

LED Tube:

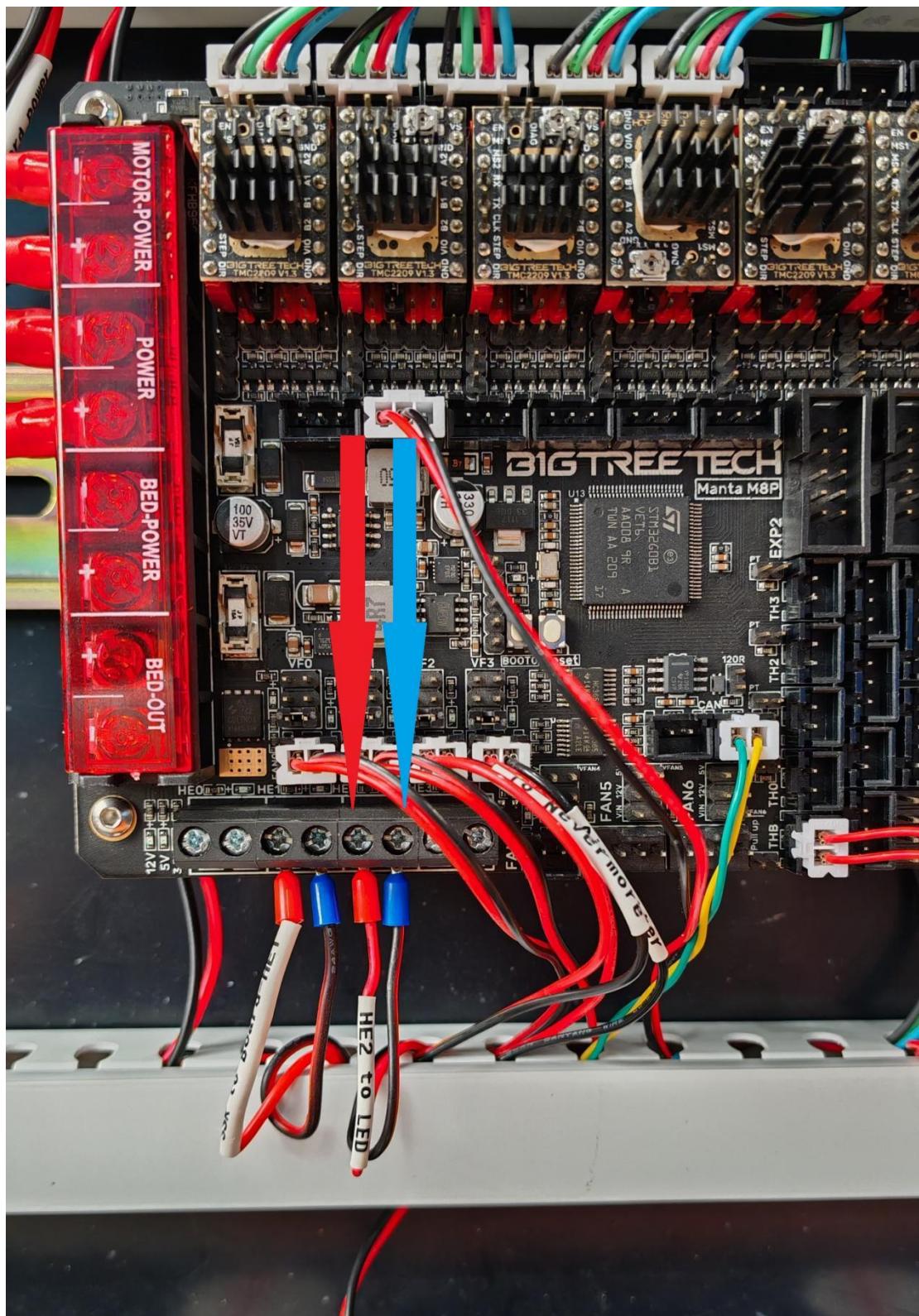
Mount the LED tube by M3*8 screws and M3 T-nuts on the middle of aluminum extrusion.



Put the cable of LED tube into the groove of aluminum extrusion.



Plug the cable onto mainboard as showed below, the red wire to “+”, the black wire to “-”.

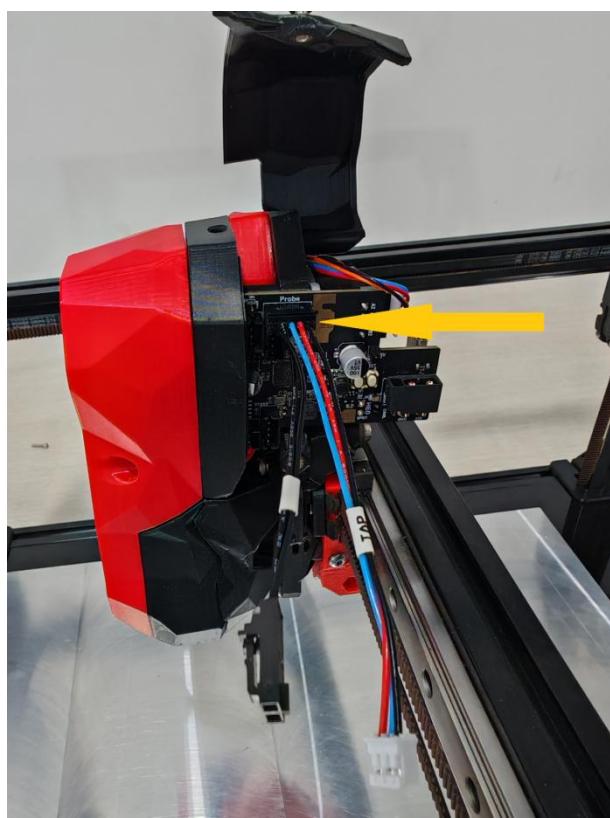


Filament Runout Sensor:

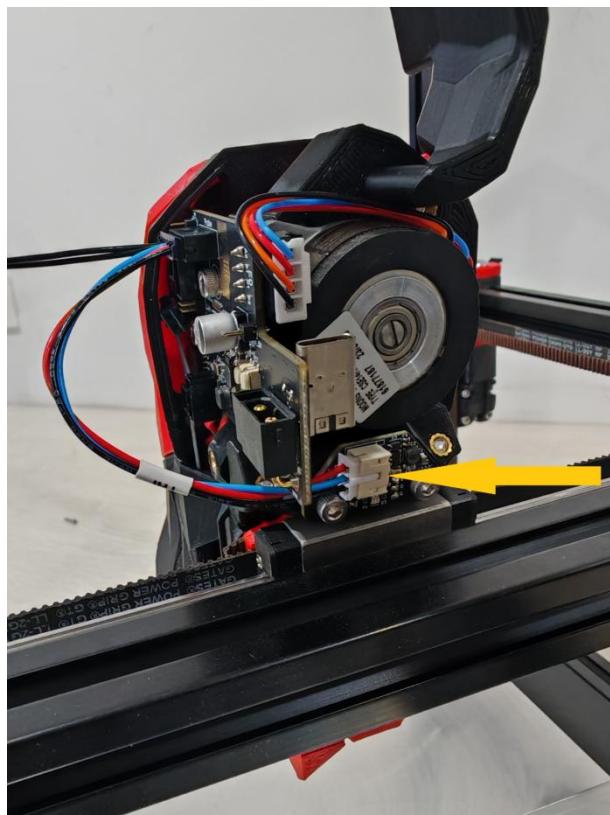
Take out the sensor and cable as showed below.



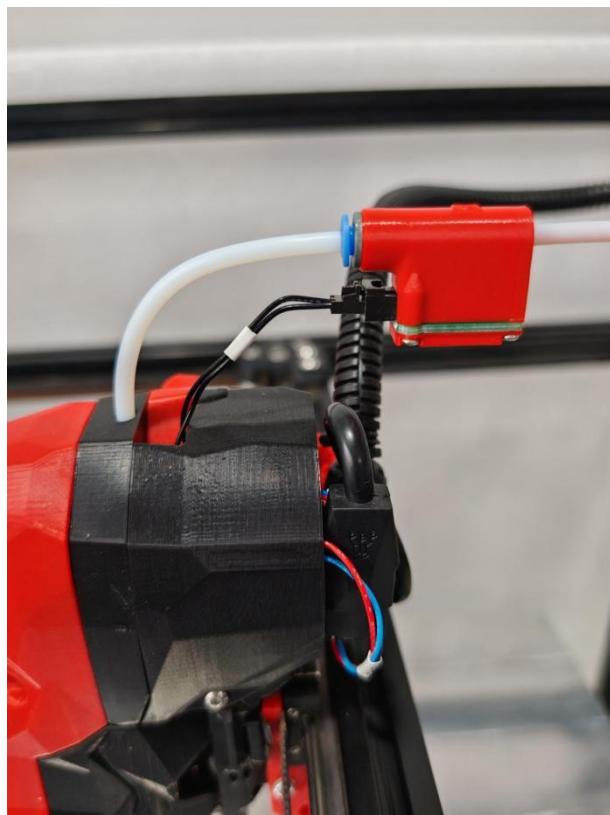
Plug the cable into below connector on extruder.



Plug the wires of TAP to below connector.



Pass the wires of filament runout sensor through below hole, then plug it onto sensor directly.



Metal Movable Hinge:

Pass the red bracket and PG7 joint through cable and reserve 14cm as showed below.



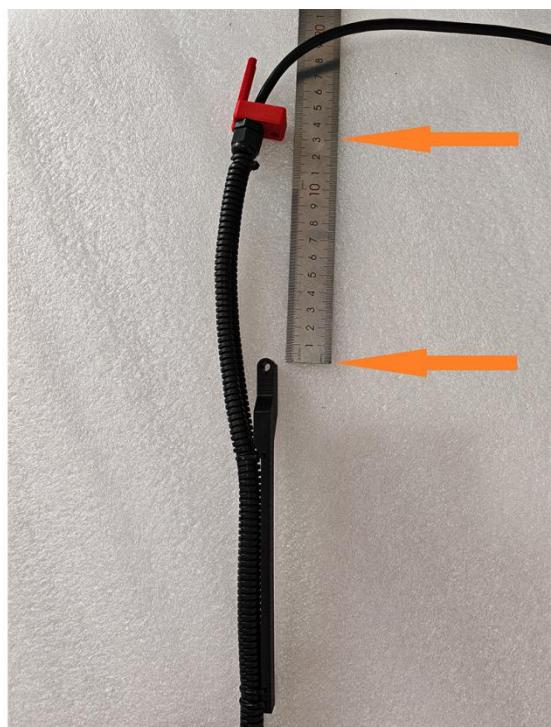
Put on the corrugated tube for cable.



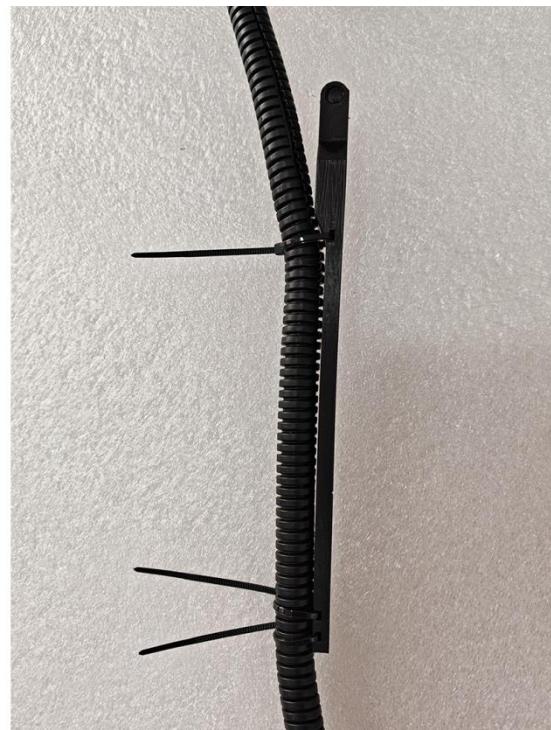
Pass the red bracket and PG7 joint through cable, then tighten them.



Bind the swing arm to the cable and reserve 13cm as showed below.



Fix the swing arm and cable together by zip ties.



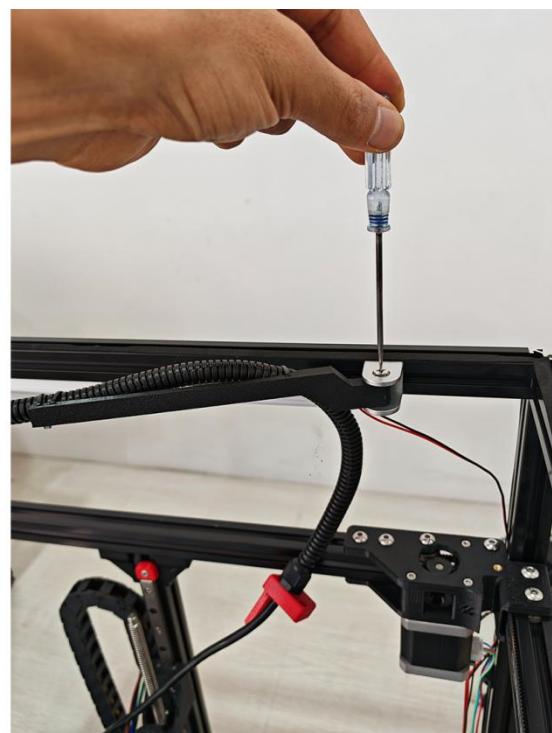
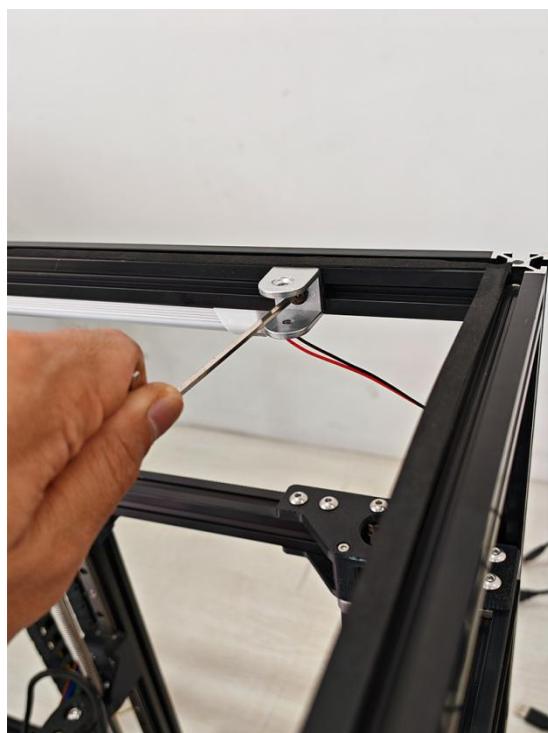
Fix the red bracket onto extruder by M3*20 and M3*8 SHCS.



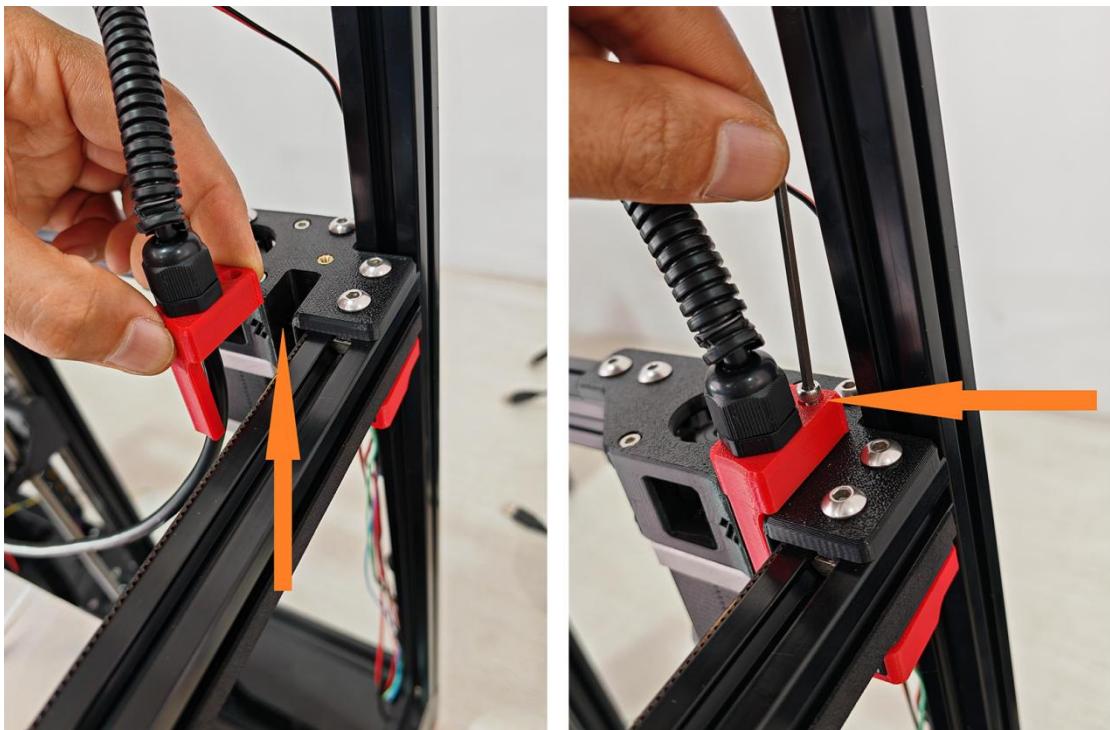
Plug one end of cable onto CAN board as showed below.



Mount the movable hinge on top aluminum extrusion by M5*10 FHCS and M5 T-nut, then fix the swing arm onto hinge.



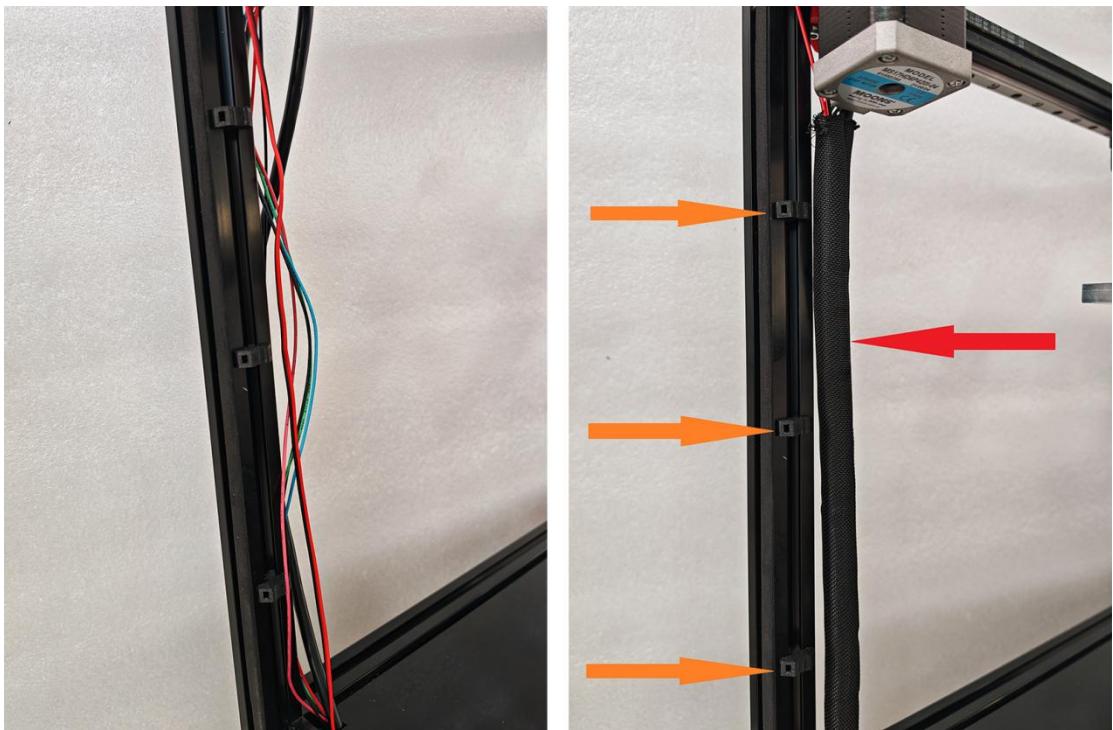
Clamp the red bracket into the slot indicated by the arrow and fix it by M3*12 SHCS.



Pass the cable through below hole into bottom chamber.



Mount the cable clips onto aluminum extrusion and wrap the cables by sheath.



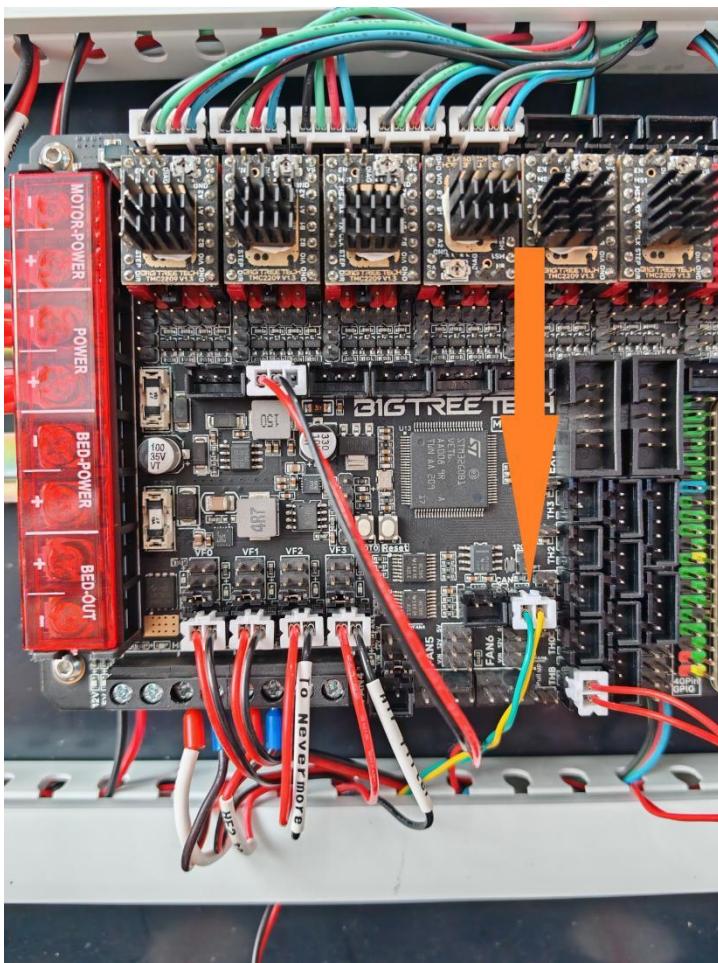
Bind the cables onto aluminum extrusion by zip ties.



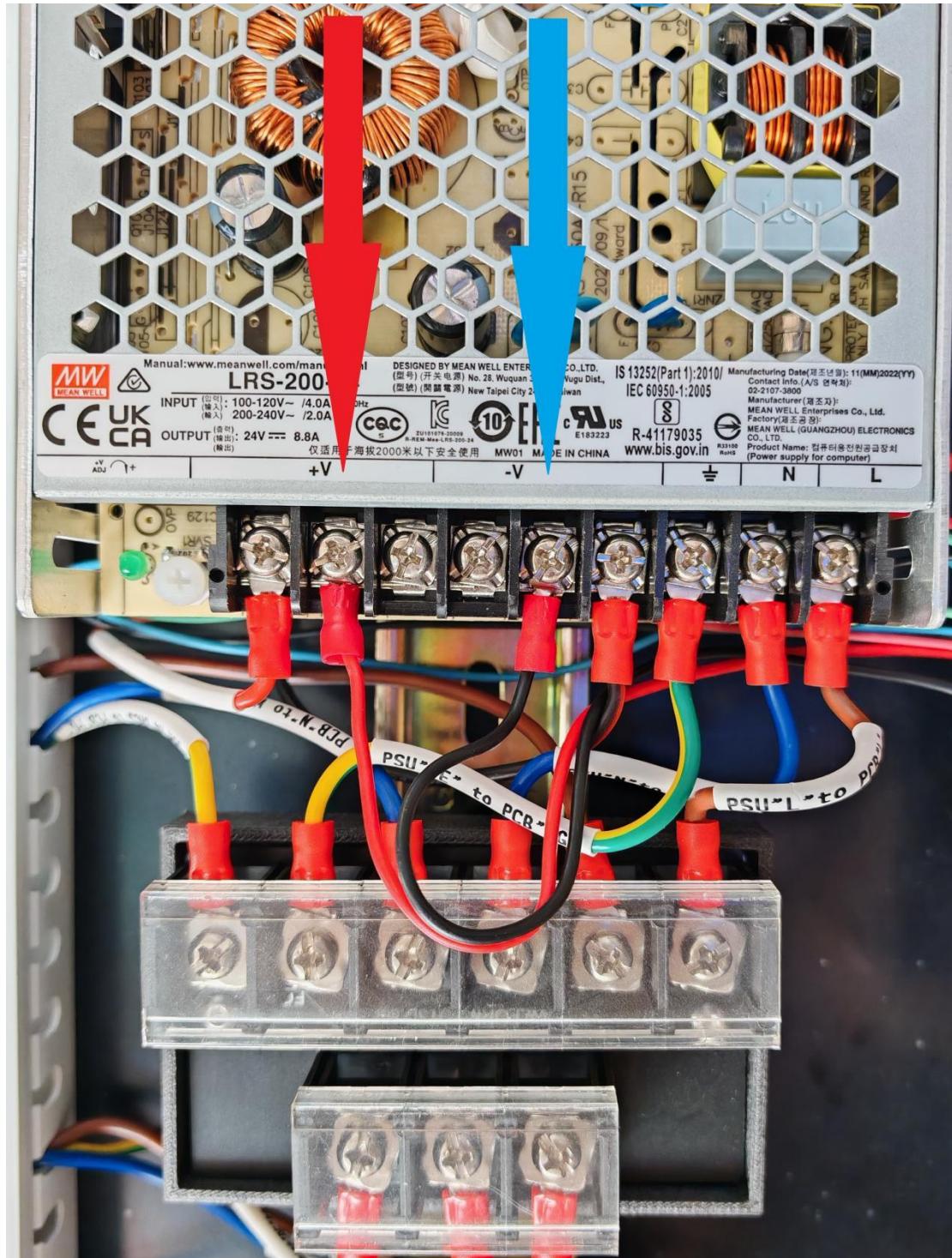
Fix the decorating part by M3*8 SHCS and M3 T-nut.



Plug the cable onto mainboard as showed below.

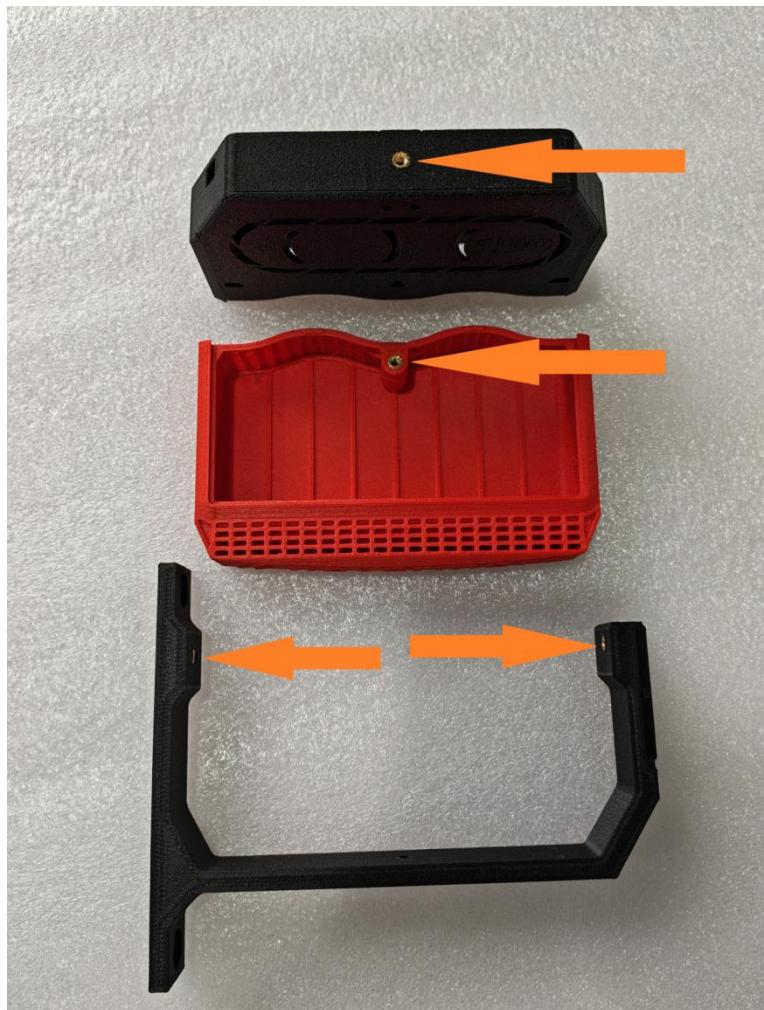


Connect below two wires to power supply, the red wire to “+”, the black wire to “-”.

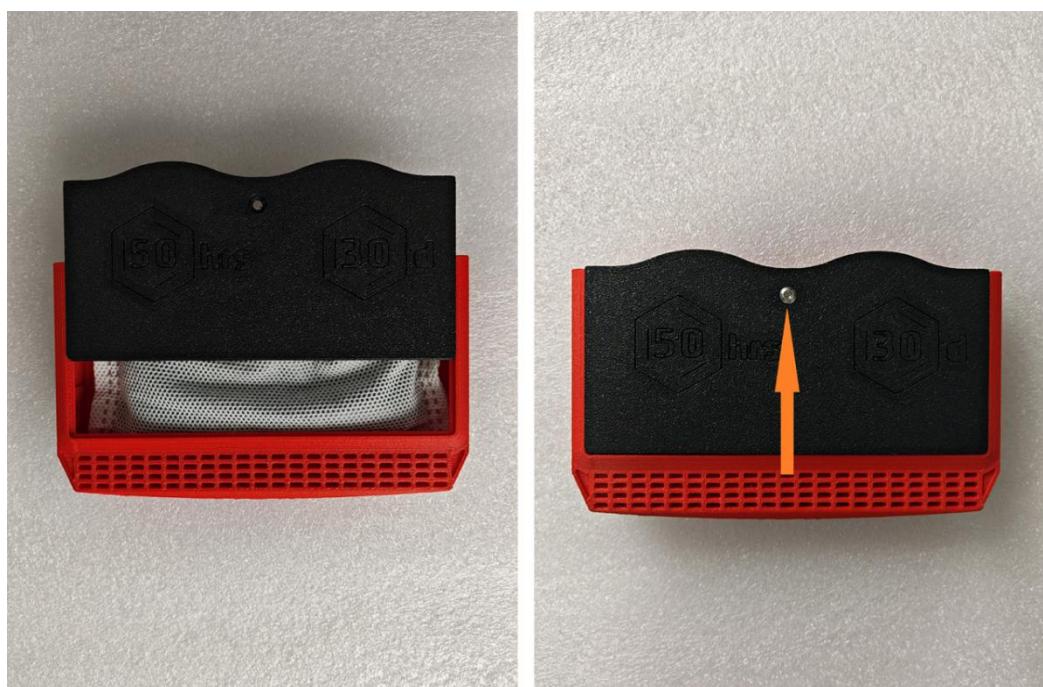


Nevermore Air Filter:

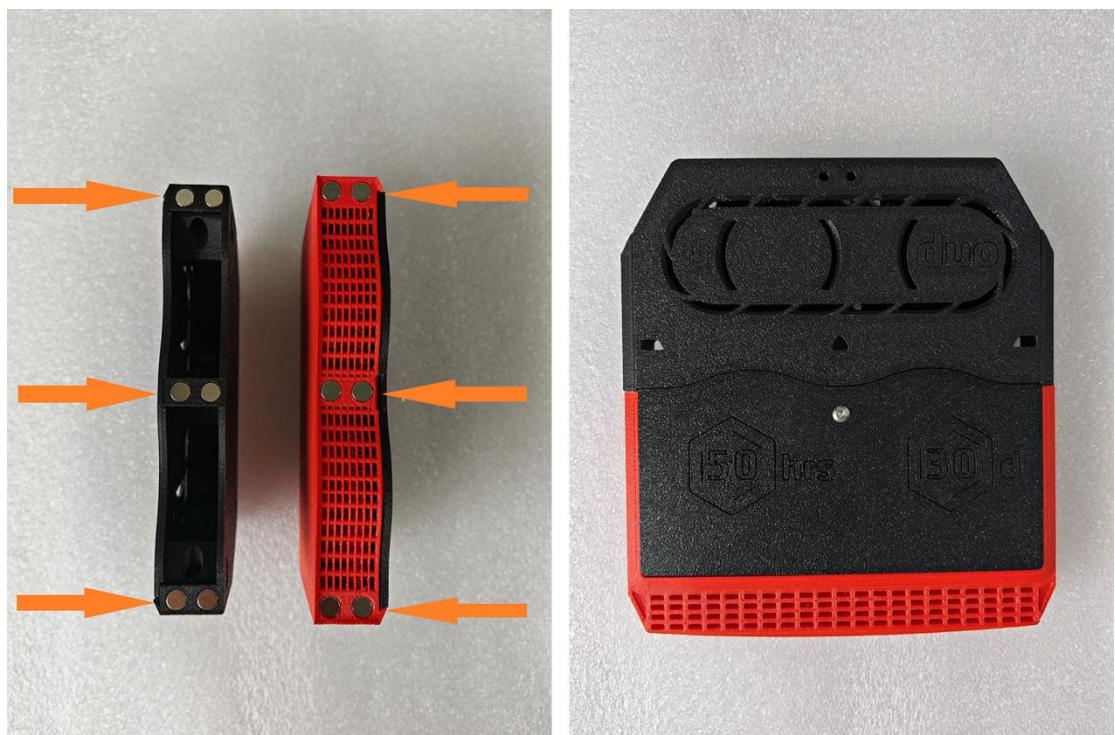
Iron M3 brass nuts into below holes.



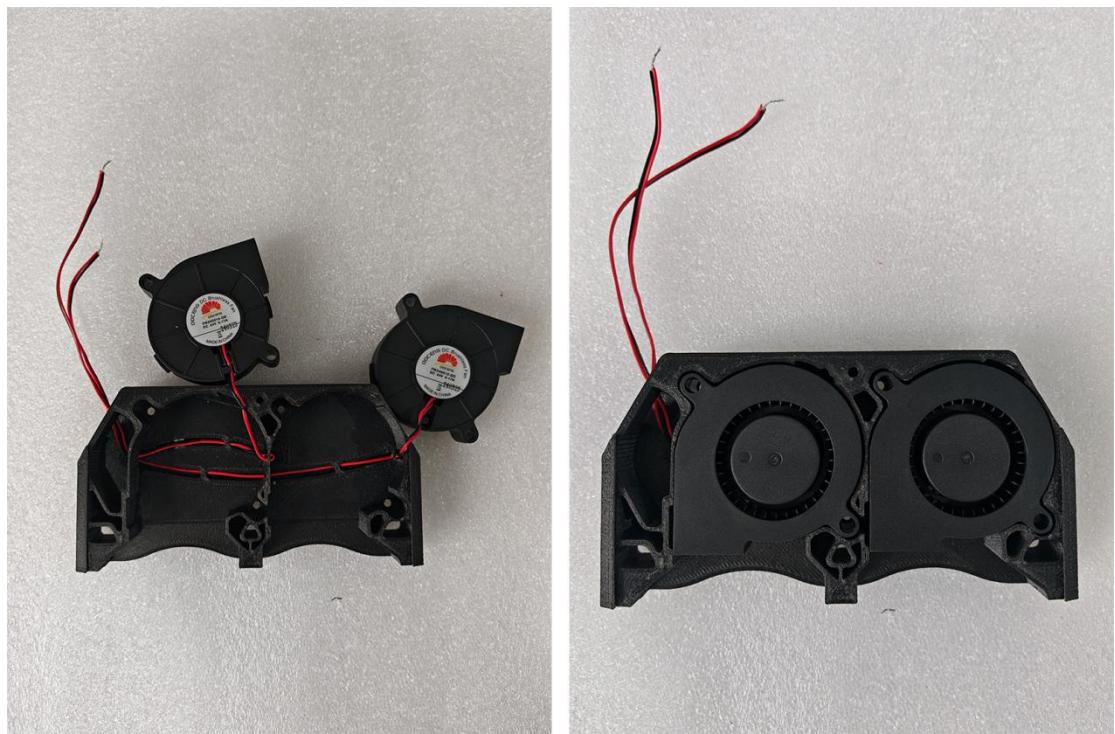
Put the activated carbon bag into red printed part, then cover it by screw.



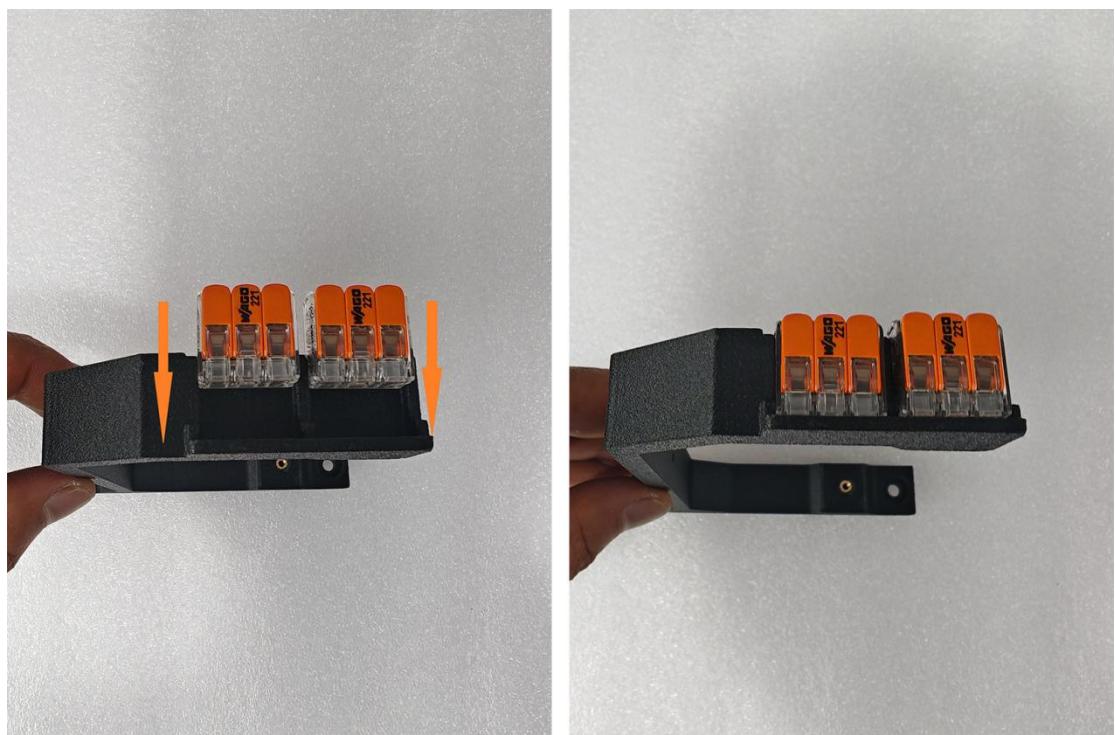
Insert magnets into below holes, then merge two boxes together by magnetic force.



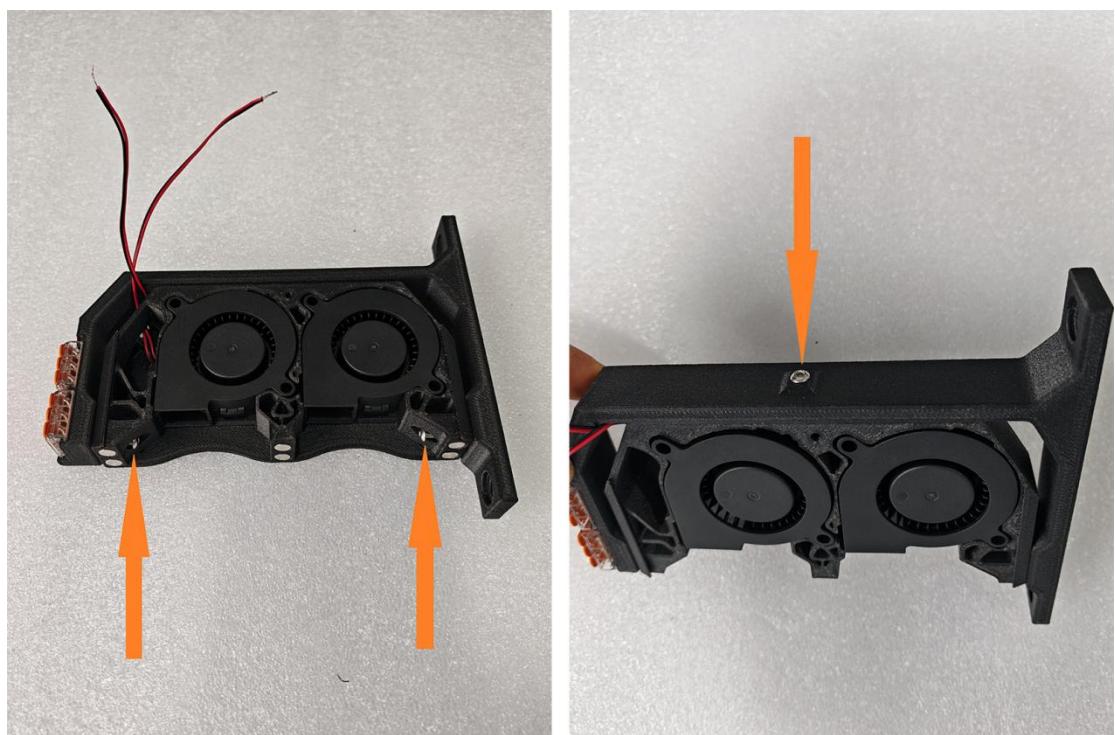
Put the cables into groove as showed below, then insert blower fans into printed part.



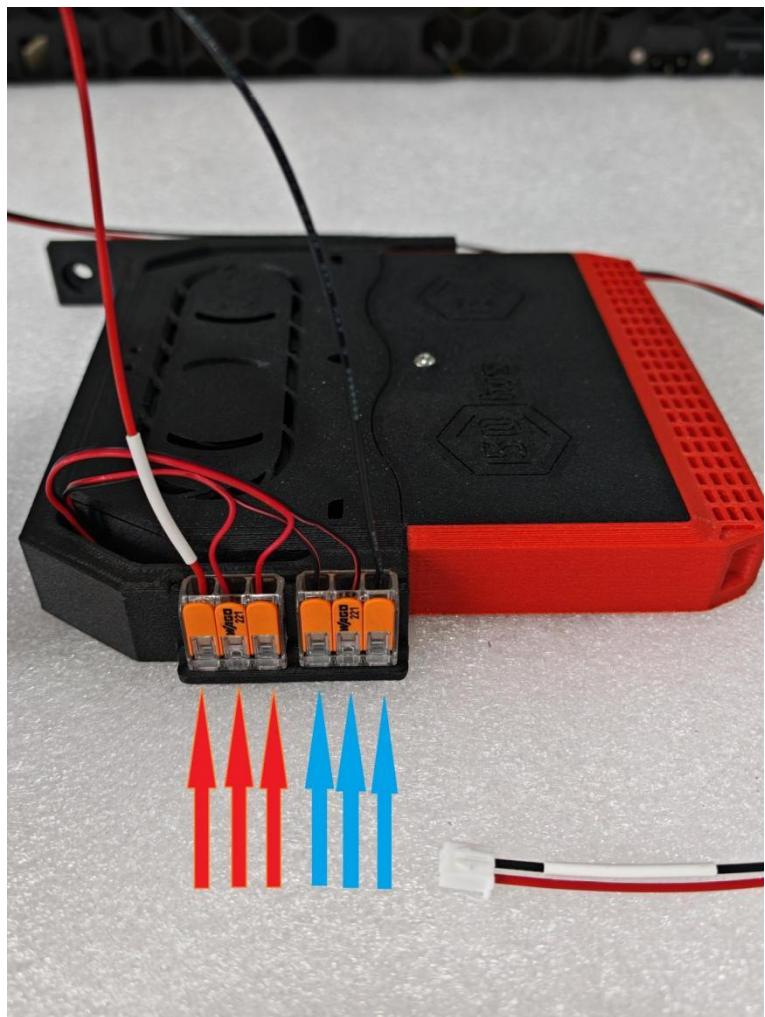
Put wago connectors into socket as showed below.



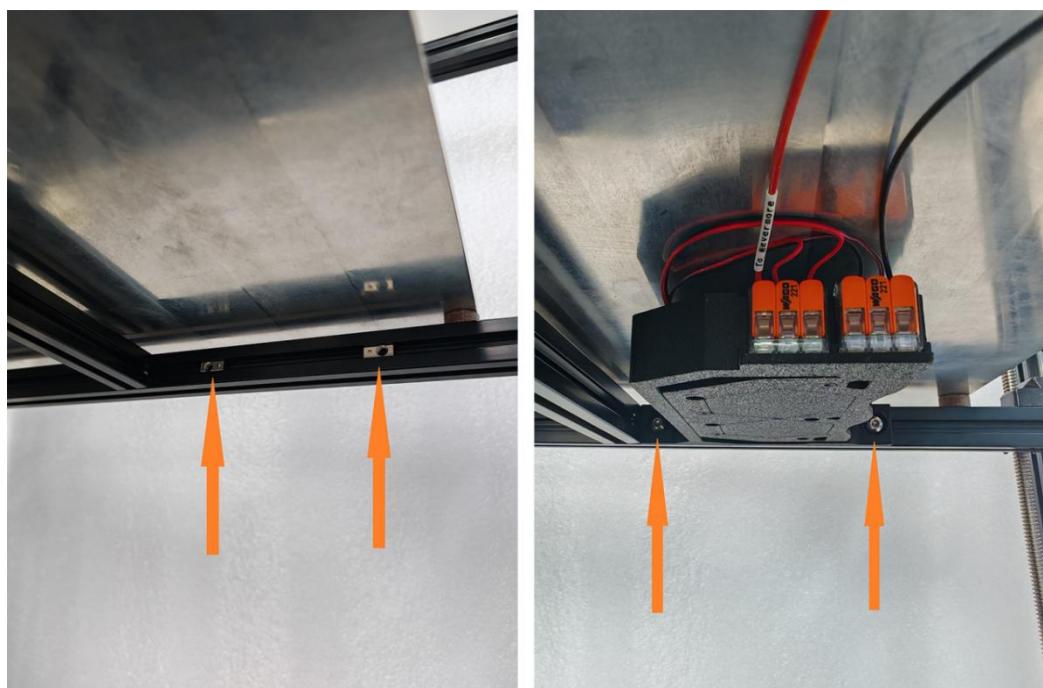
Install below bracket by M3*12 BHCS.



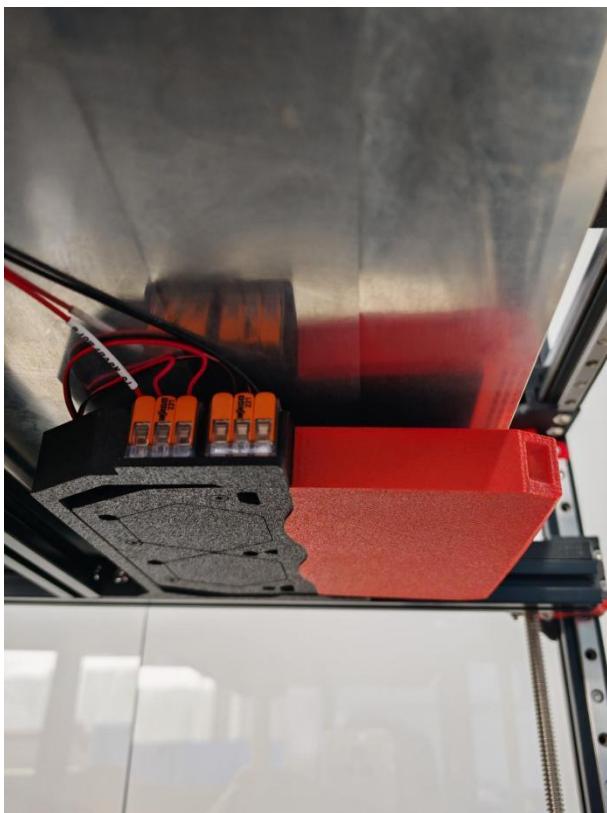
Connect the cables as showed below, the red wires to “+”, the black wires to “-”.



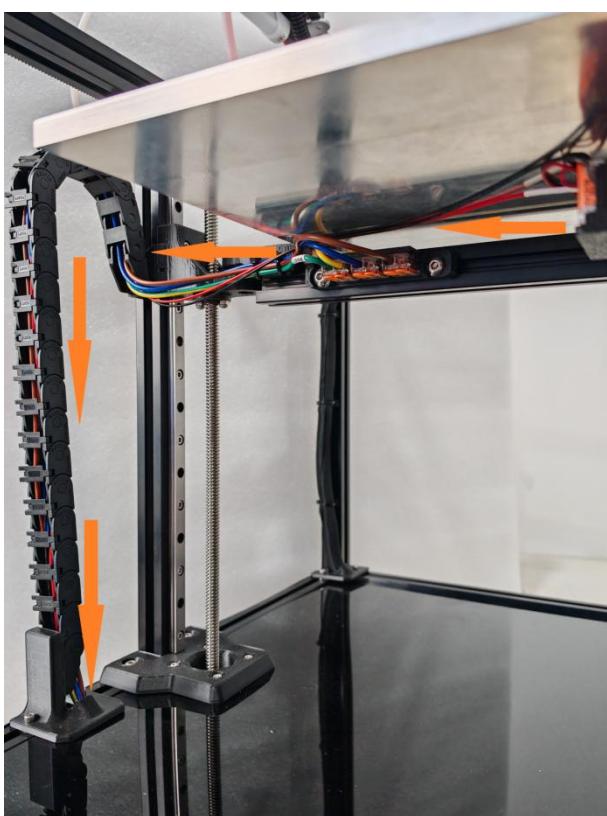
Insert M5 T-nuts into left aluminum extrusion under print bed, then fix the box by M5*10 BHCS.



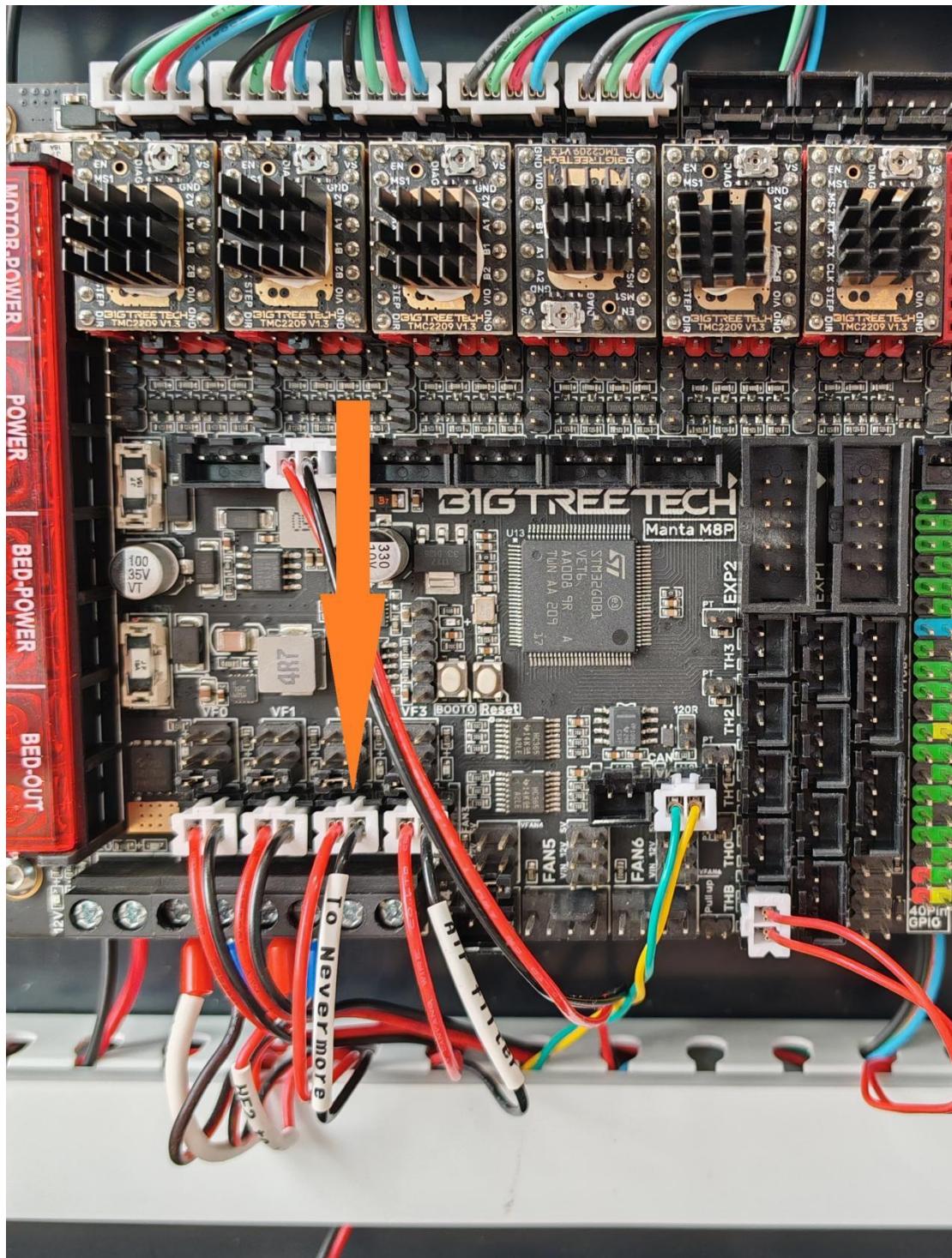
Merge two boxes together by magnetic force.



Pass the cables through chain into bottom chamber.



Finally, plug it onto mother board as showed below.



Referential Links:

Voron Official Build Guide:

<https://github.com/VoronDesign/Voron-Trident/tree/main/Manual>

Stealthburner Extruder:

https://github.com/VoronDesign/Voron-Stealthburner/blob/main/Manual/Assembly_Manual_SB.pdf

TAP Leveling Sensor:

https://github.com/VoronDesign/Voron-Tap/blob/main/Manual/Assembly_Manual_Tap.pdf

HDMI 5" Screen:

<https://www.printables.com/model/415066-bigtree-tech-hdmi5-screen-mount-for-voron-24>

Manta M8P+CB1 Board:

https://github.com/bigtree-tech/Manta-M8P/blob/master/V1.0_V1.1/BIGTREETECH%20MANTA%20M8P%20V1.0%26V1.1%20User%20Manual.pdf

EBB SB2209 CAN(RP2040):

<https://github.com/bigtree-tech/EBB>

<https://canbus.esoterical.online/>

Umbilical Mount for CAN:

<https://www.printables.com/model/326623-voron-trident-wire-cover-w-pg7-cable-gland-adapter>

<https://www.printables.com/pl/model/464735-pg7-cnlinko-lp-12-mount-for-sb2209-sb2240>

Nozzle Clean Mod:

<https://www.printables.com/model/413177-voron-trident-fixed-nozzle-scubber>