

THANKS FOR CHOOSING Motion MTR KIT!


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.

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

www.befaco.org/howto/

HAVE FUN!

POWER CONNECTOR	
Solder the power connector, taking care of notch orientation	

3 POSITION SWITCHES		
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
4	Mini. 2 circuits 3 position	SW1, SW2, SW3, SW4

FRONT PANEL COMPONENTS MOUNTING TIPS:

Now we will proceed to mount mechanical parts to panel. 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!!!

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.

POTENTIOMETERS		
Now place the potentiometer on the PCB but... don't solder it yet!		
Qty	Type	Name on PCB
4	Single (3pin) B10k	P1, P2, P3, P4

MINI-JACKS	
When opening this bag, be careful not to mix jack nuts with pott nuts. They are similar but different! Place the mini-jacks on the PCB ensuring they are on the side with the silkscreen but don't solder them until the front panel is in place with all nuts screwed to it. This way it's easier to solder them in the right position. Keep in mind that the front panel holes are quite narrow and it is almost impossible to place it with all the components already soldered.	

LIGHTPIPE CROWNS

Place the LEDs Crowns onto the Front Panel these will be fit when attach the panel and screw all components.

FRONT PANEL

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

To Finish:

- Screw in the parts in this order: A) **Mini-jacks** B) **Pots**.

- Ensuring all of the above parts are flush with the panel and both PCB and panel are perfectly parallel. Then you can **finally solder** them!

- 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 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 MODULE!

