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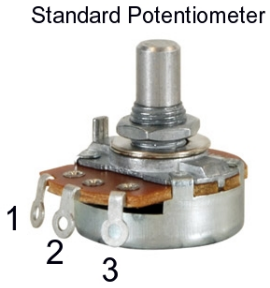
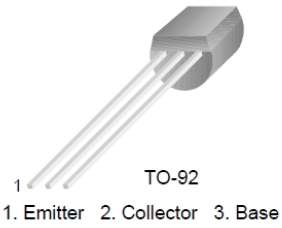
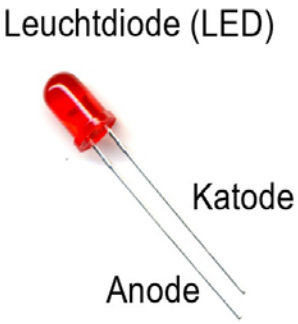
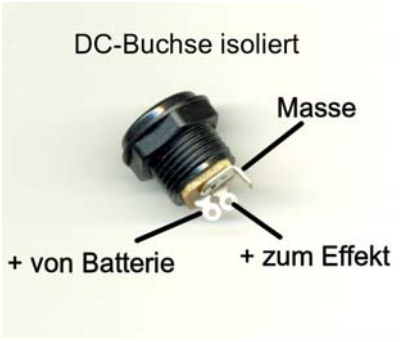
Assembly manual Kit Brian May© Treble Booster

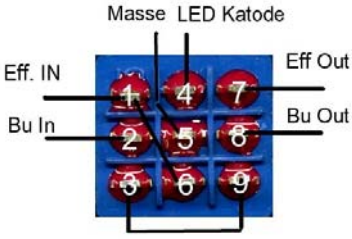
Some connection of important components

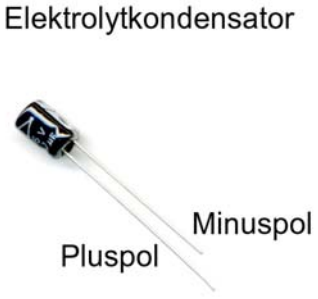




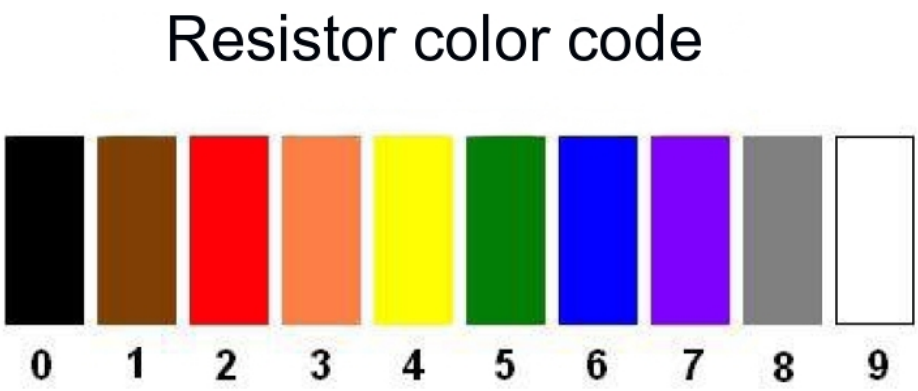


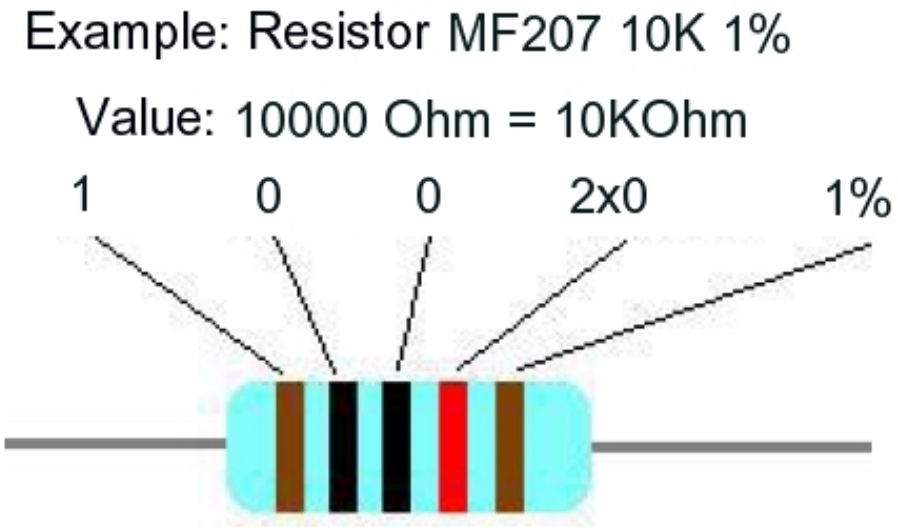




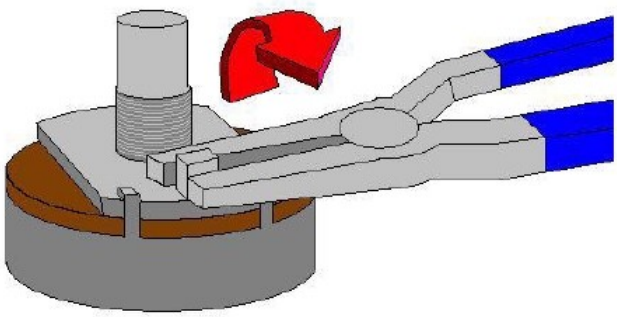


Color table for resistors MF207 FTE52 1% and a example





Breaking nose at the potentiometer
Nase am Poti mit einer Flachzange abbrechen

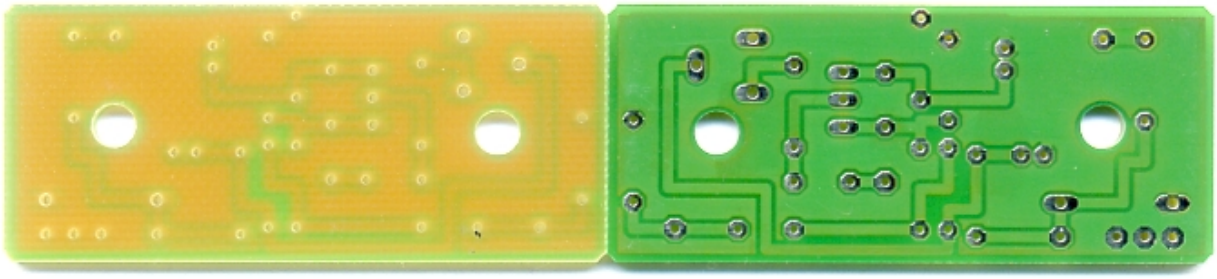


Bill of material

Quantity	Description
1	PCB “Brian May Treble Booster”
1	Audio jack mono ¼“
1	Audio jack stereo ¼“Stereoklinke
1	3PDT switch
1	LED bezel 3mm
1	LED red 3mm Low Current
1	Potentiometer 100K-B (linear)
2	Self adhesive spacer PCB 12,7mm
1	9 volt battery connector
1	DC-jack isolated 5.5/2.1mm
1	Some coloured wire
2	Cable fastener
2	Steel washer 10,5mm (Audio jacks)
1	Steel washer 7,4mm (Pot)
1	BC182-L/BC182-BL or BC184L NPN-Transistor
1	1N5817 (cathode line)
1	MKT capacitor 1nF = 0.001µF
1	MKT capacitor 4,7nF= 0.0047µF
1	MKT capacitor 47nF = 0.047µF
2	Elektrolytic capacitor 47µF/16V or more
1	Resistor 100R (brown/black/black/black/brown)
1	Resistor 1K (brown/black/black/brown/brown)
1	Resistor 2K2 (red/red/black/brown/brown)
1	Resistor 2K4 (red/yellow/black/brown/brown)
1	Resistor 5K6 (green/blue/black/brown/brown)
1	Resistor 22K (red/red/black/red/brown)
1	Resistor 100K (brown/black/black/orange/brown)
1	Resistor 120K (brown/red/black/orange/brown)
1	Variable resistor 5K CA6V

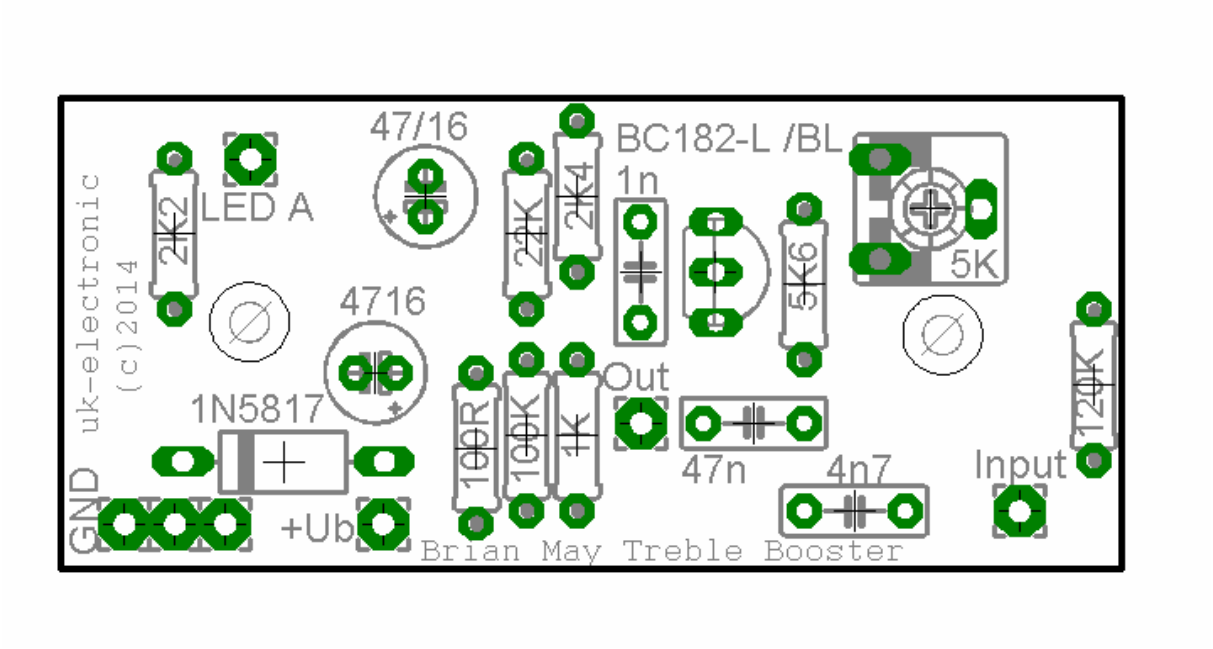
Solder tin not a part of delivery!

Picture oft pcb (Top/Bottom)

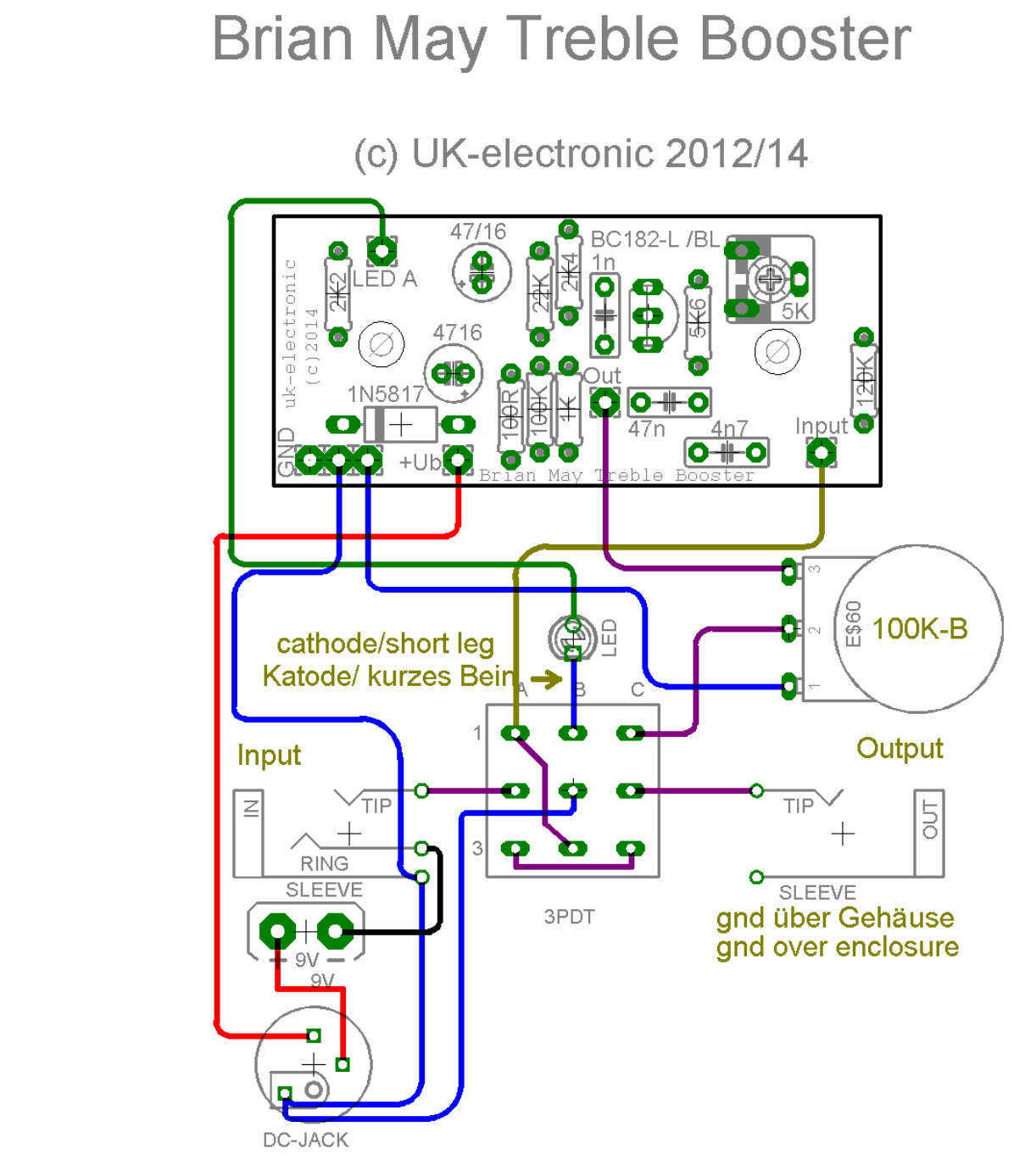


Soldering the PCB

First, the pcb board is assembled by means of the placement schedule shown below . For this we should start with the lowest components to be fitted , ie first of all the resistors, the diode and the capacitor and at last the transistor . Clean work , especially the execution of the solder points should have top priority to generally exclude from the outset assembly and solder defects . The total wiring is then as shown in the wiring diagram. The potentiometer is positioned in the center of the circuit board.
Who the treble booster to altitude Emphasizes works may increase to values up to 22nF without further input capacitor (4.7 nF) . So then the booster is operating in full-range area . It is conceivable to also work with switchable capacitors. The trimmer is adjusted easily by ear. In the original the combination of the resistor 5K6 and the variable resistor 5K is a 6K8 resistor.



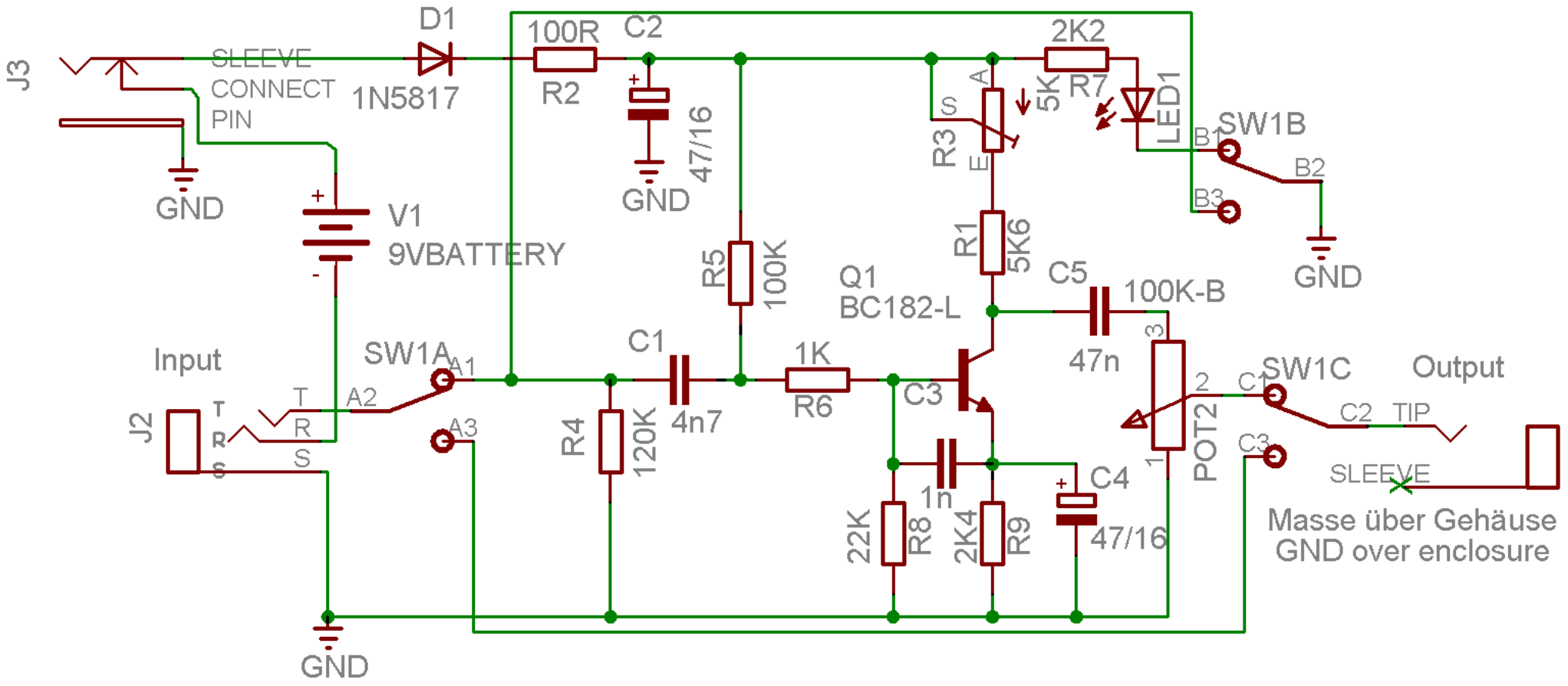
Wiring diagram

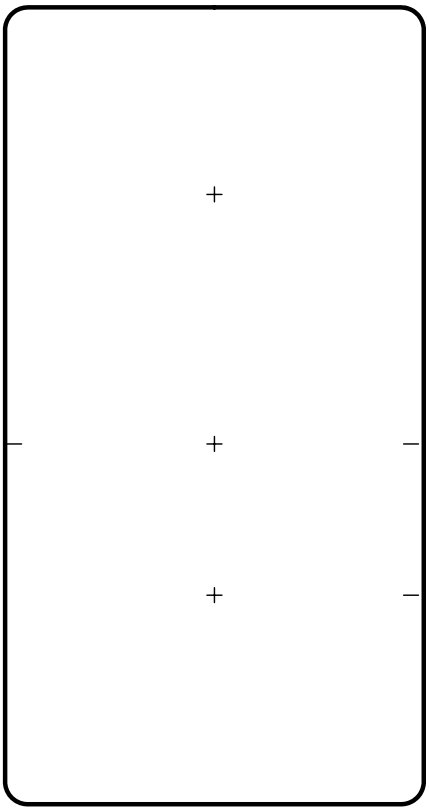


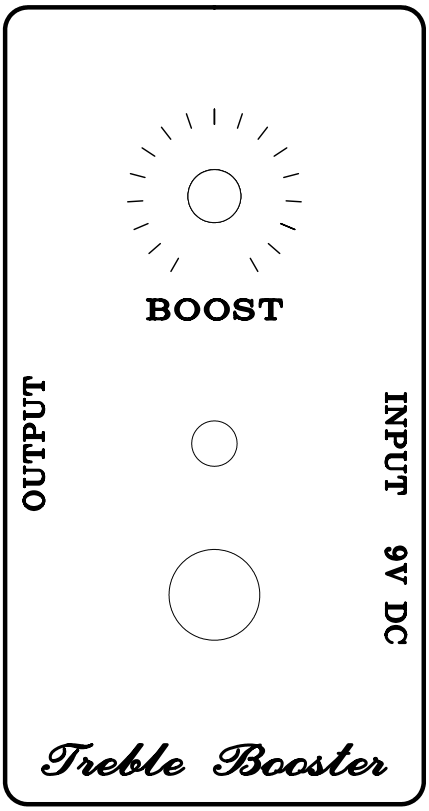
As enclosure use a size 1590B
The following drill diameter should be used:
Potentiometer: 7mm
Jacks: 9,5 mm
3PDT switch: 12mm
DC jack: 12mm
LED Socket: 6mm

If clean up and properly wired, the effects device should work immediately. For any questions we are always available.

Brian May Booster






BOOST
OUTPUT
INPUT 9V DC
Treble Booster