack when you don't use Fetto.** Cause it takes some power even when the lovely LED is off if you keep the input cord connected.

Good luck!

**C. J. Himmelstrutz, 2005**



## FAQ

**Q** – I think the tone in Fetto is too muddy. I want more crispness, more brilliance. Is that possible? I hope so, because Fetto was very expensive.

**A** – Yes it's possible and very easy. First try to adjust the tone control clockwise. If that's not enough, open the box and try to play with DIP switches 1-4 (page 2). If you disable DIP 3-4 and enable DIP 1-2, the brilliance for Fetto is set to max. It will upset any dog!

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**Q** – I don't think Fetto has enough amount of distortion. How is that fixed? Do I need a death metal box in serial?

**A** – First try to adjust Drive clockwise. If the distortion still isn't enough, you have a few choices: **1** – Change JP5 to **ON** (page 3). **2** – Adjust Trim 2 clockwise (page 3). If it's still not enough of distortion, you better check your guitar, cables or your ears.

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**Q** – The tone in my Fetto has suddenly become weak and lifeless, like an old man. The award winning blue light is also weak and very depressing. I want my good old Fetto back!

**A** – Open the box and replace the battery immediately.

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**Q** – The tone is too dark. I play guitar, and I want a tone suited just for guitars!

**A** – Check the tone control on your guitar. Then check the tone control for Fetto. If you still get a "dark" tone, follow the steps on page 3 about jumpers. It's possible you'll need to disable both JP 1-2. Another possibility is that you may need to enable one or two "Bright" switches. With Fetto the possibilities are almost endless.

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**Q** – I don't have a guitar amplifier because I think they're ugly, so I want to use Fetto for recordings on my Macintosh computer only. How should I do?

**A** – First of all (as always with recordings) plug your equipment (this time Fetto) into a preamp\* for best impedance matching. Setup the proper input/output levels and try some rock'n roll. **NB.** To get a good DI recording tone for Fetto, at least some treble cut may be needed. For Fetto, IK Multimedia's *Amplitube* ([www.amplitube.com](http://www.amplitube.com)) is highly recommended to be used as a "speaker simulator".

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**Q** – The controls (gain & tone especially) are very sensitive and I think it distorts too much too fast. I'm a country guy with a beard, and I think too much distortion stinks. I want a real American southern country sound. Softer than milk.

**A** – Yes, the controls on Fetto ARE sensitive. So if you want less distortion and treble, carefully adjust gain and tone control counter clockwise. If that's not enough, you may need to decrease the overall gain inside the box. Read the steps on page 2-4 carefully! To disable jumper 4-5 may be a good start for you. And one thing to remember: Fetto is an overdrive/distortion stomp box, aimed to produce distortion.

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**Q** – I have dropped a shipload of beer and pizza in my Fetto, and my younger brother messed with his mascara and lip-gloss all over it. How do I clean it? Petroleum? Mr. Muscle? Fire?

**A** – Never use anything stronger/harder than a soft rag, maybe with a little water to clean it.

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\*Fetto *could* be plugged straight into a soundcard, but it's not recommended.

**Warranty:**

This pedal carries a 1 year warranty that covers all repairs due to manufacturer error only. It does NOT cover any damage from user/owner mishandling, shipping and abuse in any form. Errors caused by internal adjustments is NOT included in the warranty.

Owner is to contact Himmelstrutz Elektro Art directly for all repairs. Any work done by anyone other than Himmelstrutz E. A. voids the warranty.

All shipping costs are the responsibility of the owner, and are to be paid in advance of any work performed on Fetto.

**Disclaimer:**

The owner or user assumes all responsibility for injury, and/or damages relating to the operation of this device (blown speakers, hearing-impair etc). **Always think and be careful: If you hurt your ears they will not heal!**



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