

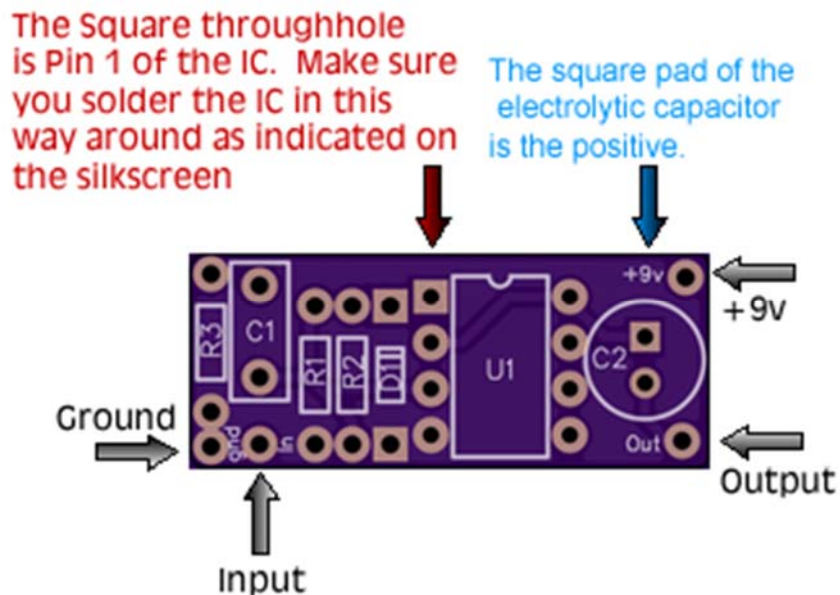


10 Min Buffer

The 10 Min Buffer is a very simple and easy to assemble guitar signal buffer with some added extras including reverse polarity protection and input pull down resistor (an anti-pop measure). The buffer has a high input impedance and low output impedance which are desirable characteristics of a signal buffer.

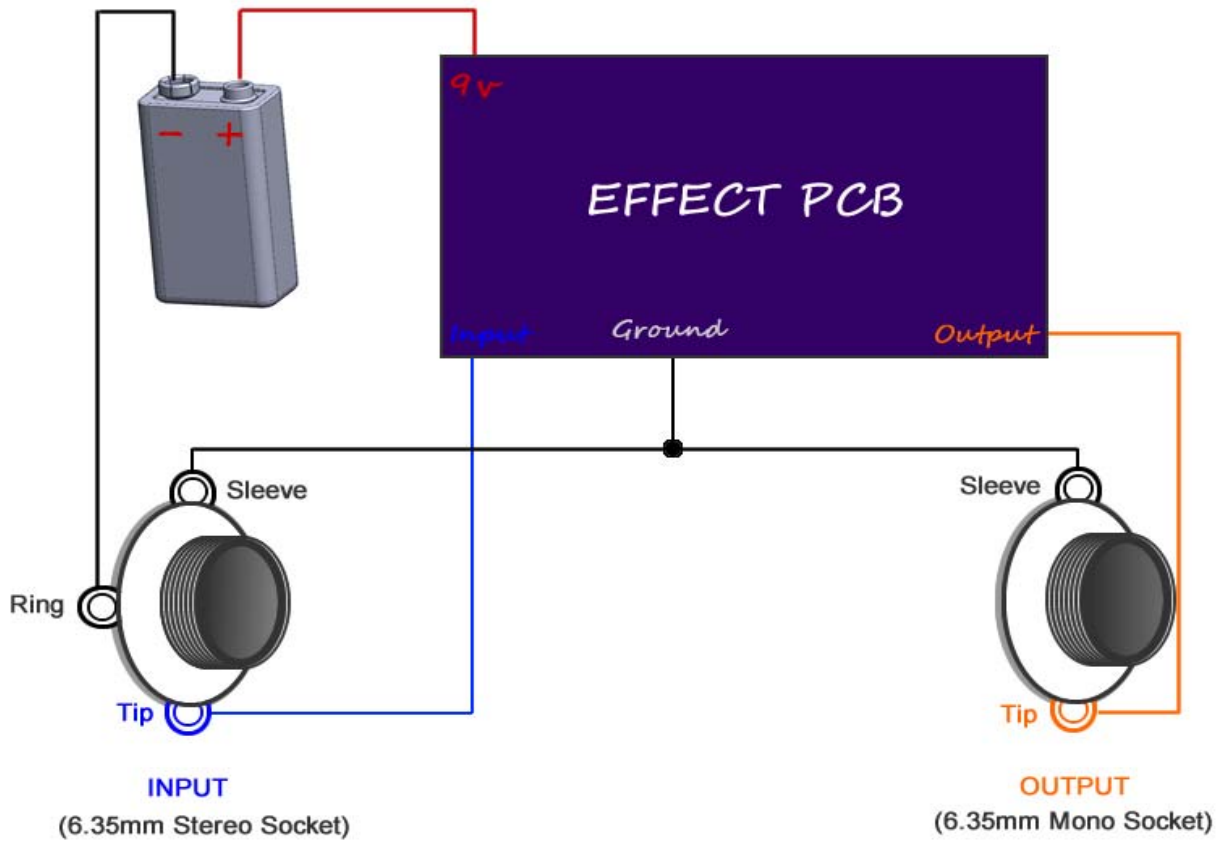
Bill of materials

Resistors		Capacitors	
R1	1 meg	C1	100nf (104)
R2	1 meg	C2	10uf
R3	1 meg		
IC		Diodes	
U1	LM741 / TL071	D1	1n4001



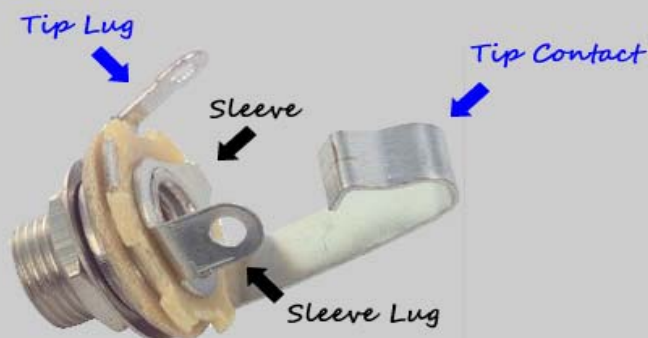
Testing Your Effect

Using aligator clips or soldering directly, wire your effect as in the following...



Input and Output Sockets

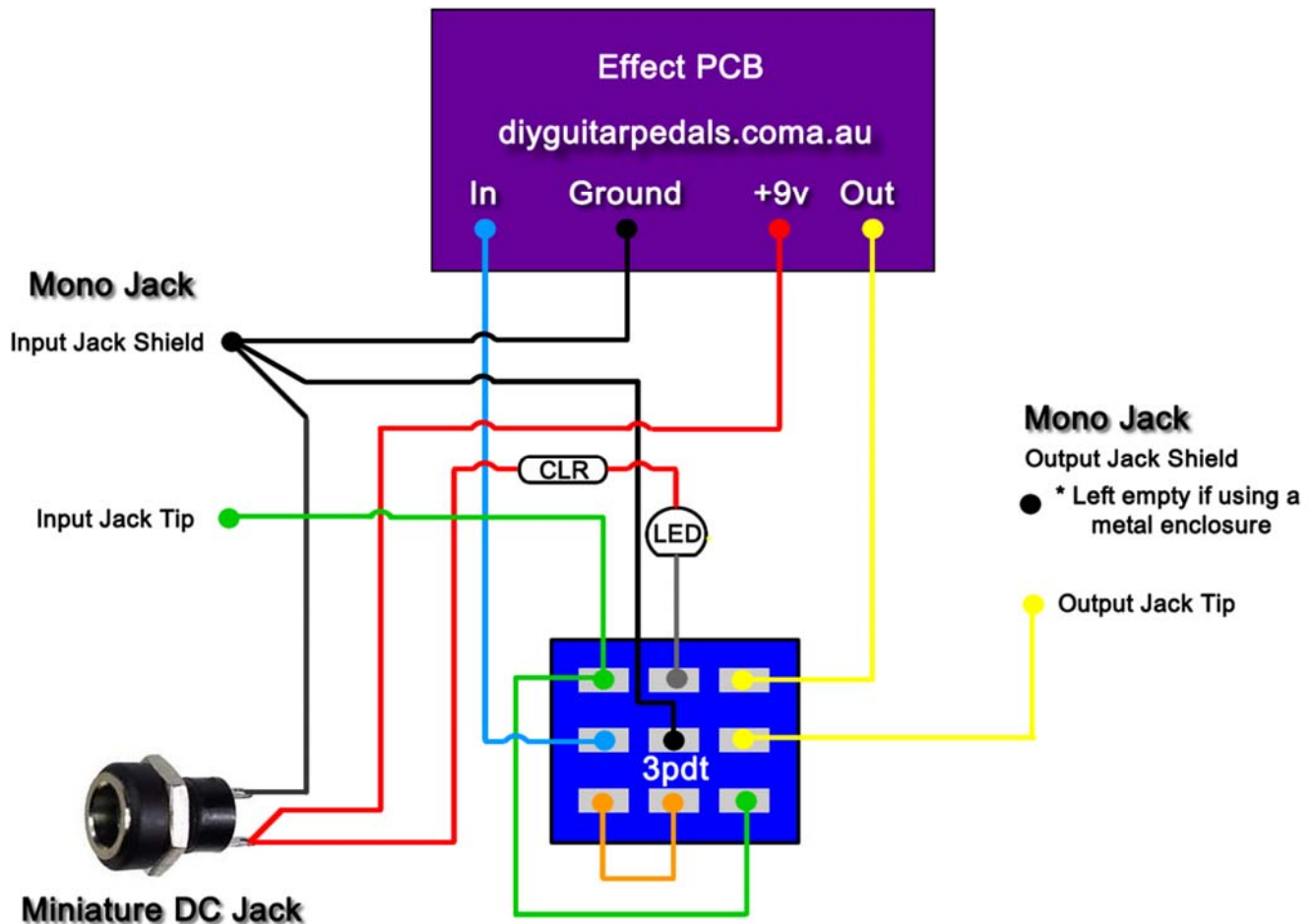
Pay close attention to the lugs of your sockets. Look at them side on so that you can distinguish the sockets individual layers. For instance the tip lug is connected to tip contact. The stereo jack looks the same as the socket below except it has an extra lug and contact for "Ring".



Note, you can still test your effect with 2 mono jacks, just combine the negative of the battery with the ground input sleeve connection.

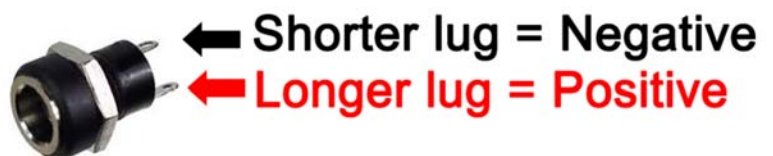
Offboard Wiring Diagram

Using a non-switched Miniature DC Jacks and 2 Mono Jacks (kit option with diyguitarpedal kits)

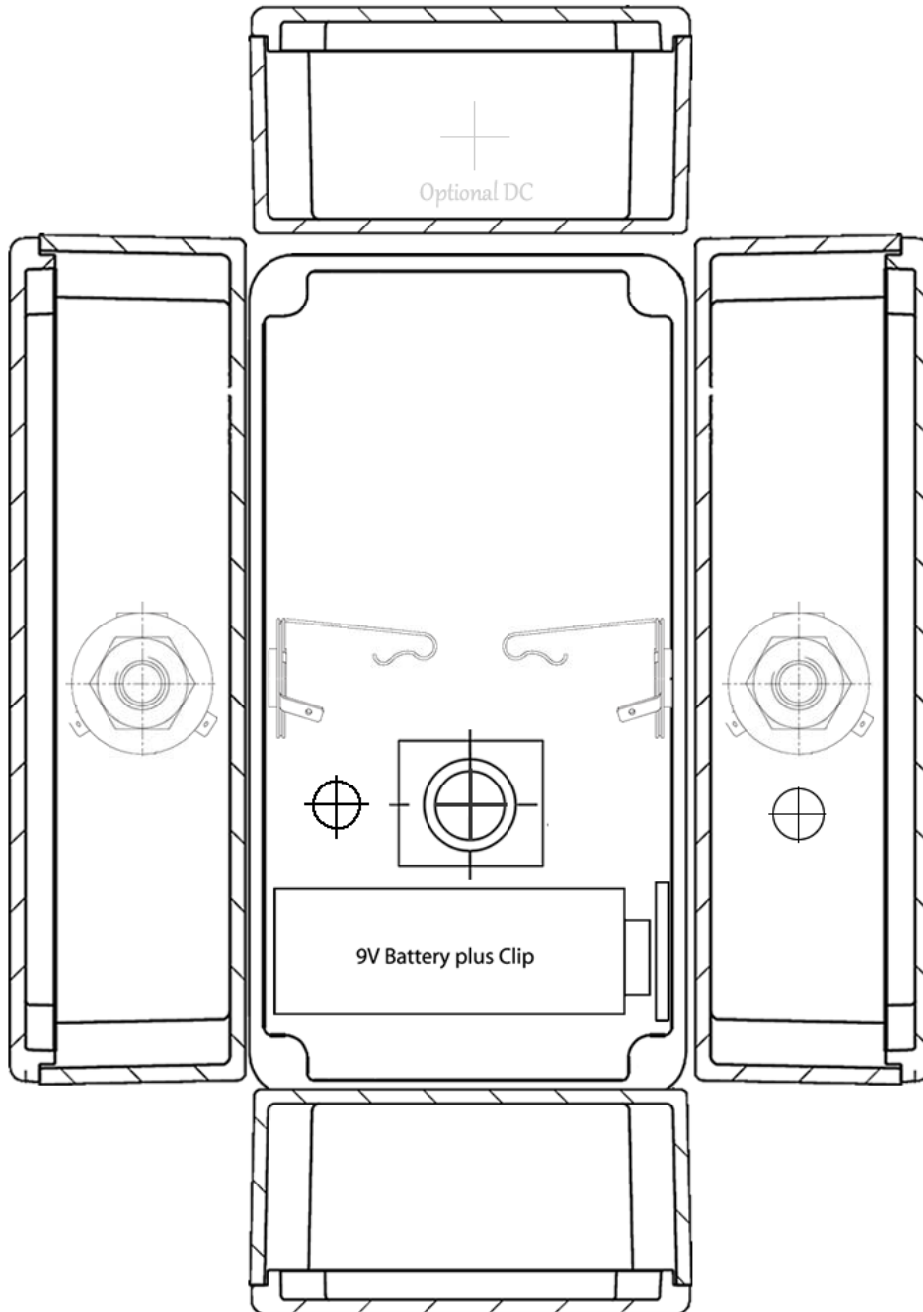


The Lugs of the Miniature DC Jack

The miniature dc jacks that are sold as a kit option with pcbs have 2 lugs, 1 short and 1 long and should be connected as shown in the picture to the right. To confirm which lug is which, sight done the socket hole, you should be able to see which lug is connected to the pin and which is connected to the barrel of the jack. Also note that miniature dc jacks do not allow for battery switching, they can only be used for DC power.



1590b Drill Guide



*Due to variances in hardware and enclosures,
please use this template as a guide only.
Check dimensions before committing to your drill holes.*