G1000 v2.3
Desktop Mounted

Assembly Instructions

Hardware Needed

8 - 3mm Washer

2 - 3mm Regular Nut

4 - 3mm Nylon Lock Nut

2 - M3 x 16mm Hex Bolt

2   - M3 x 14mm Allen Head Bolt

4   - M3 Allen Head Bolt (25mm minimum)

24 - M2 x 15mm Round Head Screw

2   - M2 x 16mm Round Head Screw

45 - M2 x 5mm Round Head Screw

1 - M2 x 4mm Pan Head Screw

Tools and Supplies Needed

Pliers
Screw driver
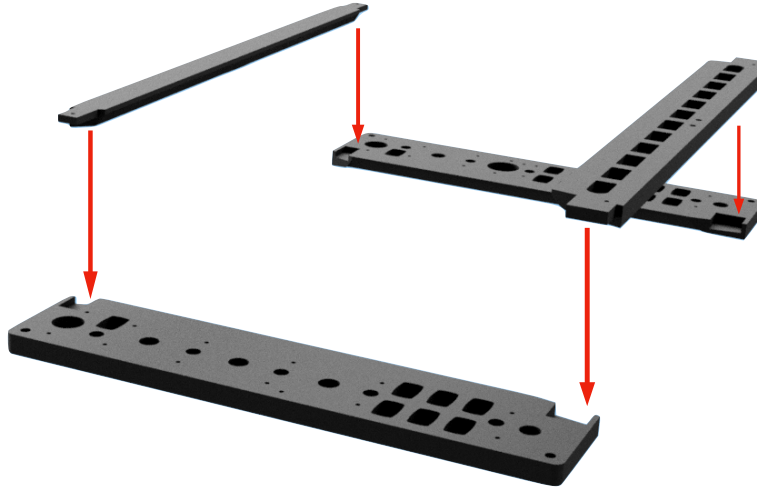Cutting Tools
Soldering Tool and Supplies
Sanding and Painting Tools and supplies
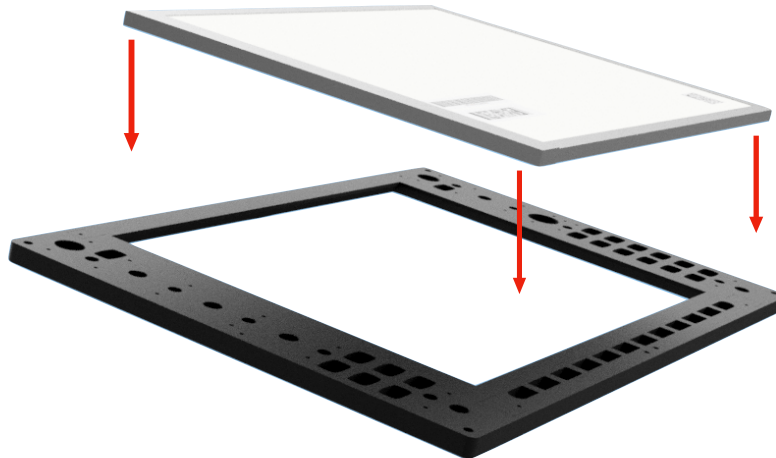A very understanding Partner
And anything else you think you need…

1 Assemble the front faceplate by glueing each piece together. Place glue in each of the four tabs.
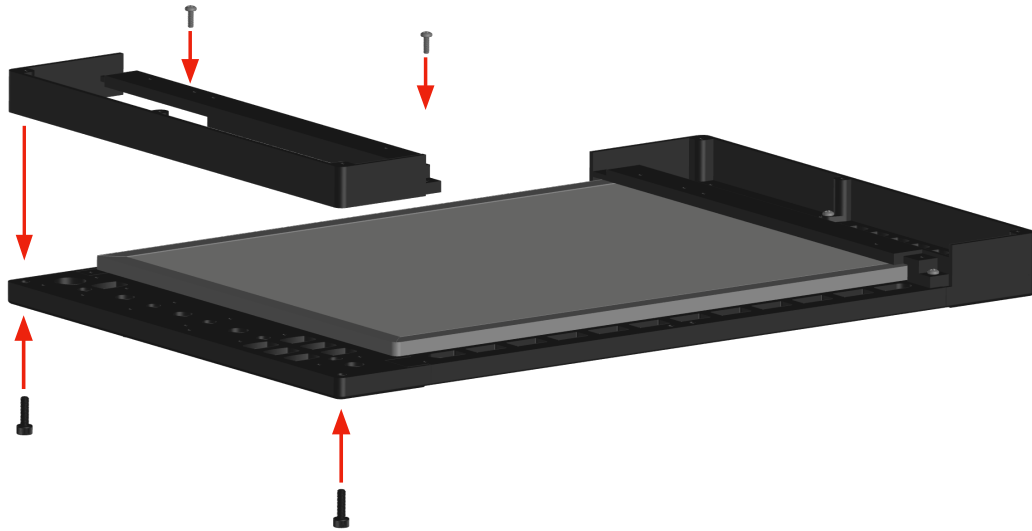
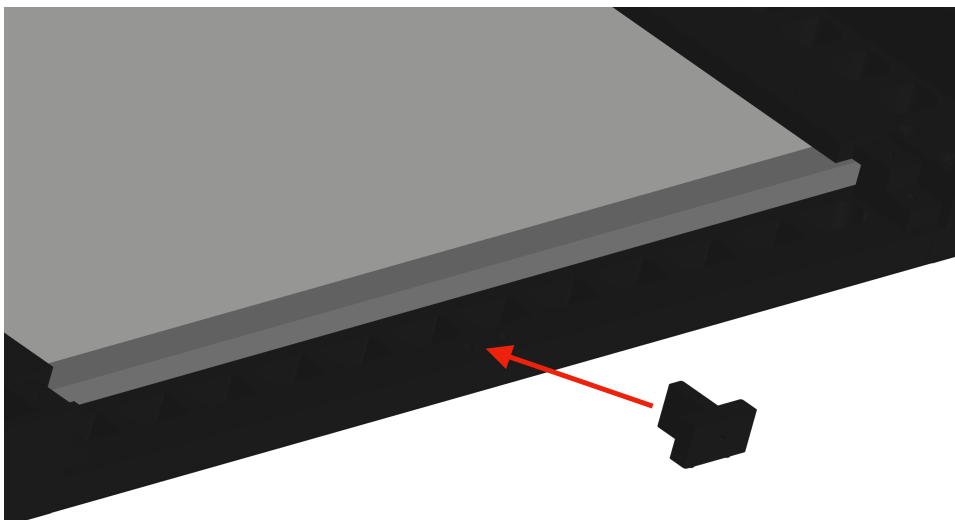**2** Lay the LCD screen face down and align with the opening in the front faceplate.

3

Attach the top and side LCD brackets with Four M2 x 5mm screws and Four M3 x 13mm screws

You will find that there is extra space between the LCD and bracket. This is intentional to allow different size LCD's.
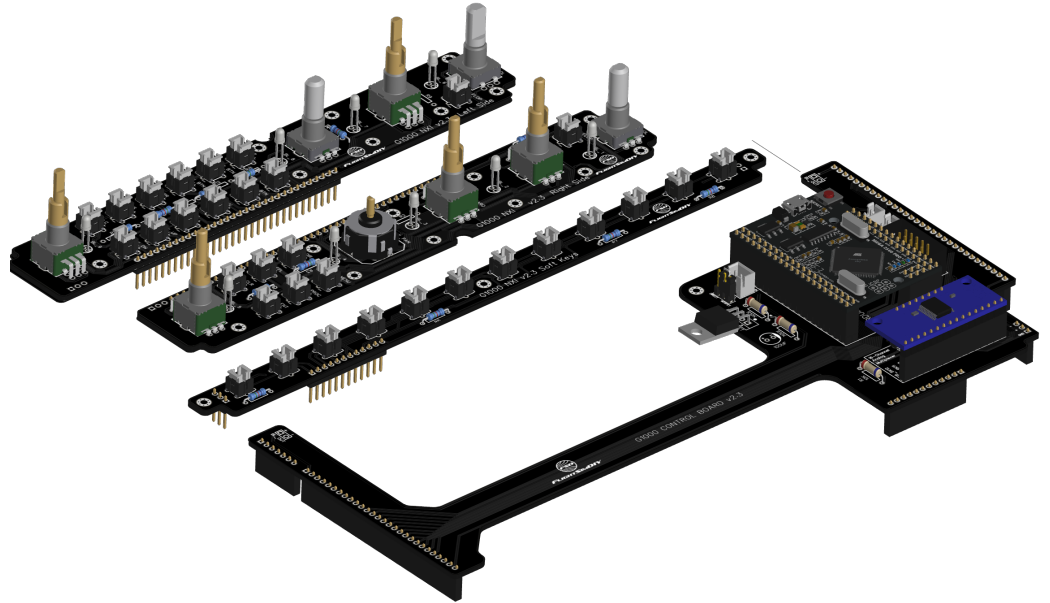
Add shims to ensure a tight fit.

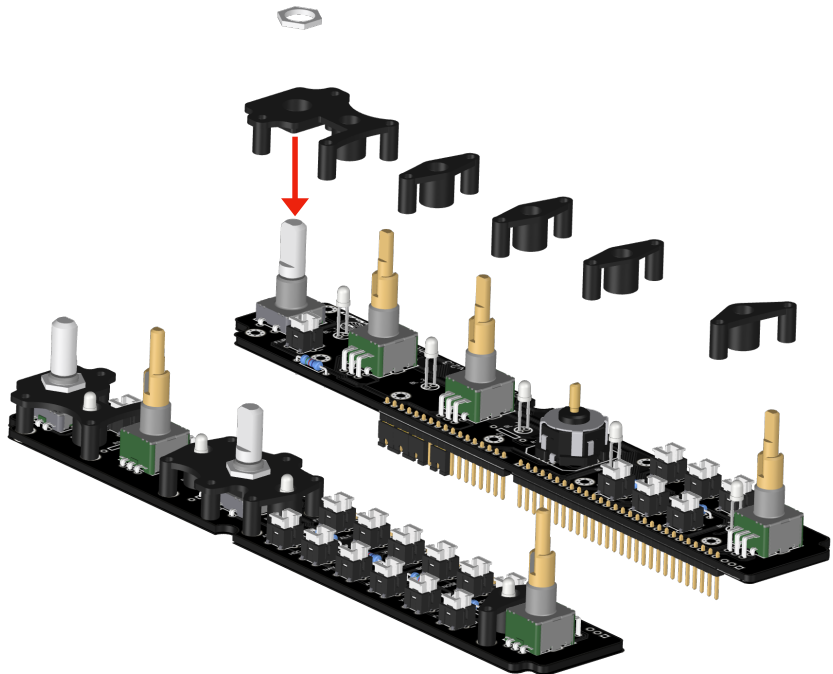Glue the Bottom PCB holder onto the bottom face plate using locator pins for alignment

4

Assemble the PCB's and
solder all connections.
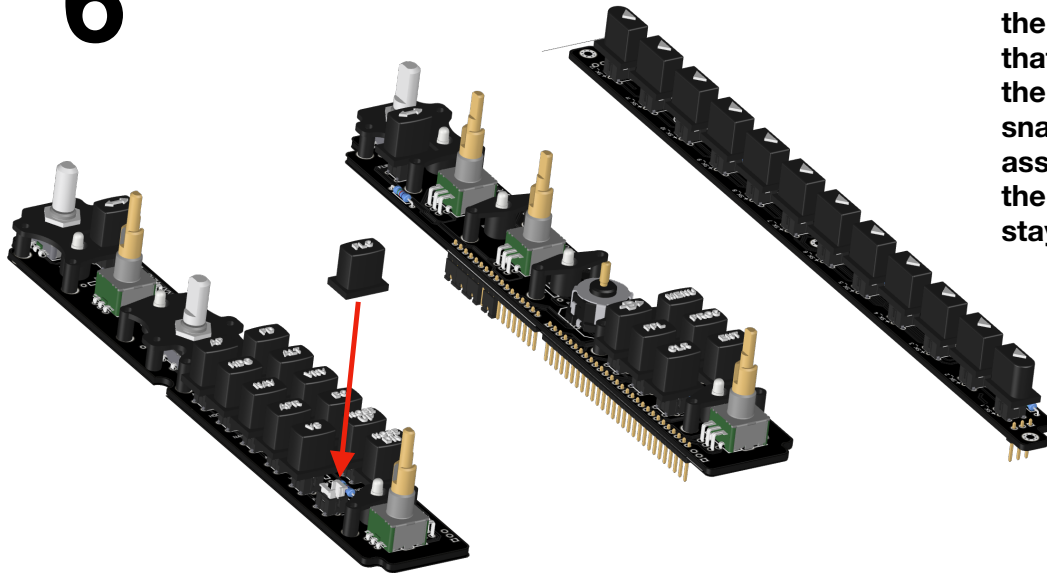
See the PCB Instructions
for more information.

5

Place the right and left PCB
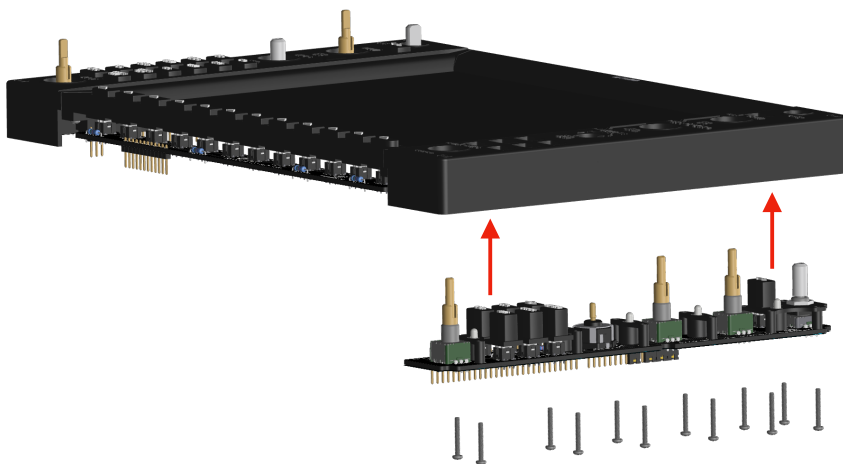holders onto the PCB's as
shown.

6

Place the keycaps onto the tactile switches. Note that they just fit on top of the switch without any snap. Once the full assembly is installed into the faceplate they will stay in place

7

Insert the completed PCBSs into the face plate (keep the PCBs upright so they Keycaps don't fall off) and secure with M2 screws.
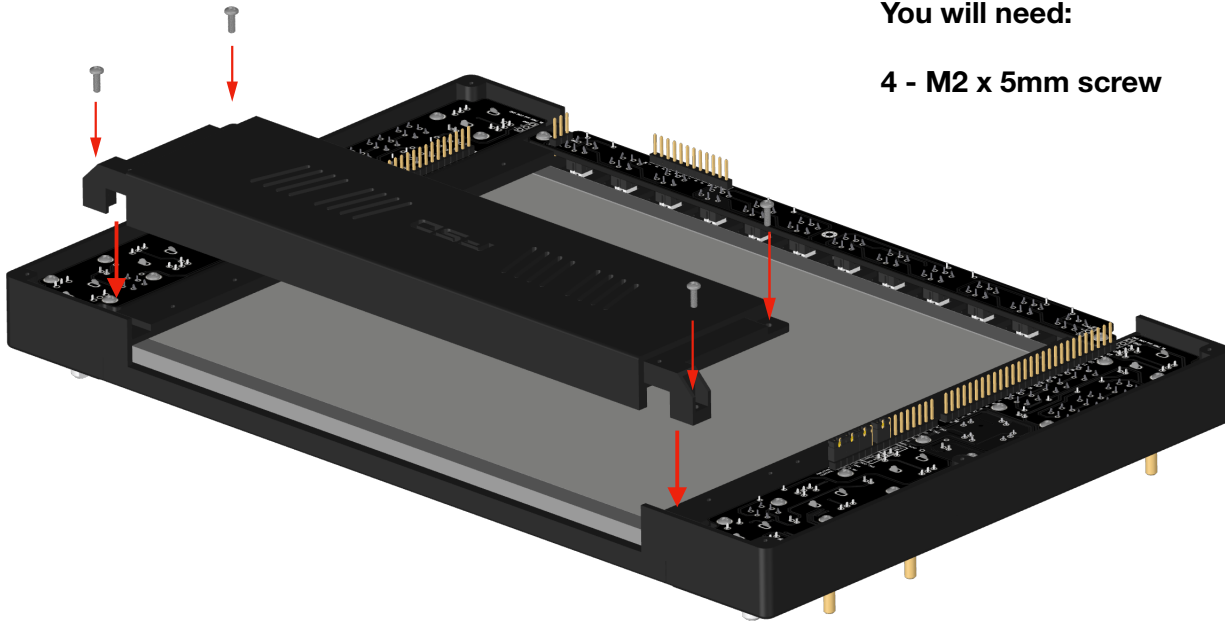
You will need:

24 - M2 x 15mm
3 - M2 x 5mm

8

Install the top LCD bracket.
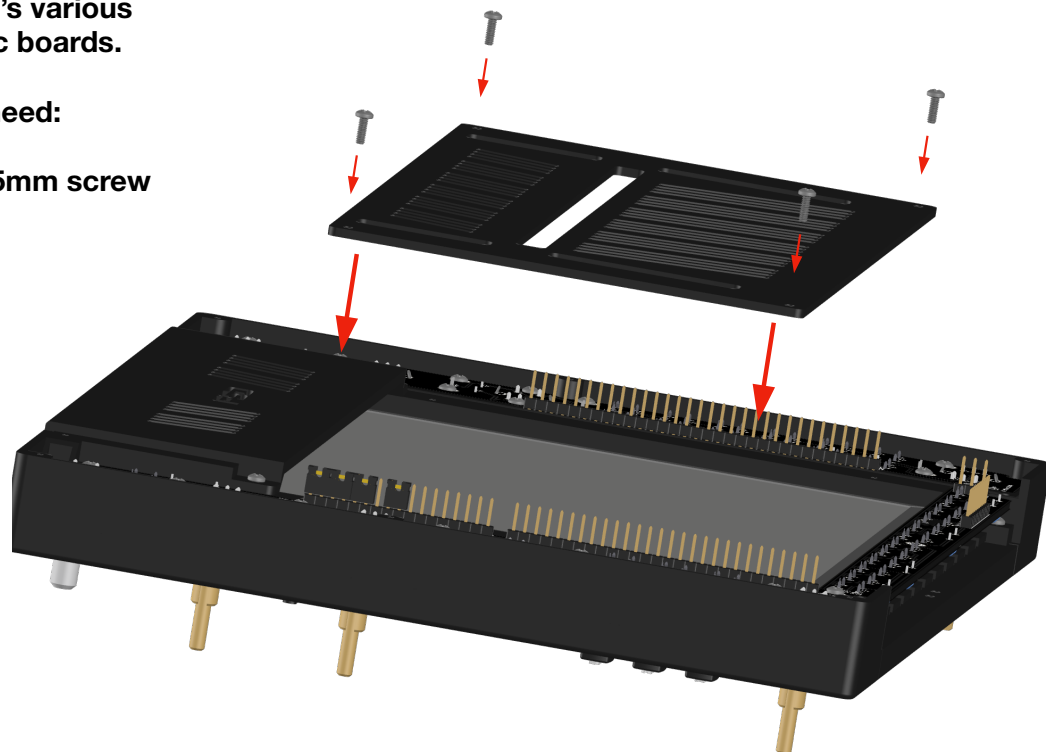
You will need:

4 - M2 x 5mm screw

9

Install the backplate that will be used for mounting your LCD's various electronic boards.
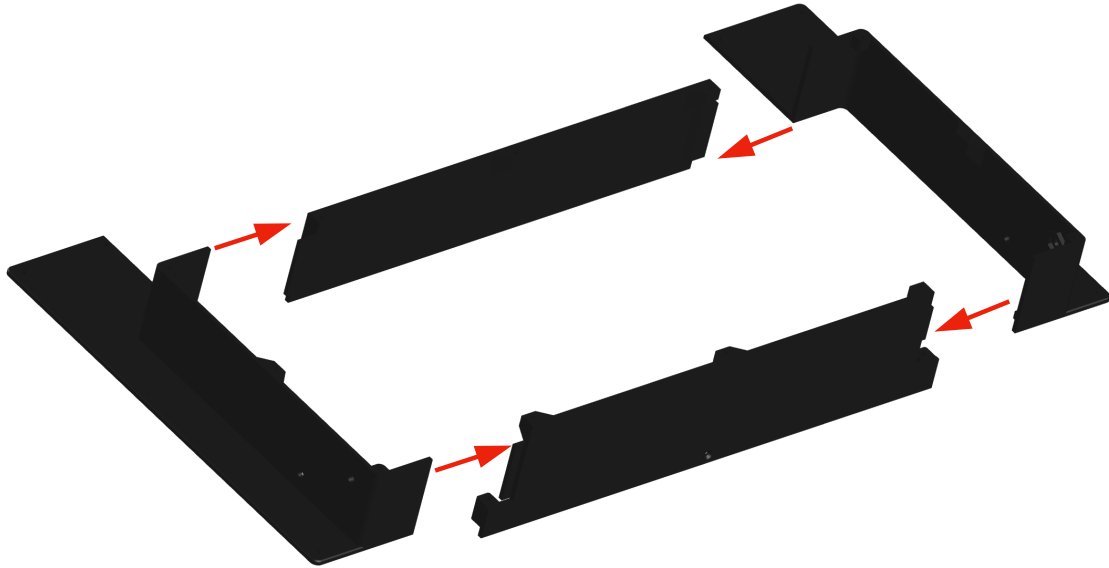
You will need:

4 - M2 x 5mm screw

10

Assemble the 4 pieces of the rear case. These have glue tabs to hold them together.
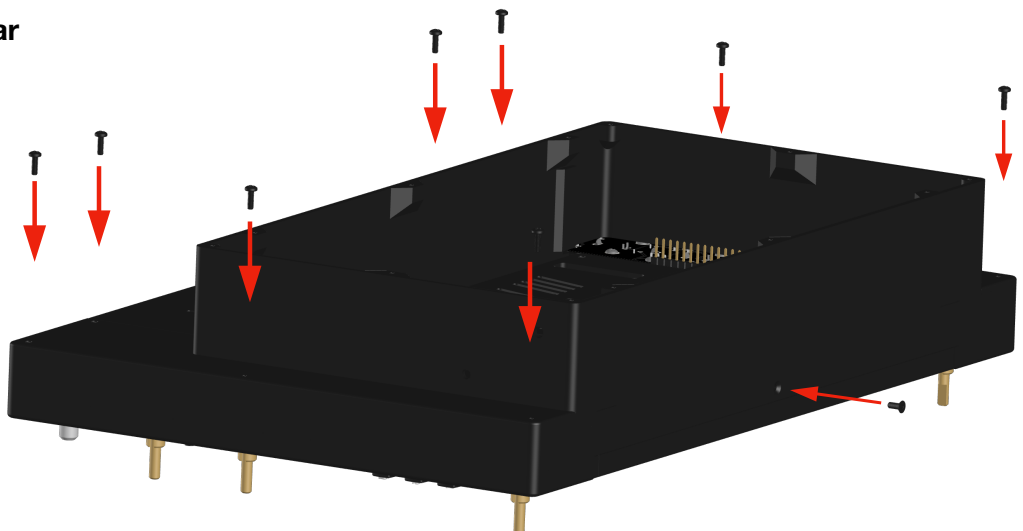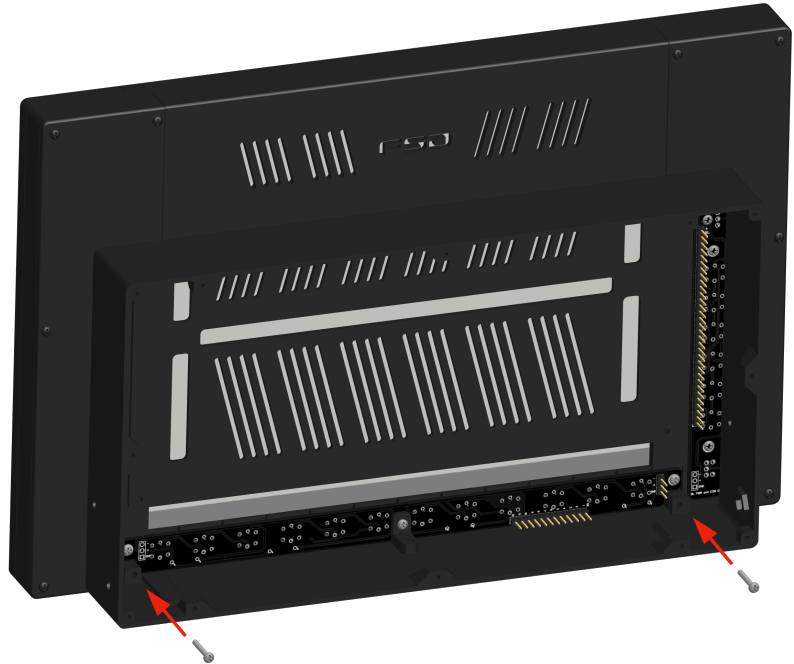
11

Attach the assembled rear case.

You will need:

8 M2 x 5mm screws
1 M2 x5mm pan head screw

12

The rear case also
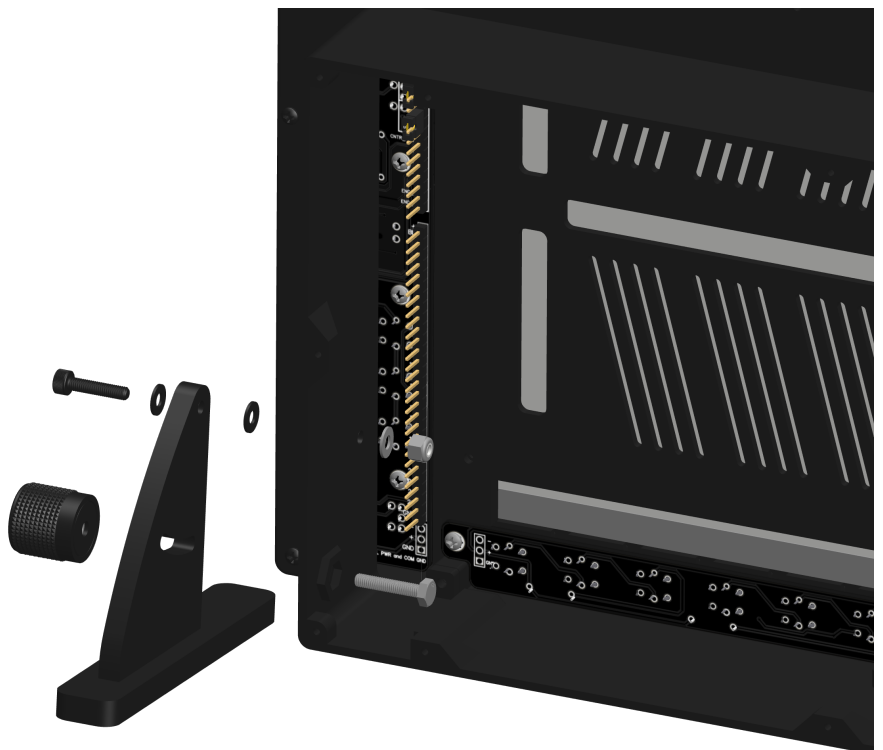needs 2 M2 x 16mm
screws inside on the
bottom as shown.
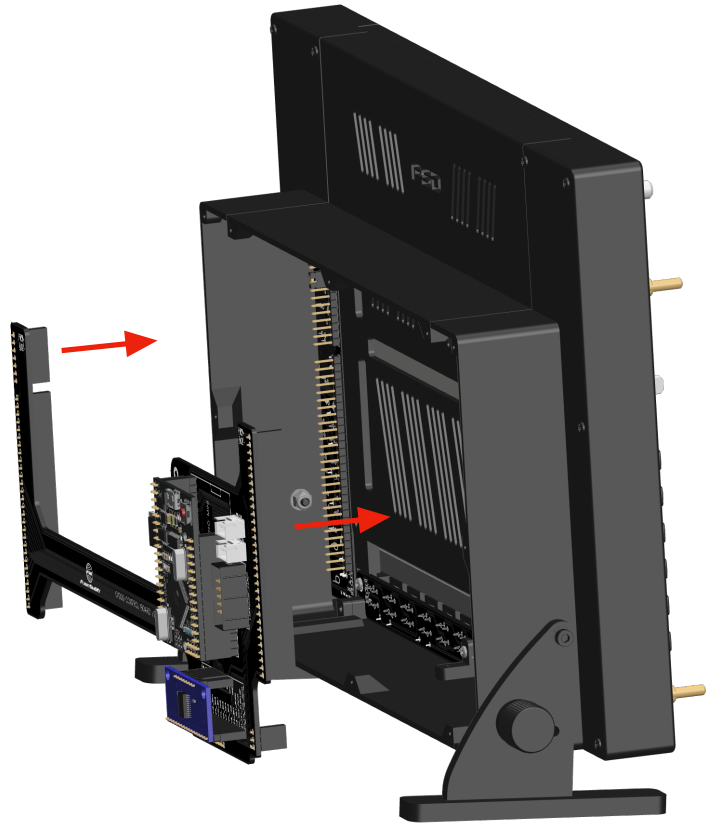
13

Attach the leg stands to the
rear case.

You will need:

8 3mm washers
2 3mm nuts
2 3mm lock nuts
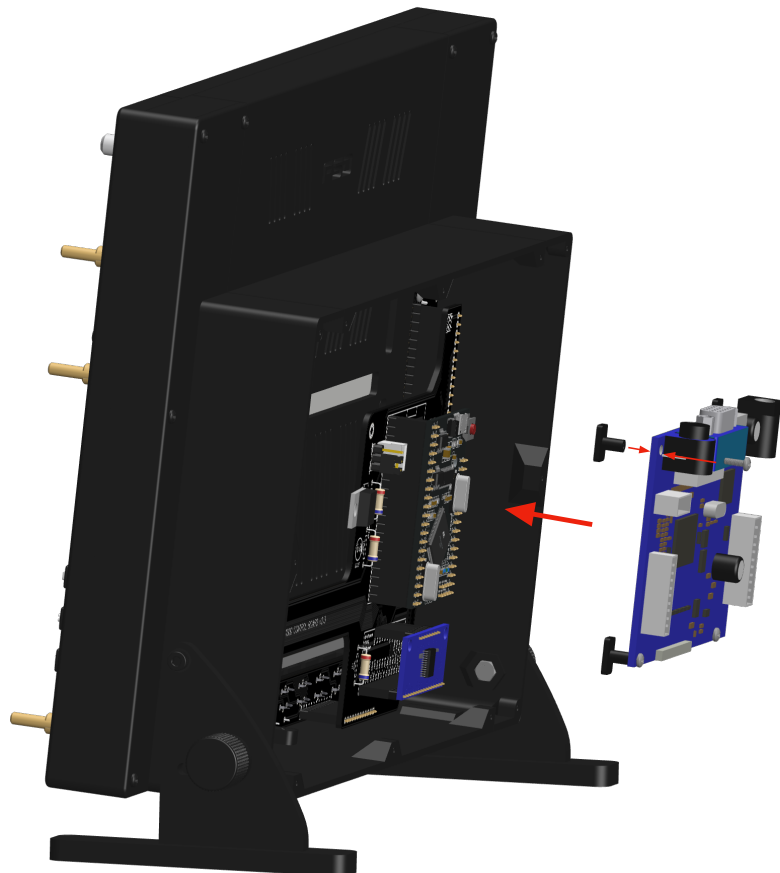2 3mm x 16mm Hex bolt
2 3mm x 14mm Allen bolt

14

Install the control board onto the
other PCB. Ensure proper alignment
of the header pins.

15

Attach the other LCD
controller boards to
the rear backplate
using the provided
standoffs (they can be
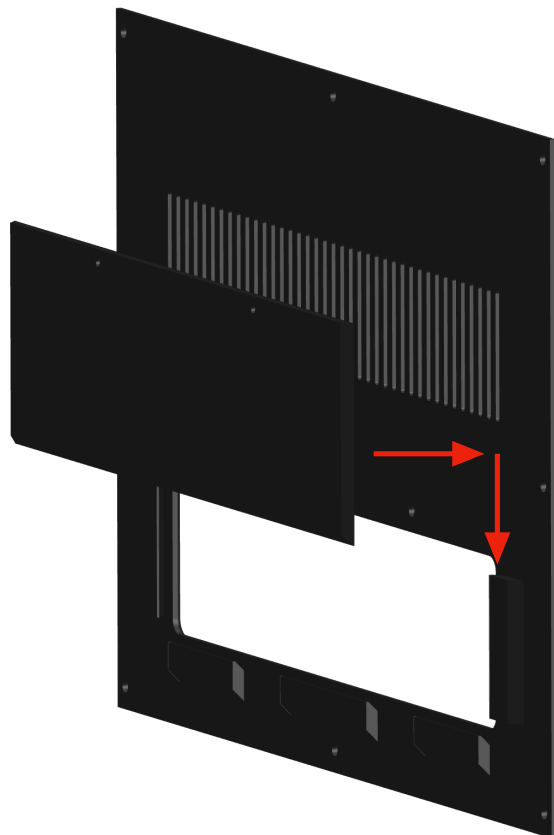glued to the backplate
wherever needed.

16

Attach the 2 side panels of the rear cover.

You'll need:
6   M2 x 5mm screws

17

The rear cover plate includes a removable IO plate that can be modified for you wire connections (USB, HDMI, power and such) there is a STEP file version of this part in the download package.
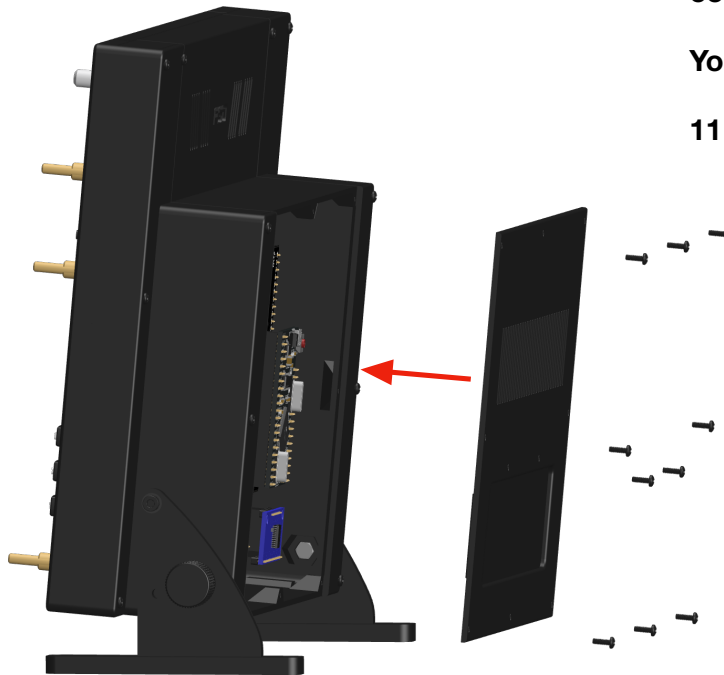
18

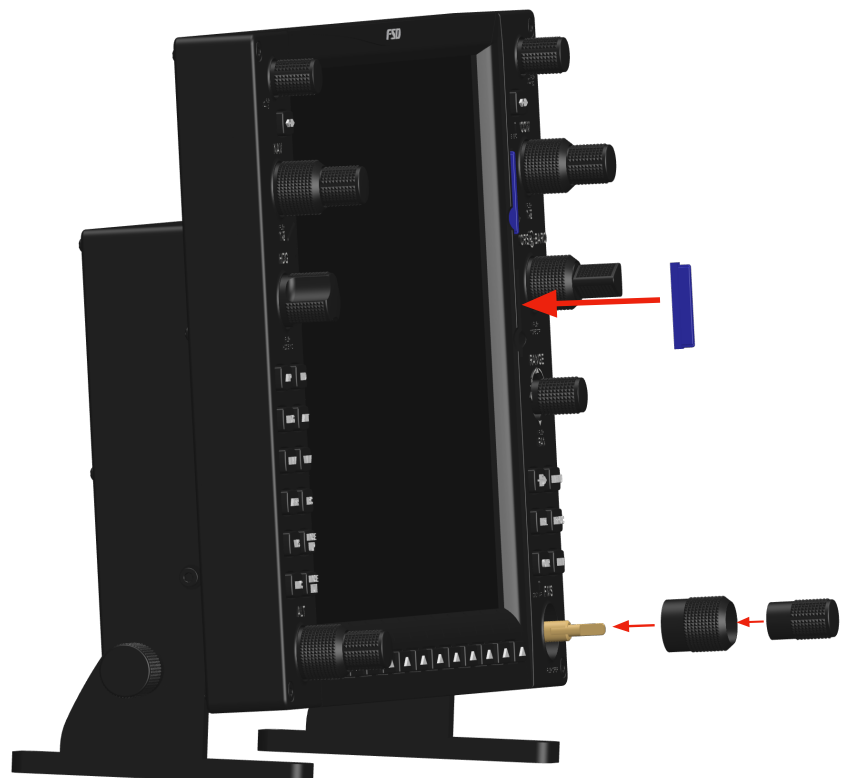Attach the center piece of the rear cover.

You'll need:

11   M2 x 5mm screws

19

Attach the knobs by pressing them onto the encoder shafts.

You can also glue the dummy SD cards into the SD card slots.

Congratulations…
Your FSD G1000 is complete and ready to connect to your Sim.