Installation Guide

This is an universal installation guide, useful for all projects with pcb mounted poteniometer.

To successfully build your Musikding kit follow these steps:

Enclosure:
1) Mount the phone jacks in the enclosure.
2) Mount the DC jack.
3) Mount the LED bezel to the enclosure. Remove the plastic part of the bezel, put in the LED and press everything back to the bezel so that the long pin ("+") is on the right side.

3PDT pcb:
1) Solder the LED resistor ("Rled"), all wires and the 3PDT switch to the pcb. You can find the value for Rled in the schematics for your project.
2) Mount the 3PDT switch with the board in the enclosure. Put the LED pins through the holes on the pcb (long pin is +).
3) Solder the LED to the pcb.
4) Solder the wires from the board to the jacks.
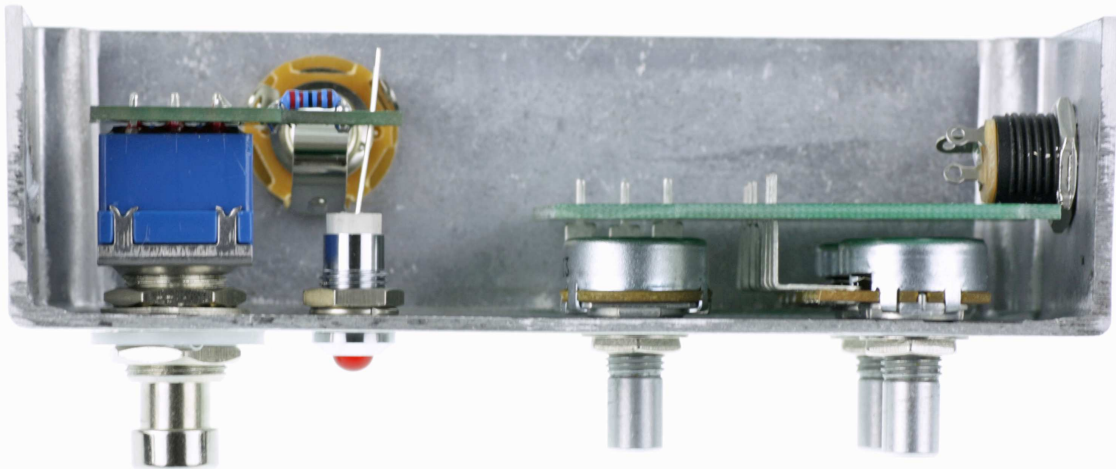
Main pcb:
1) Populate the pcb with all parts except the potentiometer. Start with the lower parts like resistors and diodes, then continue with IC and transistor socket. Finally solder the capacitors. You can find the names and values of all parts in the schematics document.
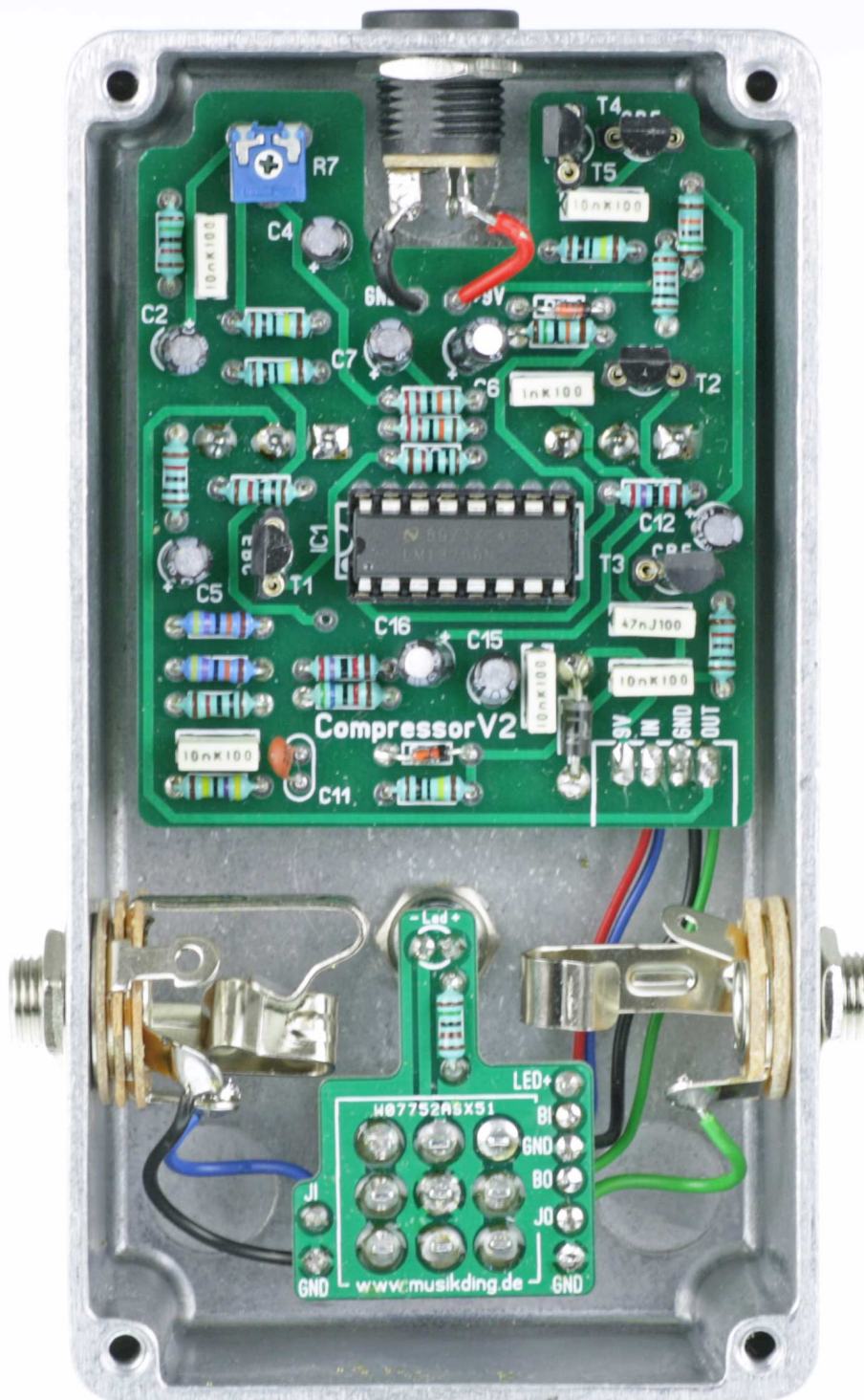2) Solder the black and red wire for the DC jack.

Potentiometer:
1) Put a flat bumper on every potentiometers back. Those are for preventing touching the pots backs to the solder joints on the pcb. Break off the small metal tab using a small plier.
2) Then solder one pin of each potentiometer to the pcb. This later enables mounting the potentiometer in the enclosure without putting to much stress on the solder joints.
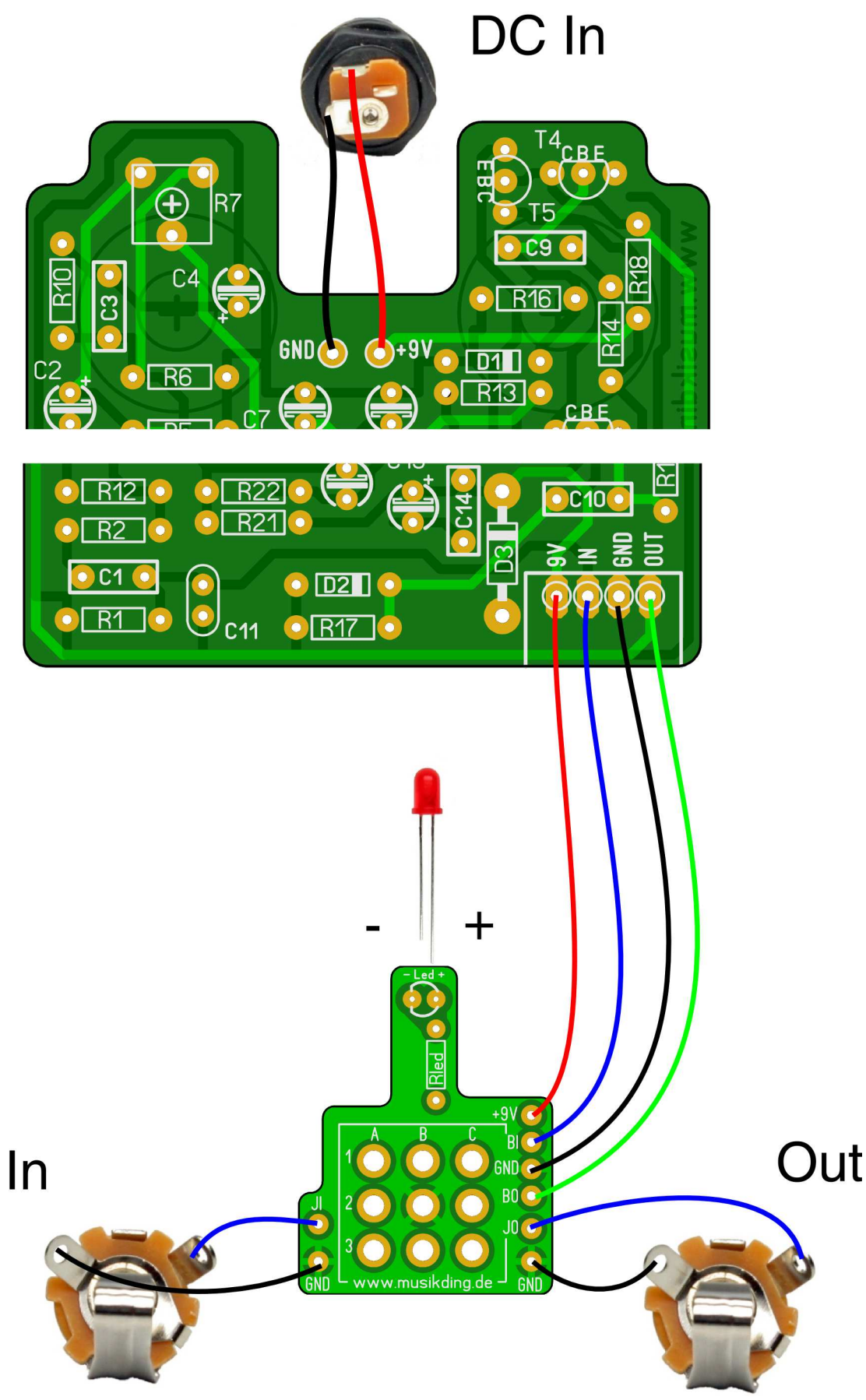
3) Mount the potentiometers holding the board to the enclosure. Align the pots and fasten the nuts. Then solder all potentiometer pins on the pcb.

Final Step:
1) Solder the wires from the 3PDT pcb to the main pcb.

Wiring Guide

DC In

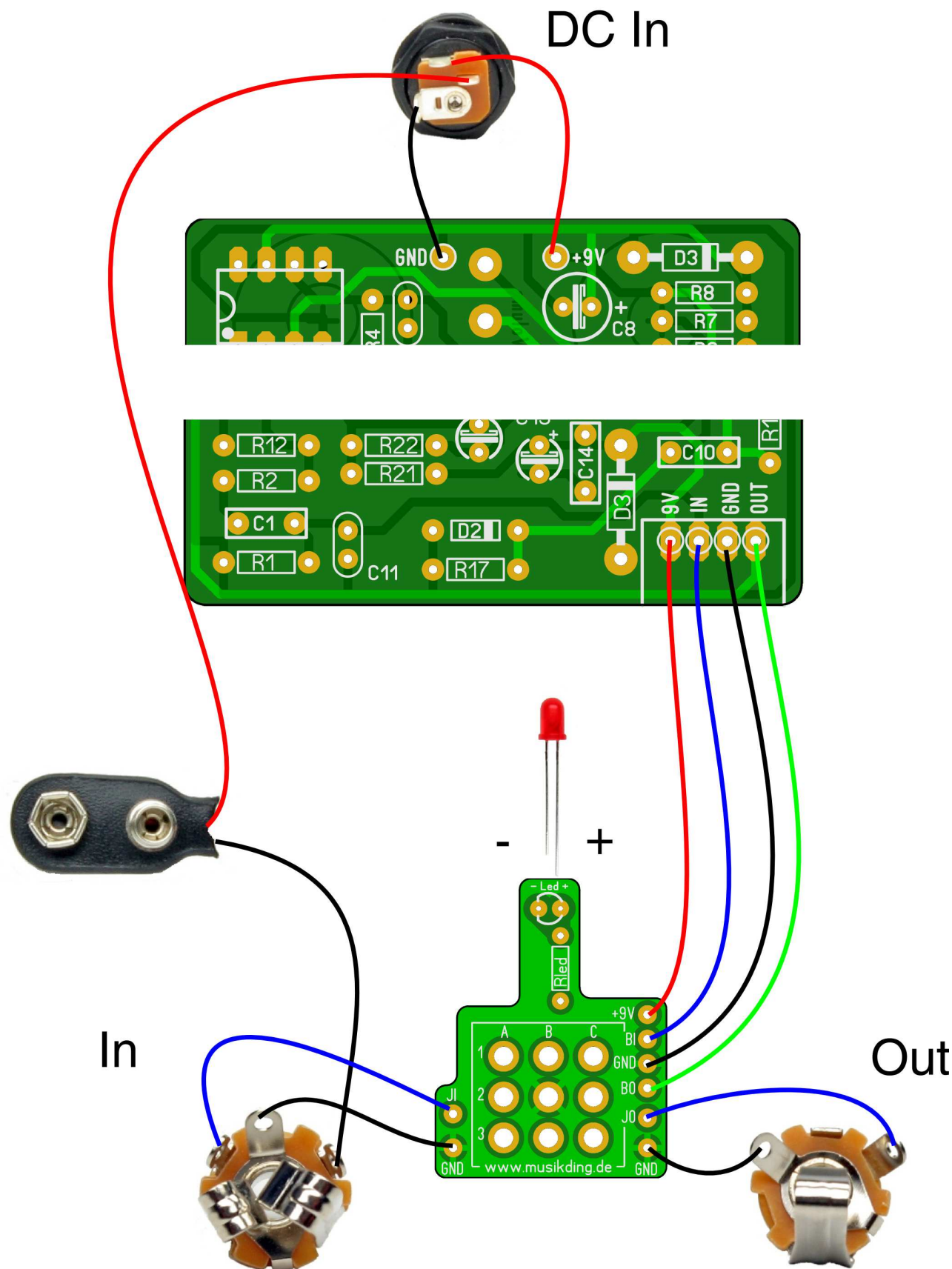GND   +9V

R7
R10   C3
C2   C4
R6

T4   C B E
T5
C9
R16   R18
R14
D1
R13
C B E

R12   R22
R2   R21
C1
R1   C11   D2   R17
C14   C10
D3
9V IN GND OUT

-    +

– Led +

Rled

+9V
BI
GND
BO
JO
GND

A B C
1
2
3
JI
GND
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In

Out

Wiring guide with battery

DC In

GND +9V D3
R8
R7
C8

R12 R22 C14 C10
R2 R21
C1 D2 9V IN GND OUT
R1 R17 D3

C11

In

Out

- +
- Led +
Rled

+9V
A B C BI
1 GND
2 BO
3 JO
JI
GND www.musikding.de GND

This guide is under progress, it will be updated from time to time, so keep checking for newer versions.

If you have any question concerning the build process, just send me an eMail:
kontakt@musikding.de