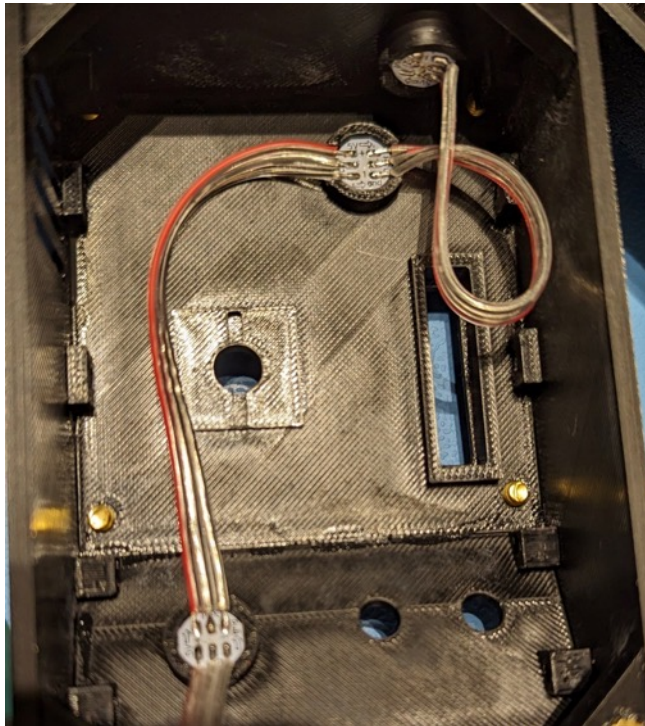
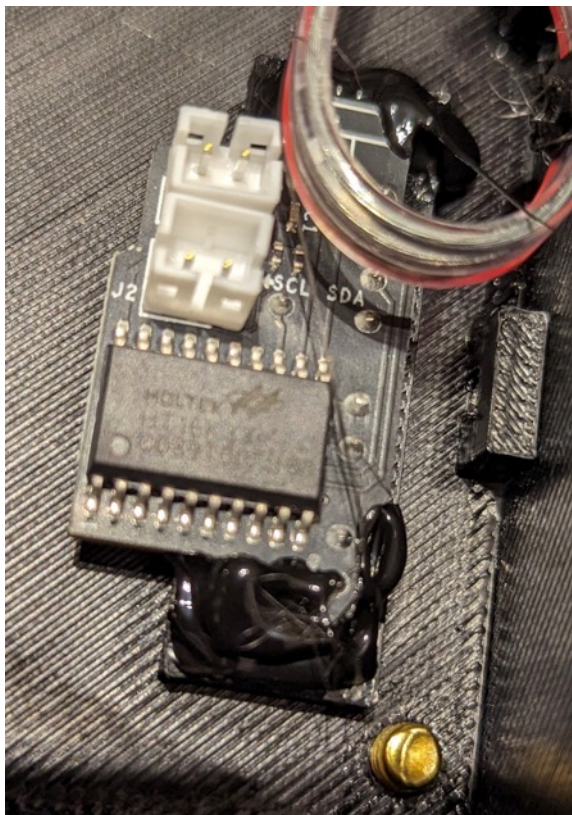


GPStar Attenuator Interior Assembly



Place the LEDs in the locations shown and **hot-glue** them to prevent movement.

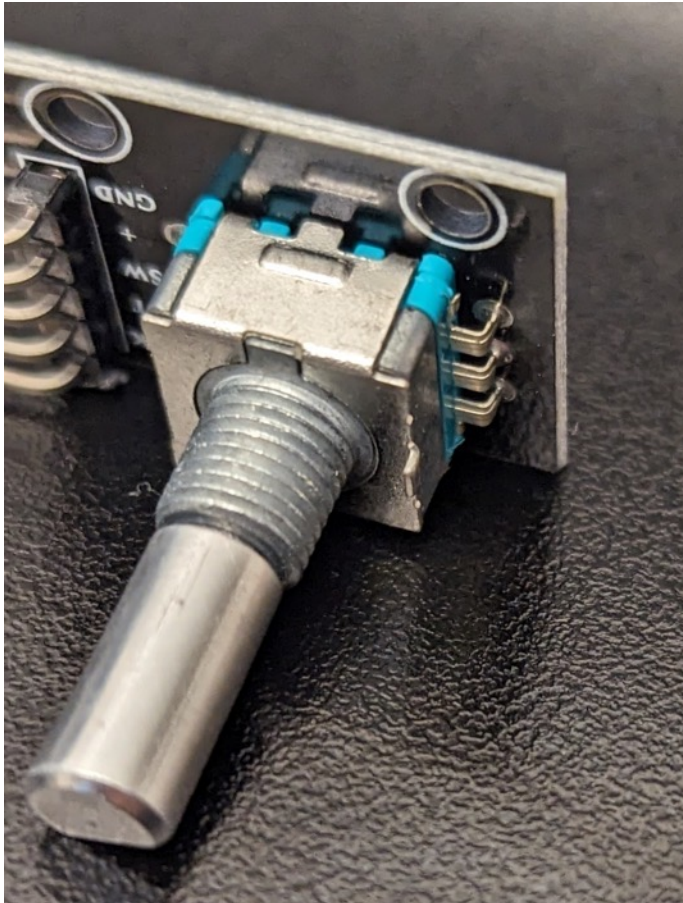


Place the 28-segment bargraph and **hot-glue** it to prevent movement.

Note: This should be a black PCB with a “3.0” label—this device is slightly different from the 28-segment bargraphs used with the Neutrona Wand.

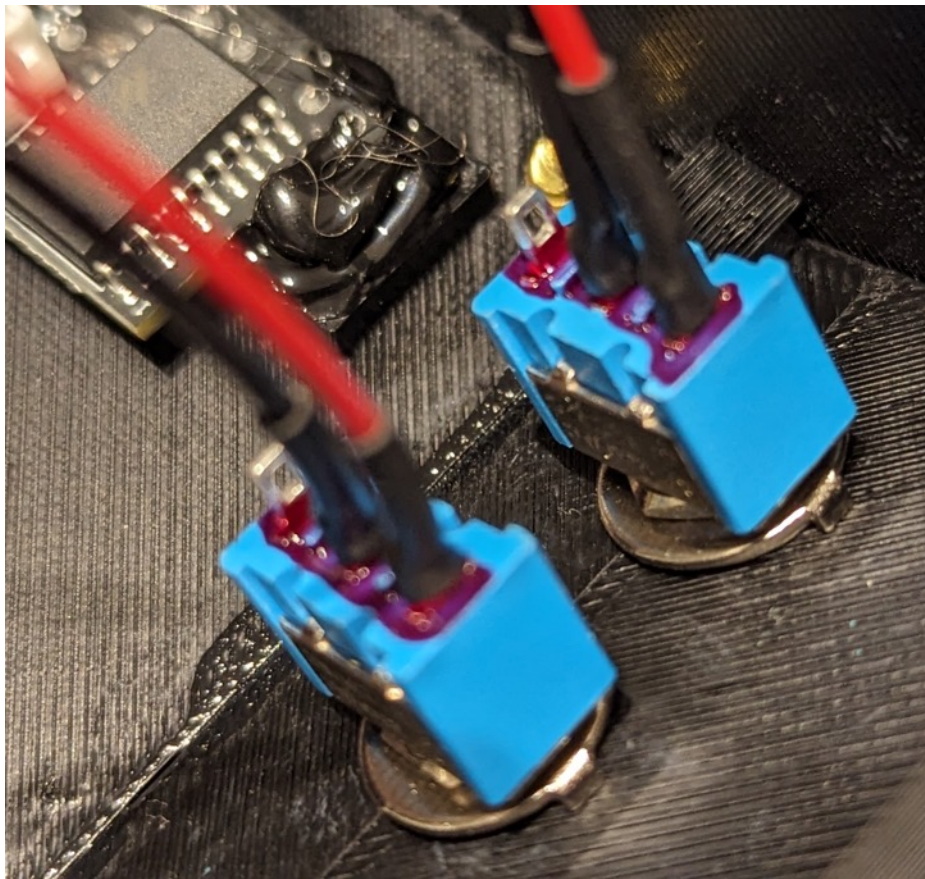
When connecting the JST-PH leads, note the polarity for the connections as labelled on the device and make sure they align with the labels on the backside of the controller.

Connect to the controller and check orientation of the connectors (see last page for more details).



Install the rotary encoder and screw the nut on the exterior side of the Attenuator.

IMPORTANT: If you have any of the PETG versions, the mount piece for the main board isn't available because it doesn't fit. In this case, you need to cover the back of the rotary encoder such that it doesn't make a short circuit with the main board. You can use insulating tape or hot glue.



Install the two toggle switches and glue the dome lens to the flange base, then **CA glue** to the attenuator shell

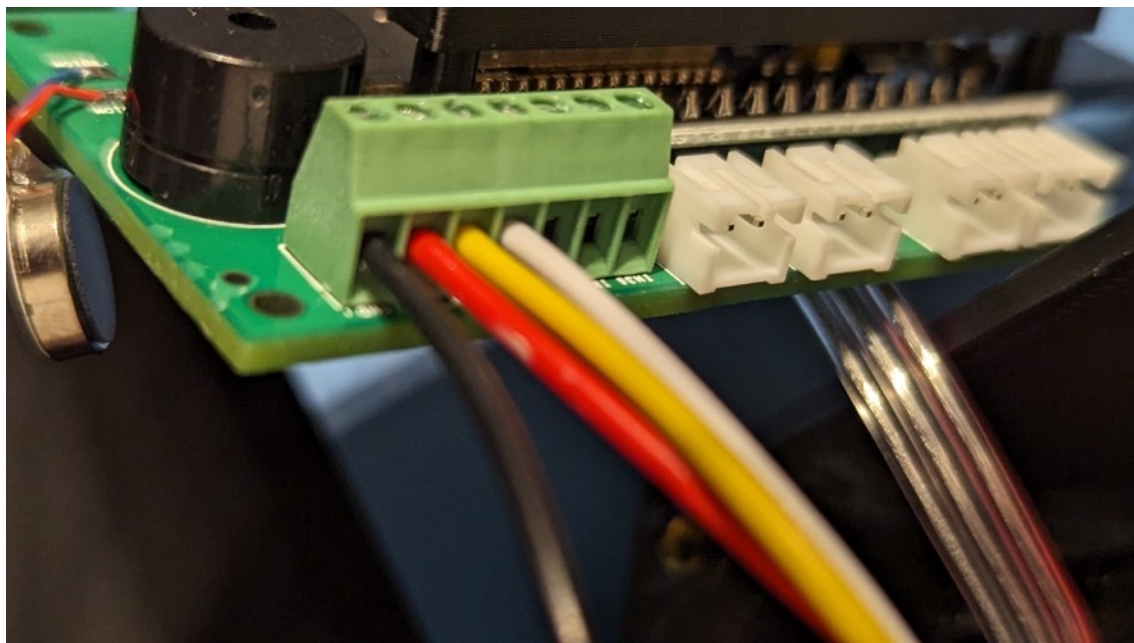


Use CA glue for the radioactive indicator on the shell. Note this is a 2-part piece with the diffuser placed inside the cover.

Install the small cliplite lens into the hole on the top of the device.



Insert the main cable and screw the nut to fix it into place



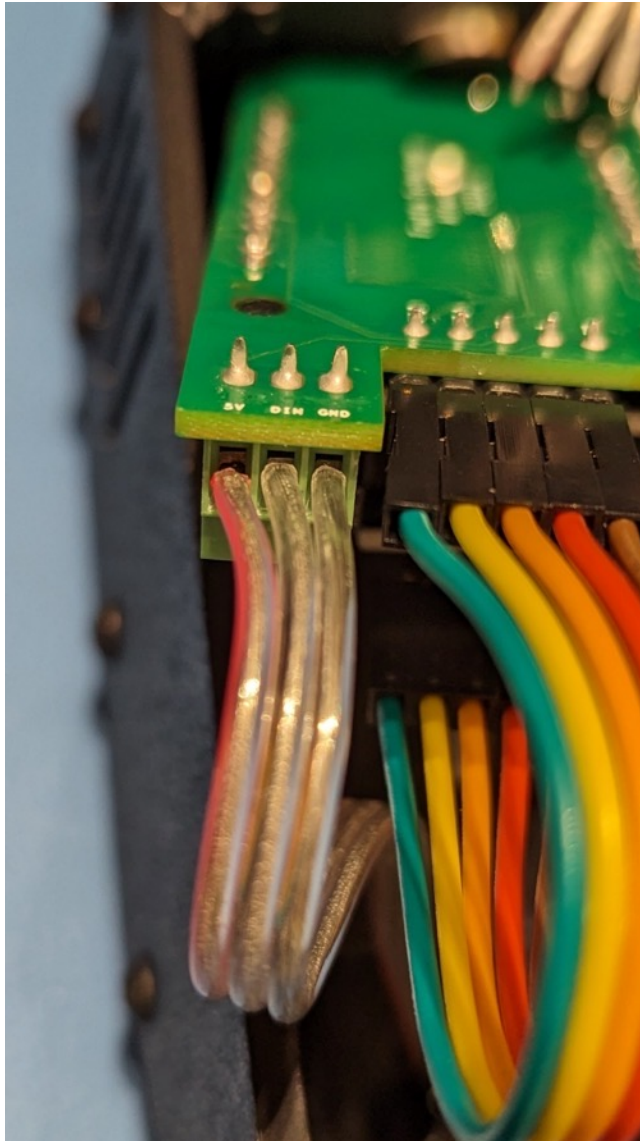
Insert the four wires from the main cable and screw them into the terminal block as shown in the picture. The colors should correspond to the labels on the device.

Black - GND

Red - 5V

Yellow - TX1 (on Pack)

White - RX1 (on Pack)



Connect the five coloured cables between the main board and the rotary encoder as shown in the picture. Colours vary, so just make sure the connections on each side are matched up by label.

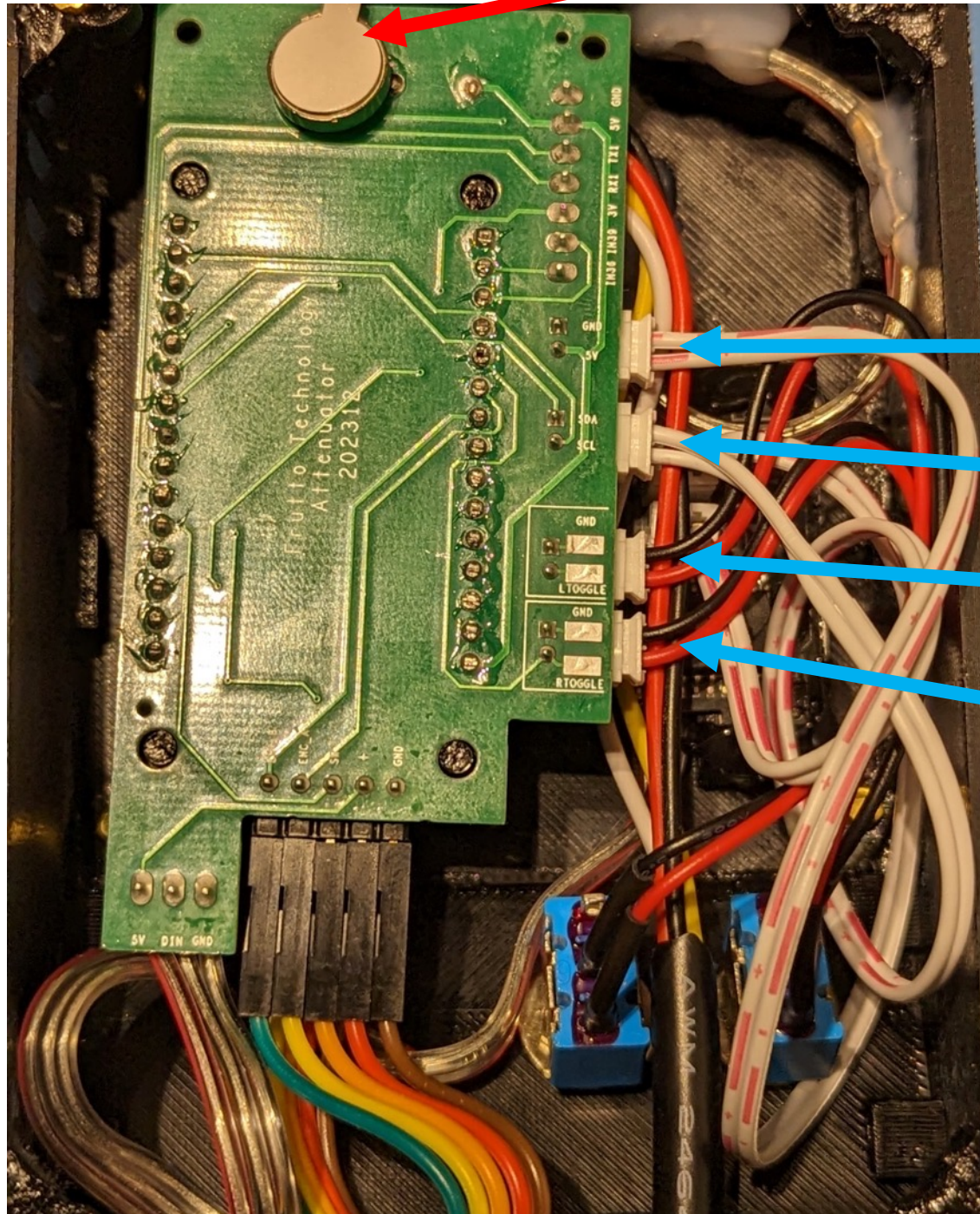
Screw in the wires from the LEDs as shown in the picture:

5V – Red Stripe Wire

DIN – Middle Wire

GND – Right Wire

Affix the vibration motor to the main body of the Attenuator (or mounting bracket)



Plug in the JST cables to the main board as follows

28-segment bargraph GND and 5V

28-segment SDA and SCL

Left Toggle

Right Toggle

Attenuator Pack Connection

