

## V12V2 adapter board Assembly guide



### Safety warning

The kits are main powered and use potentially lethal voltages. Under no circumstance should someone undertake the realisation of a kit unless he has full knowledge about safely handling main powered devices.

Please read the “DIY guide” before beginning.

Print or open the following documents :

- V12V2 Schematics
- V12V2 Components layout
- V12V2 Parts list

Follow this guide from item number 1 till the end, in this order. The assembly order is based on components height, from low to high profile, in order to ease the soldering process : The component you are soldering is always taller than the previously assembled ones and it is pressing nicely against the work area foam.

### V12V2 Adapter board - Assembly guide



#### 1. Ceramic capacitors

Add C2, C4.



#### 2. Regulators

Add U1 and U2.

**Warning** : Watch out the case direction.



#### 3. Connector

Add CN2. Start soldering one pin, check the position, then solder the other pins.

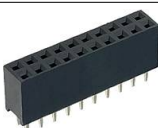
**Warning** : Check the position of the slot, it must not be mounted backwards.



#### 4. Electrolytic capacitors

Add C1 and C3.

**Warning** : The +lead must go into the +hole. Do not reverse (they may explode !)



#### 5. Bottom connector

Add C1 on the back side of the PCB.

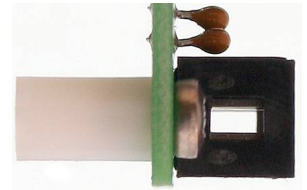


## V12V2 Adapter board - Assembly guide



### 6. Spacers

Attach 2 10mm nylon spacers, below PCB, with 2 M3x6 screws on each side of CN2.



### 7. Wires

For MP12, MP32, MP73 cut two blue/red pairs of 8cm wires.

For MP66 cut one 8cm pair and one 17cm pair of blue/red wires.

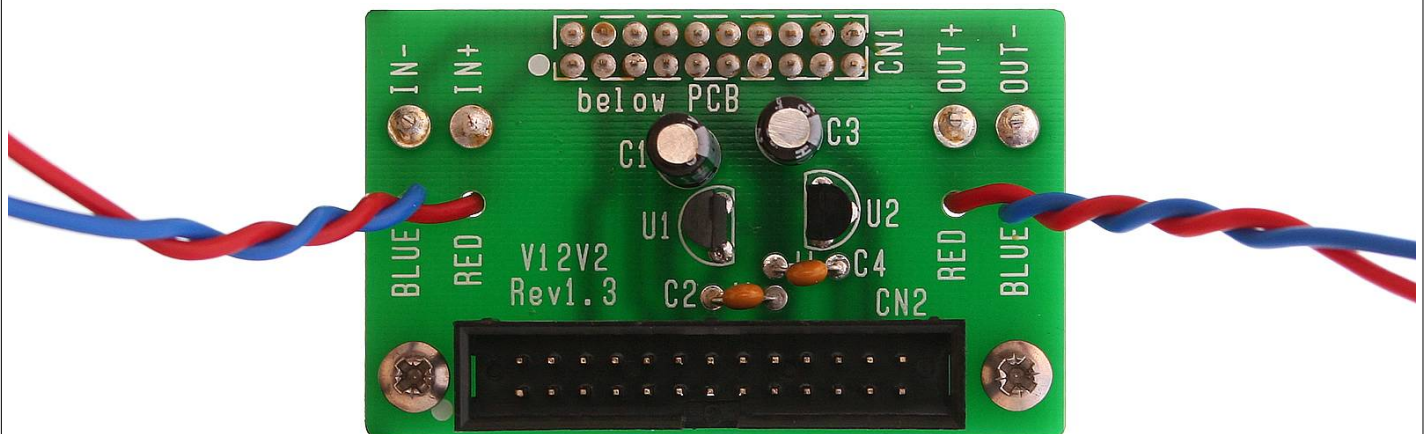
Strip 5mm of one end of each wire.

Solder the red wires at the bottom side of the PCB on the IN+ and OUT+ pads. Long wire on output for the MP66.

Solder the blue wires at the bottom side of the PCB on the IN- and OUT- pads. Long wire on output for the MP66.

Pass the wires through the corresponding holes.

Strip 15mm of the end of each wire and twist the wires by pairs.



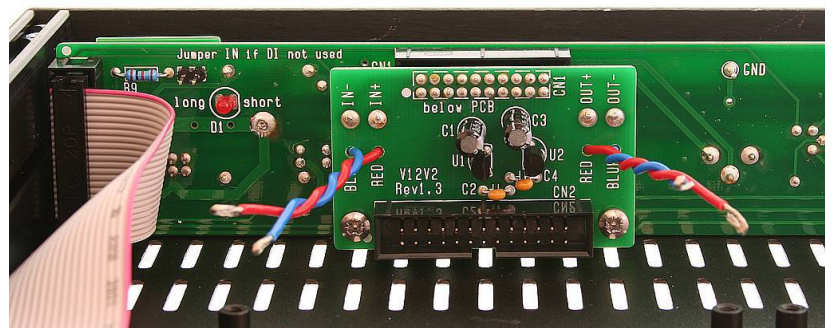
### 8. Check

After your board has been stuffed, brush the solder side with a hard tooth brush to remove any remaining solder bits.

Make a full visual check. Any missing component on the board? Any remaining component in the box?

### 9. Installation

plug the V12V2 adapter board on the corresponding SKMP connector. One V12V2 board is needed for each mic pre.



### 10. Connections

Plug in the 26 conductors ribbon cable between the V12V2 adapter and the mic pre board.

Connect the input and output wires between the V12V2 adapter and the mic pre terminals :

Red left to Input+

Blue left to Input -

Red right to Output+

Blue right to Output -



### VI 2V2 Adapter board - Assembly guide

