

**Fur Face**  
Effect Pedal Kit by Pedal Markt

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# Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>BOM – Bill of Materials</b>	<b>3</b>

# 1 Introduction

Fur Face is our take on the Fuzz Face circuit. It sounds great on string instruments, guitars, synths and drum machines. It's a hefty, in your face, nasty silicon fuzz.



Figure 1: Fur Face: outside and inside

Fur Face is designed to be easy to build and tune. The pedal uses npn-transistors instead of traditional pnp to simplify the power circuitry.

Fur Face has internal biasing pots for both transistors to allow builders to experiment swapping parts and tuning the device. We include recommended bias voltages for both transistors. Feel free to use those as a starting point. Part of the fun of this kit is exploring how bias affects the sound of the pedal.

Enclosure design of Fur Face is by [Agata Fiz](#).

## 2 BOM – Bill of Materials

Here is a list of parts you'd need to build the pedal. Each row corresponds to a component with a certain value, for example a 'ceramic capacitor with value 1nF.' There could be one or more actual physical parts per each row, their designators are listed in the *Reference* column.

	Ref	Value	Qty	Description
<b>Outboard</b>				
	–	Enclosure	1	
	–	DC jack	1	
	–	DC cable	1	Red and black cables in a JST connector
	–	Audio jack	2	
<b>Main board</b>				
	–	IN	1	White Wire
	–	OUT	1	Yellow Wire
	–	GND	2	Black Wire
	–	Ribbon cable	1	
	R2	1K	1	Resistor for the LED, larger value will make the LED dimmer
	R1	100K	1	Resistor
	R3	470	1	Resistor
	Q1, Q2	NPN Transistor	2	Pinout: emitter / base / collector, please use socket
	J1	Power Socket	1	JST 2-pin m, in the top-center part of the board
	-	Ribbon cable	1	
<b>Switch daughter board</b>				
	-	Footswitch	1	

Table 1: Main Board BOM