THANKS FOR CHOOSING ONE OF OUR KITS!

This manual has been written taking into account the common issues that we often find people experience in our workshops. The order in which the components are placed on the board is meant to make assembly as easy as possible.

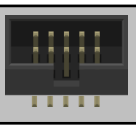
Some steps are not obvious, so even if you're an experienced DIYer please read the steps thoroughly before starting. You will be soldering both boards at the same time.

If this is your first project, please read this article before you start assembling the kit:
www.befaco.org/howto/

GOOD LUCK!

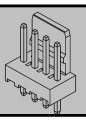
The components are placed on the main board, split the boards apart and save the control Board for later.

POWER CONNECTOR



Solder the power connector on the bottom face of the main PCB, ensuring it is facing out from the edge of the PCB. The small arrow on the connectors must be on the side with the thick white line.

JST Connector



Solder the 1x4 JST connector, on the bottom face of the main PCB, marked as Expansion port.
The line on the silkscreen matches the plastic latch of the connector.

SPACERS

Secure the spacers onto the CONTROL PCB (through the two holes with silver outline) using the M2x5mm screws. Use provided allen key.

FRONT PANEL COMPONENTS MOUNTING TIPS:

Now we will proceed to mount the jacks, and potentiometers. This part of the assembly is CRITICAL. Please take your time and read the following instructions carefully.

These components must NOT be soldered until they are placed on the PCB and fully attached to the front panel.

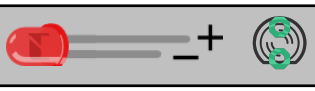
Is very difficult to align the components to the holes if the panel is not positioned prior to soldering. In the case of the LEDs, they are almost impossible to set to the correct height without reference to the front panel.

MINIJACKS

Place the mini-jacks on the PCB ensuring they are on the side with the silkscreen but **don't solder them**.

ty	Value	Name on PCB
1	Stereo jack (green)	IN
7	Mono jack (black)	OUT1, OUT2, OUT3, OUT4, OUT5, OUT6, OUT7

LEDs



Place the LEDs onto the PCB minding, their polarity, but don't solder them until the front panel is in place. This is the only way to solder them in the right position.
The long leg is the positive and the short the negative. The negative leg should be face the flat side of the silkscreen

Qty	Type	Name on PCB
5	Red 2mm	LED1, LED2, LED3, LED4, LED5

FRONT PANEL

Attach the **front panel** adjusting the parts one by one if necessary until they fit. At this point a pair of fine tweezers can be helpful.

To finish:

- Secure the **Mini-jacks** to the panel.
- Ensuring all of the above parts are **flush with the panel** This is critical, as pots might short components behind them. Then you can finally **solder** them all!

- Next, adjust the **LEDs** so that they are flush with the panel and solder them.

- Connect the **main PCB** to the **control PCB** by threading the M2 screw through the main PCB and securing them to the spacer. The main PCB should be orientated so that the component side is facing towards the front panel.

- Connect the **power ribbon cable**: The red wire (-12V) on the power ribbon cable corresponds to pin number one on the male power connector. The number one pin is indicated with a small triangle on the male power connector and a white line on the main PCB. A white or black line (or "-12v") marked on your power bus normally indicates the corresponding pin.

ENJOY YOUR NEW BEFACO MODULE!