

CATWALK LPG/VCA

this to be neat, but also as slim as possible.

4. Insert the short LED leg of the optocoupler into the square pad of "led1" and the longer leg into the round hole. Don't solder them into place yet.

Fig. 1

1. Take either the supplied ceramic capacitor to build an LPG [Fig. 1] or the resistor for a VCA and solder it in the "cap/res" footprint holes on the underside of the PCB. Orientation of whichever component you choose is not important.



2. Solder one leg of each jack into place on the bottom PCB [Fig. 5]. Make sure the jack lies perfectly flat on the PCB. Put the faceplate on and solder the rest of the jack legs into place, then take the faceplate off afterwards. We do this to ensure the jacks fit perfectly in the holes.

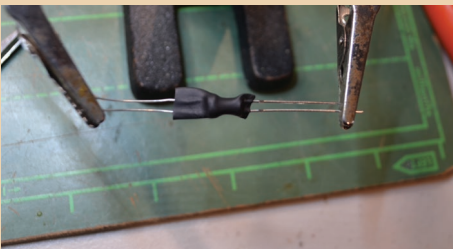


Fig. 5

3. Make the optocoupler by putting the LDR (light dependent resistor) facing one of the supplied LEDs, as shown in Figure 3, inside of the supplied heat shrink tube. Heat the tube up with your soldering iron, hot air gun, or whatnot and when the tube is hot, press the ends together to seal out all external light. If there is much excess tubing, carefully trim it away. We need

5. Next, bend the LDR legs (they're both the same length and have thinner leads than the LED) and insert them into the "ldr" holes. Push them as flush to the bottom of the board as you can, while making sure that none of the optocoupler leads are touching any jack legs. If they are, bend them away. Using pliers or tweezers may help with this. Flip the board over and solder the LED legs in place, and then the LDR legs. If you can't reach the LDR legs from the top side of the PCB, you can solder them from the other side. Look over Figure 4 to see how this should look when it's all in place.

Fig. 4

6. Insert the other LED into the "LED2" pads, the short leg going into the square pad, and the long leg into the round pad. Don't solder them into place yet.

Fig. 7

8. Put the top faceplate in place. One side says "VCA", and the other "LPG", so use the appropriate side. Carefully manipulate LED2 so that it goes in the small hole on the right of the faceplate. Screw the nuts on to secure the faceplate.

Re-inspect to make sure none of the leads from the optocoupler/LED are touching each other or anything else. If they are, carefully bend the offending lead away with a small screw-driver or tweezers.

FINISHED!

Now it's time to attach it to your case.
[CONTINUED ON P. 36]

CATWALK CATTENUATOR

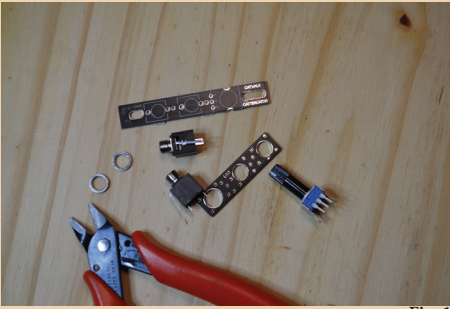


Fig. 1

1. Solder one leg of each jack into place on the bottom PCB. Make sure each jack lies perfectly flat on the PCB. Put the potentiometer in its place, but don't solder it in yet.

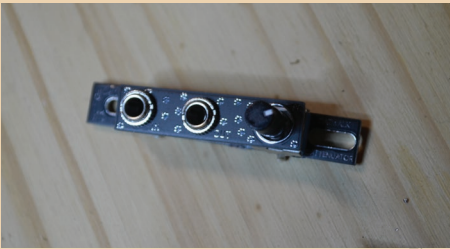


Fig. 2

2. If needed, remove the nuts on the jacks, and put the top faceplate in place. Screw the jacks nuts on to secure the faceplate. [Fig 2.]

3. Solder the remaining legs of each jack, being careful not to use too much solder so there won't be a solder bridge anywhere. Again, make sure the jacks lie flat on the bottom PCB.

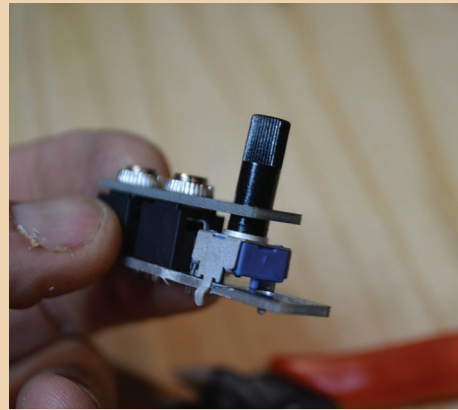


Fig. 3

4. Make sure the potentiometer is flat against the bottom PCB [Fig. 3] and centered in the hole of the top faceplate, then solder in place. The two larger side legs can be soldered as well and the excess metal of the legs can be clipped off if desired with some snips. [Fig. 4]

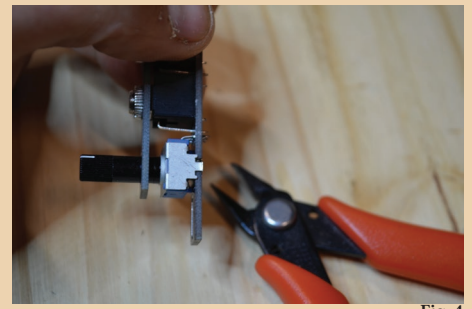


Fig. 4

Next, attach the module to your case following the methods as described below.



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FINISHED!

ATTACHING THE CATWALK MODULES TO YOUR CASE

Scope out a space that measures approx. 10 or 16 HP from hole to hole, depending on the Catwalk. You might need to rearrange your system a little to create this spot, but you want a pretty open space, like that shown in Fig. 1.



Fig. 1

When you've found a space that works, unscrew the two Eurack screws from the modules you will be using to secure the Catwalk. You may need to remove and/or replace the screws in between [like the one at about the 3 HP mark in Fig. 1] the

screws you'll be using if they're too tall [like Befaco Knurlies] to go under the Catwalk modules.



Fig. 2

Insert the hex standoffs that came with your kit/unit into the now empty holes in your case by tightening them by hand. Be careful not to over-tighten. [Fig. 2]

Place the Catwalk over the hex standoffs and attach it to the standoffs with the provided Eurack screws. [Fig. 3]

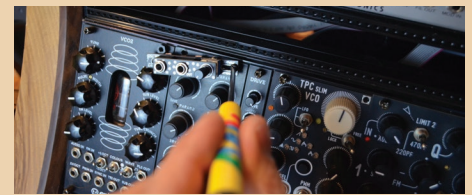


Fig. 3

If you need to tighten the hex standoffs further, needle nose pliers or a tiny screwdriver works well. That's it!

