

## Univox™ Super Fuzz™ Instructions

Version 2014June20

Copyright 2014 JD Sleep

Permission refused for posting/serving this file from any site other than [www.generalguitargadgets.com](http://www.generalguitargadgets.com)

Trademarks are property of their owners



This is a replica of the **Univox™ Super Fuzz**. The PCB for this project has room for several modifications, including replacing the tone switch with a tone potentiometer, as most modern stompboxes have. These instructions describe how to build it stock as the originals that sold, new, in the 1970's, with a tone toggle switch (originally a slider switch) and no other modifications. Be sure to check out the PDF file with modifications information and decide if you want to build it stock or with modifications.

**Please Note:** The 2N2222A transistors in the kit have a pin designation opposite of most transistors that we use. So The transistors are mounted opposite of what the screen-print on the PCB indicates.

Follow the General Instructions and the Layout/Wiring Diagram. There are some component spots on the PCB that will be empty since they are for modifications. These are C3, C15 and R23 (trimmer). Also there are a few components that will need to be mounted on the switch and Expander potentiometer. You should solder tack these components to the switch or potentiometer and to the connecting wires. Also, make sure you put a little jumper across the R23 trimmer spot as shown in the diagram and in the photo below.

Here's an inside view of the unit we built to give you a general idea of how it looks

## Univox™ Super Fuzz™ Instructions

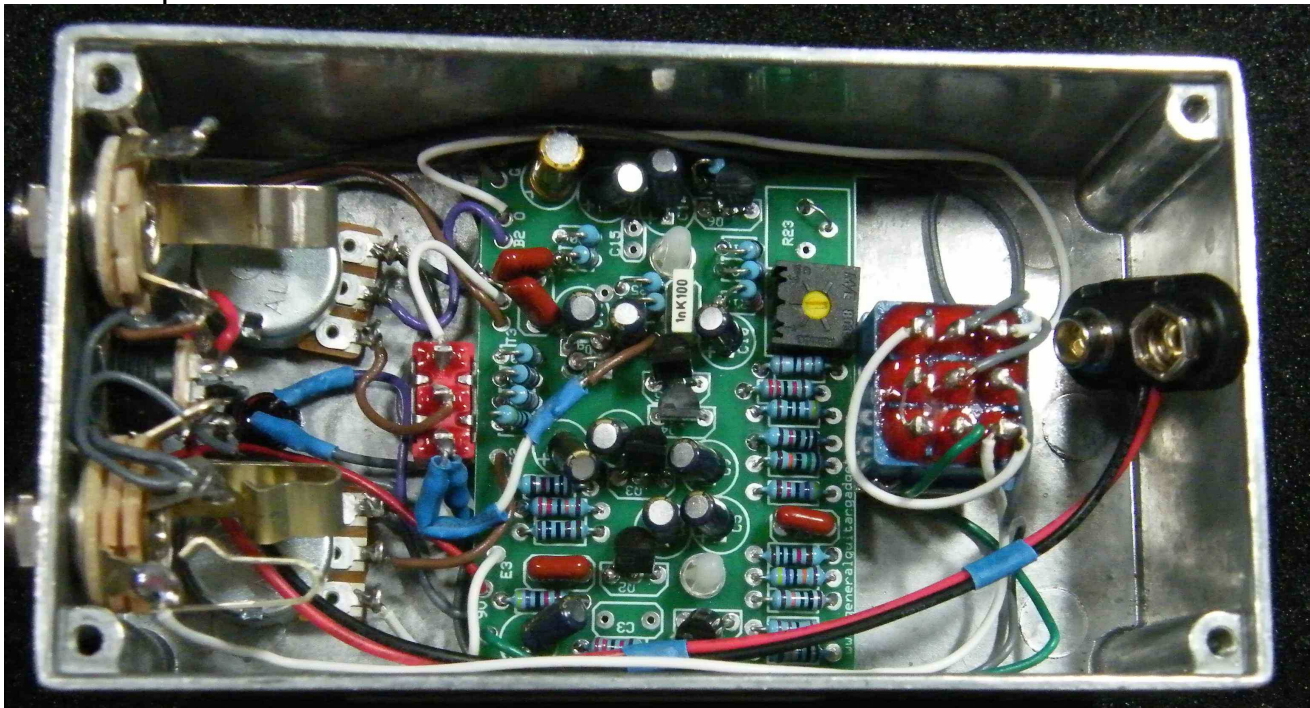
*Version 2014June20*

*Copyright 2014 JD Sleep*

*Permission refused for posting/serving this file from any site other than [www.generalguitargadgets.com](http://www.generalguitargadgets.com)*

*Trademarks are property of their owners*

when completed.



Here is a chart of voltages taken at the transistor pins. Use these voltages as a guideline. You won't get these exact readings, but they should be somewhere in the area.

<b>Component</b>	<b>Location</b>	<b>Voltage</b>
9 volt power supply		9.5v
Q1	Collector	5.6v
	Base	0.8v
	Emitter	0.2v
Q2	Collector	9.5v
	Base	5.6v



# Univox™ Super Fuzz™ Instructions

Version 2014June20

Copyright 2014 JD Sleep

Permission refused for posting/serving this file from any site other than [www.generalguitargadgets.com](http://www.generalguitargadgets.com)

Trademarks are property of their owners

	Emitter	5.0v
Q3	Collector	6.4v
	Base	3.7v
	Emitter	3.0v
Q4	Collector	2.1v
	Base	1.9v
	Emitter	1.3v
Q5	Collector	2.1v
	Base	1.9v
	Emitter	1.3v
Q6	Collector	4.0v
	Base	1.2v
	Emitter	0.6v