

BLUFFER♠

Kit mounting instructions.



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1 What's in the kit?

This is all you must find in your bluffer kit:

Designation	Qty	Assignment
Capacitance 10 μ F	1	C5
Capacitance 1 μ F	1	C1
Capacitance 33 μ F	2	C2,C3
Capacitance 100nF	1	C4
Resistance 1M	1	R4
Resistance 10k	3	R1,R2,R5
Resistance 22ohms	1	R6
Resistance 470k	1	R3
Diode 1N4001	1	D1
TL071	1	U1
Socket 8 pins	1	U1
Jacks	2	
DC jack	1	
Enclosure 125A drilled	1	
PCB	1	
Brace	1	
Input Pins	4	
Wire and thermo wire	...	

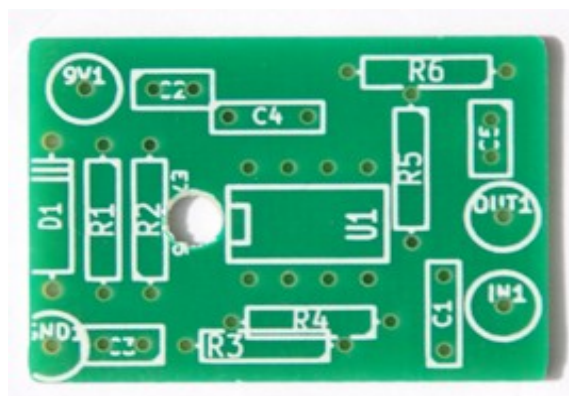
2 What you'll need.

The following tools are needed to build your Bluffer pedal:

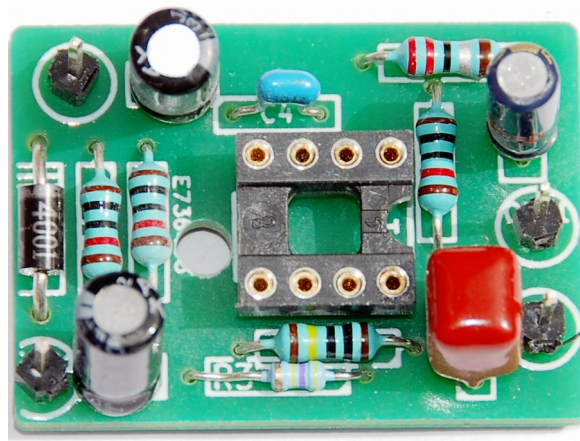
- A soldering iron.
- A un-soldering pump.
- A voltmeter/ohmmeter.
- Pliers to cut wire and remove the wire sheath.
- Pliers to screw nuts.
- A cruciform screw driver.
- And eventually wrenches.

3 Soldering on the pcb.

At the beginning the PCB looks like this, the components are numbered as in the table at paragraph 1:

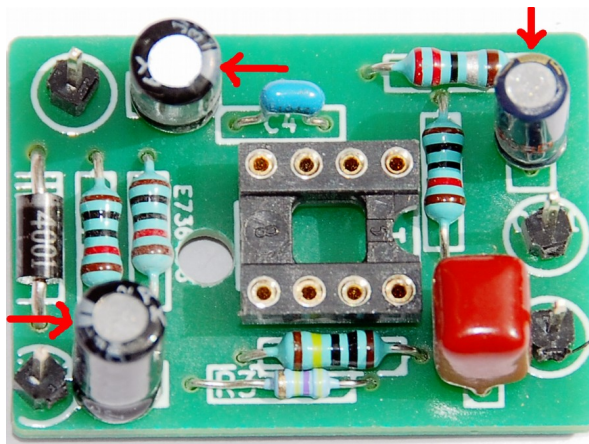


At the end it shall look like that:



Solder the components on the PCBs, beginning by the smaller:

- First all resistances, then the diode (beware of the diode position).
- The socket and the C4 capacitance.
- The 4 inputs pins and C1.
- The 3 remaining caps. BEWARE: this caps have a direction. Note the position of the stripes on the capacitance and place them on your PCB exactly in the same position. (Or it won't work...)



4 Routing in the box.

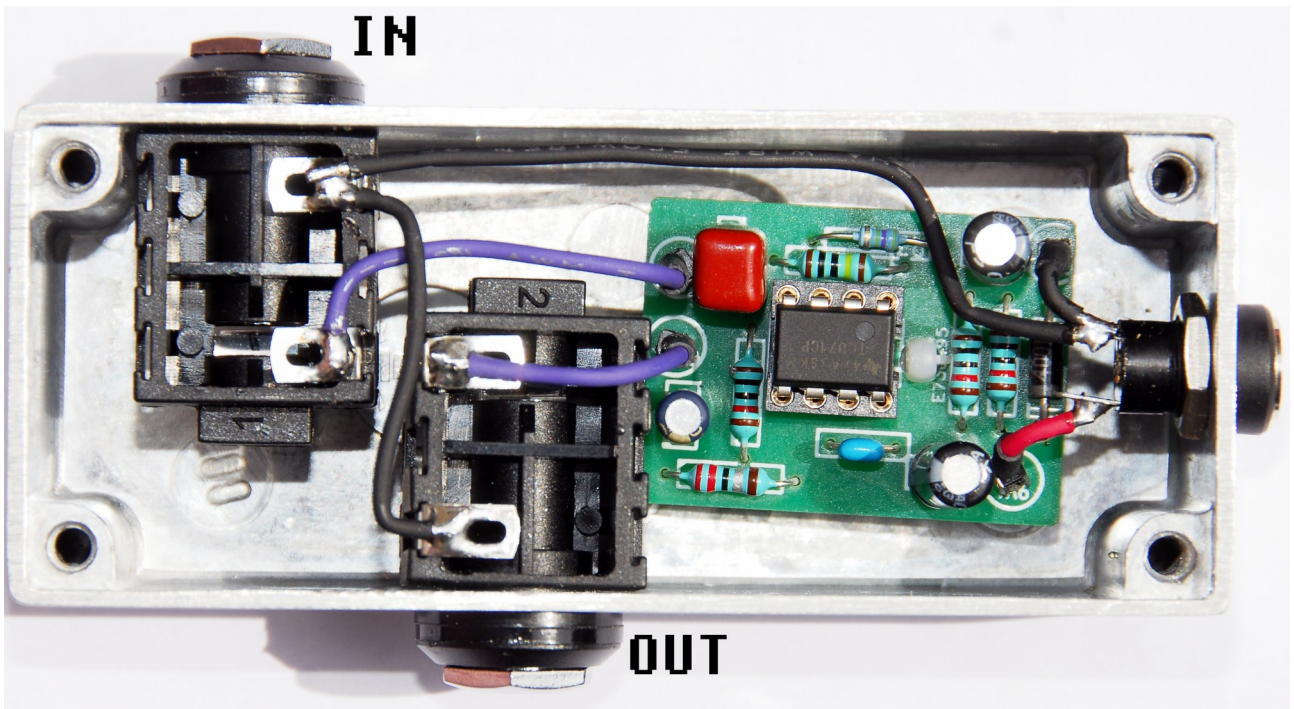
Screw the two audio jacks in the box.

Clip the pcb on that little white plastic holder. Remove the yellow sheet and stick the pcb in the remaining space, more on the audio jack side.

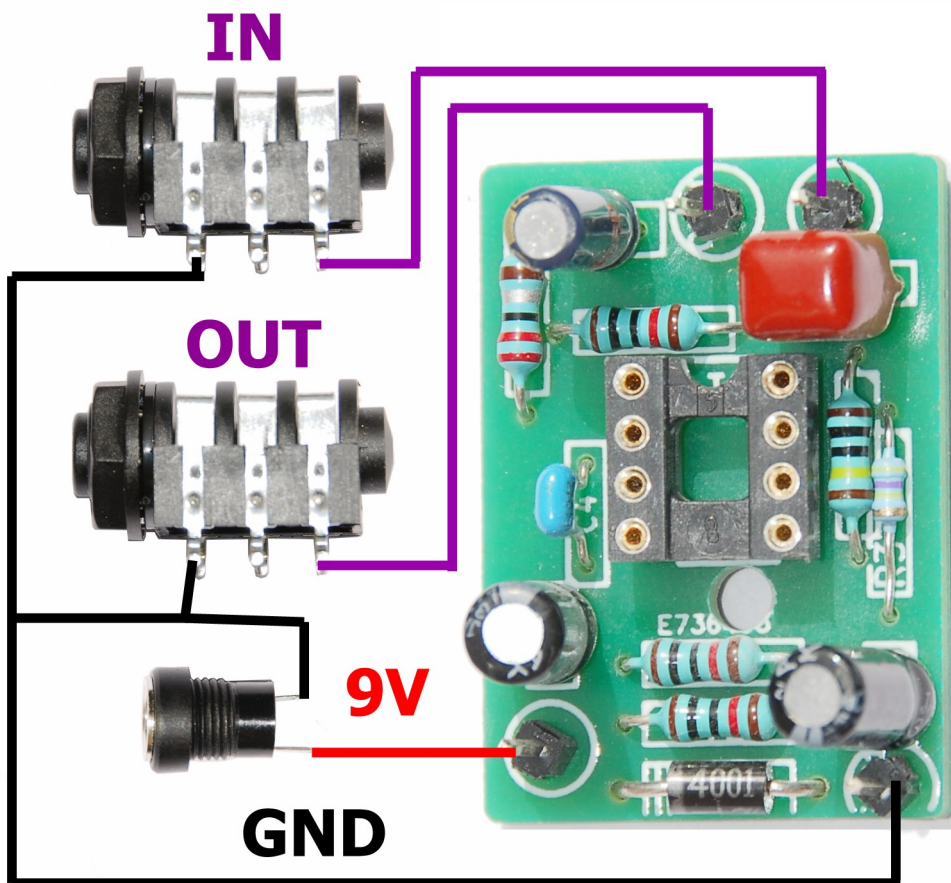
Screw the DC jack.

Now you'll have to solder the PCB and jacks altogether.

Here's how it should look at the end. Black wire is the ground, red is +9v, purple is the audio signal:



Here's the wiring diagram:



Important: for a center negative alim (standard boss), red wire (or positive +9v) must be soldered to the longest pin of ce DC jack.

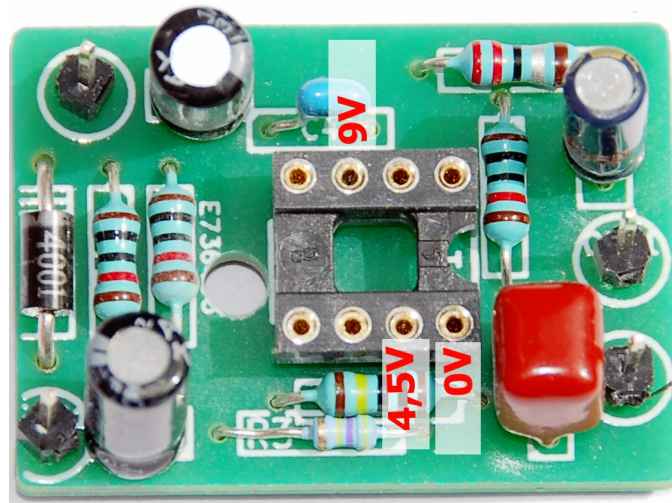
Begin by soldering the wires to the pins on the board. Use the thermo wire to

strengthen everything (optional). Then cut your wires the shorter you can and solder them to the jacks.

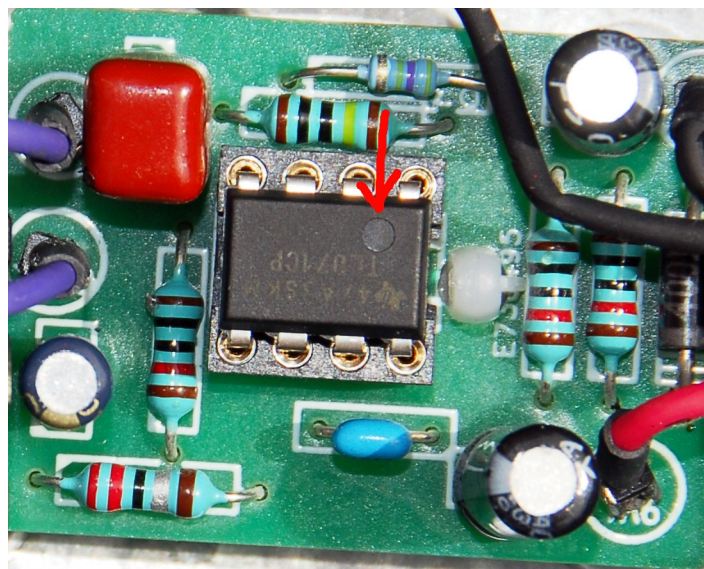
Don't forget to wire one audio jack ground to the dc jack ground.

5 Testing.

Before plugging in the TL071 on his socket, you'll have to check the voltages. Use a voltmeter to check the voltage. By placing your ground (black) probe on the input or output jack ground you should measure:



If these voltages are correct you can now plug in your TL071 in the direction shown here:



Screw back the back of the enclosure and your buffer is ready to use!