

THANKS FOR CHOOSING ONE OF OUR KITS!

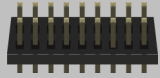
This assembly guide has been designed taking into account the common issues that we often find people experience in our workshops. The order in which the components are placed on the board is meant to make assembly as easy as possible.


Some steps are not obvious, so even if you're an experienced DIYer, please take the time to read the steps thoroughly before starting.

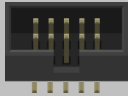
If this is your first project, please read this article before you start assembling the kit:

www.befaco.org/howto/

GOOD LUCK!

PIN HEADERS 		
Place and solder the Pin Headers on the silkscreen side of the main board (It is the shorter pins that you are soldering). Double check they all are perfectly straight.		
Qty	PINs	Name on PCB
1	2x6	JP1

SOCKET CONNECTORS 		
Place the socket connectors on the control board over the silkscreen markings at positions and solder. Double check they all are perfectly straight.		
Qty	PINs	Name on PCB
1	2x6	JP2

IDC CONNECTORS 		
Solder the IDC connectors at bottom face of main board. Orientation is marked by the notch on silkscreen, also the small arrow on the connectors must be on the side with the thick white line or a arrow.		
Qty	PINs	Name on PCB
1	2x3	INPUT
1	2x5	POWER

3 POSITION SWITCH		
Place the switches on their right places, push them till are flush to the PCB. Double check they all are perfectly straight and solder them.		
Qty	Type	Name on PCB
1	Mini. 2 circuits 3 position	SW100

FRONT PANEL COMPONENTS MOUNTING TIPS:

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

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

There are two reasons for this:

The height of the panel components are not all the same. Because of this, if not attached properly before soldering, they will not stay properly seated against the panel. This might cause mechanical stress reducing their life expectancy and in the worst case cause them to break.

The second reason is that it 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.

SPACERS

Secure the spacers onto the CONTROL PCB (through the 3 holes with silver outline) with the main body of the spacer on the component side, and the nut on the mechanical side.

MINIJACKS

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

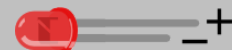
ty	Value	Name on PCB
1	Stereo jack (green)	ST IN
2	Mono jack (black)	OUT_L, OUT_R

POTENTIOMETER

Now place the potentiometer on the PCB but... **don't solder it yet!**

Qty	Type	Name on PCB
1	Dual 100k	POT

LEDs



Place the LED 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. On the PCB the square pad indicates the negative side and there is a + symbol to indicate the positive.

Qty	Name on PCB
2	LED_L, LED_R

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 parts to the panel in this order: A) **Mini-jacks** B) **Pot**
- Ensuring all of the above parts are flush with the panel then you can finally **solder** them!
- Next, adjust the **LEDS** so that they are flush with the panel and solder them.

FINISHING

- Put the **knobs** on the potentiometers.
- 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 first 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 polarity.

ENJOY YOUR NEW BEFACO MODULE!