Dual Atenuverter V1.2: Assembly manual

Open "Main Board Bag A"

Solder the resistors:

Qty.	Value	Colour code	Name on PCB
2	1k	Brown, Black, Red, Gold	R8, R17
2	3k	Orange, Black, Red, Gold	R9, R18
6	10k	Brown,Black,Black,Red, Brown	R2, R3, R6, R10, R13, R16
2	43k	Yellow, Orange, Orange, Gold	R1, R15
6	100k	Brown, Black, Black, Orange, Brown	R4, R5, R7, R11, R12, R14

Solder the sockets (on IC1,IC2 and IC3), and put the Integrated circuits on them watching the polarity. The ICs are Tl072/TL082.

Open "Main Board Bag B"

Solder the capacitors:

Qty.	Value	Code	Name on PCB
2	100n	104	C1, C2
2	10uF	10uf (watch the polarity!!)	C3, C4

Solder the "Power" connector watching the polarity. It must be on the same position as in the PCB's silkscreen.

Place minijacks ensuring they are by the silkscreen side **but don't solder** them until the front panel is on place and with all nuts screwed on it.
This way it's easier to solder them on the right position. Keep in mind that the front panel holes are quite narrow and it's almost impossible to place it with all the components already soldered.

Cut/Bend the little ledge on all four pots with cutting pliers as pictured:

Cut/Bend the four little ledges under the potentiometer. Two of them might touch ICs contacts.

Put the potentiometers on place (down side of the PCB) but **don't solder** them until they are screwed on the panel (1 aten, 2 aten, 1 offset, 2 offset).

Put the minijacks in place (1IN, 1OUT, 2IN, 2OUT).

Put the LEDS in place (down side of the PCB) watching the polarity (LED100, LED101) but **don't solder them** until you put the panel in place.

Place the front panel.

Screw the pots and the Jacks to the panel and proceed to solder them. Put the LEDs at their right height then solder them.

Put The knobs on the potentiometers.

Plug the Power ribbon cable: The color stripe (negative) correspond to the pin number one of the connectors. The pin number one is indicated with a small triangle and usually with a line in your power bus.