



G1000 v2

Assembly Instructions

Part 1

Hardware Needed



8 - 3mm Washer



2 - 3mm Regular Nut



2 - 3mm Nylon Lock



2 - M3 x 16mm Hex



2 - M3 x 14mm Allen Head



4 - M3 x 10mm Allen Head



24 - M2 x 15mm Round Head



36 - M2 x 5mm Round Head



2 - M2 x 4mm Pan Head Screw

Tools and Supplies Needed

Pliers

Screw driver

Cutting Tools

Soldering Tool and Supplies

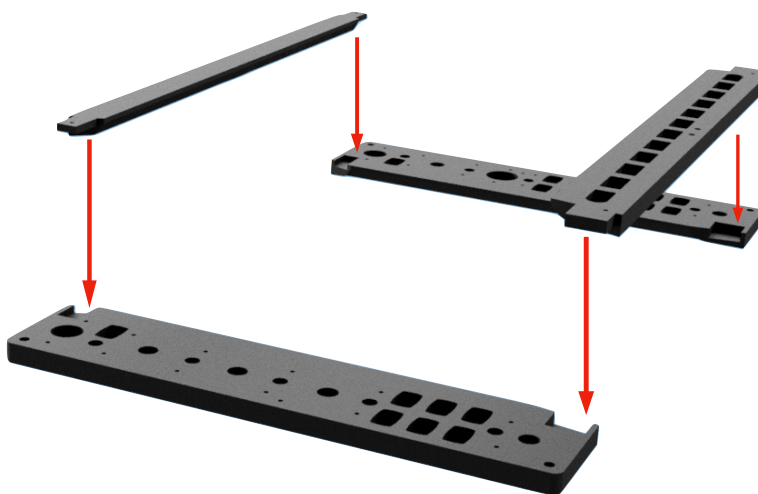
Sanding and Painting Tools and supplies

A very understanding Partner

And anything else you think you need...

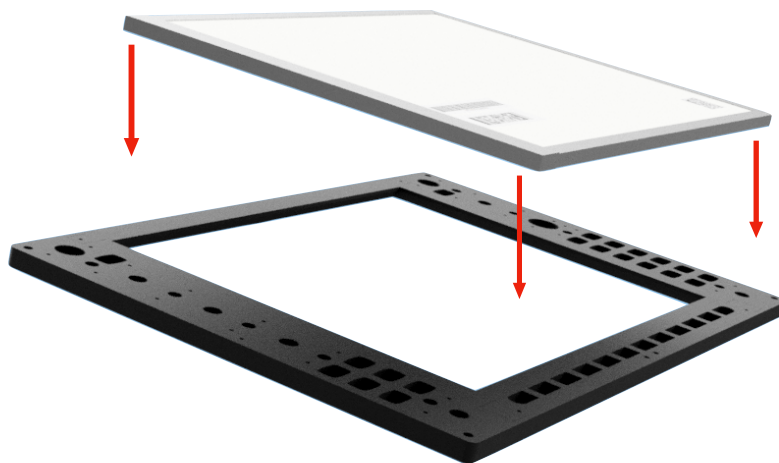
1

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

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

You will need:

4 - M2 x 5mm screws



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

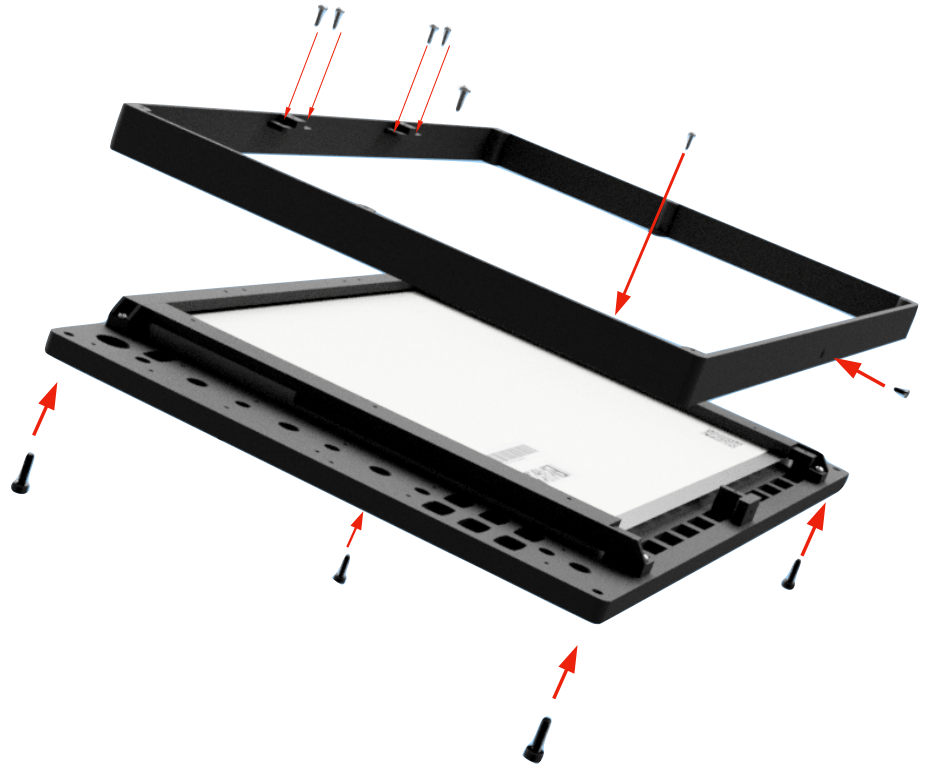
4

—Optional—

If you are going to use the rear case then attach the the rear case frame. You will need:

4 - M3 x 10mm Allen head
6 - M2 x 5mm screw
1 - M2 x 4 Pan head

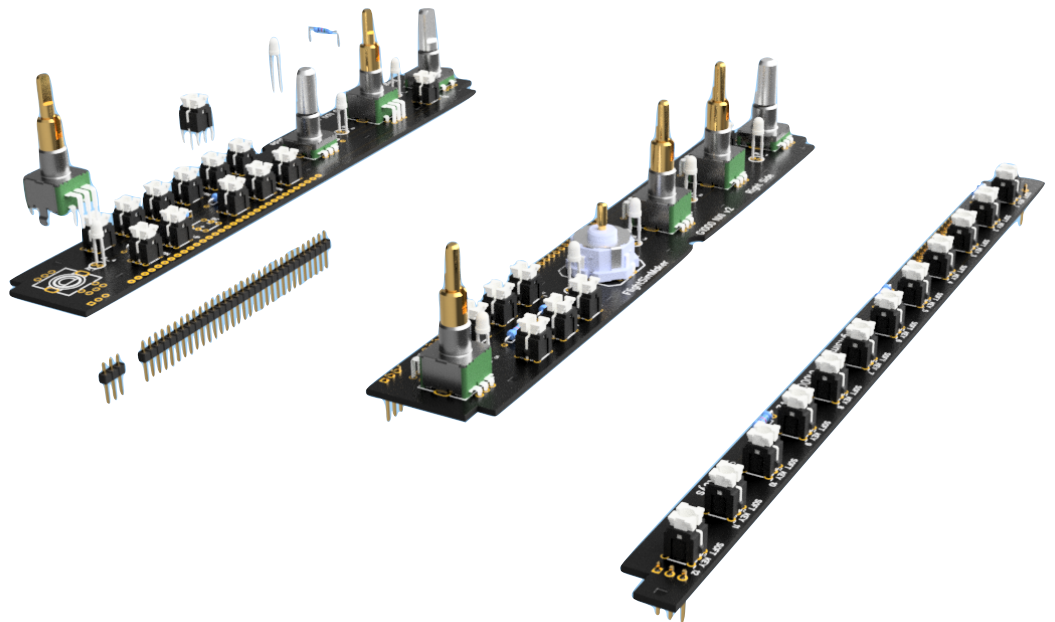
If not using the rear case,
skip to next step



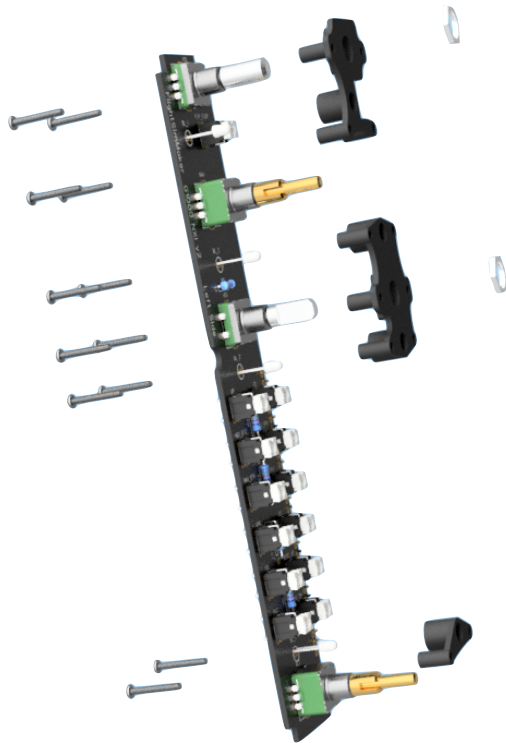
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Assemble the PCB's and
solder all connections.

See the PCB Instructions
for more information.

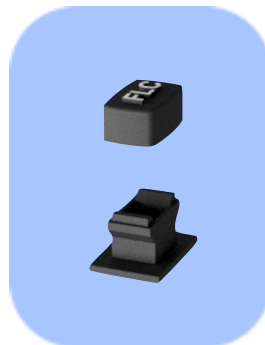


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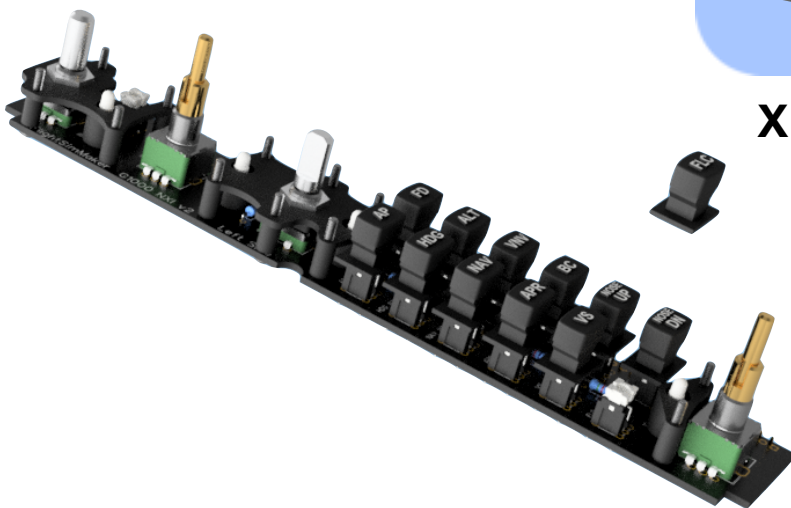
Place the right and left PCB holders onto the PCB's as shown.

7



x 32

Assemble the keys by glueing each key cap to a key switch adapter and snapping it onto the correct PCB switch.

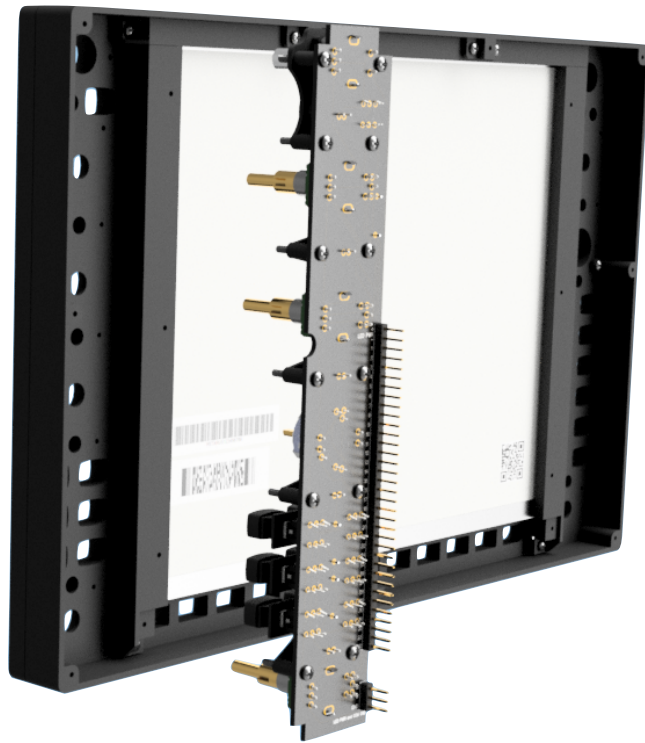


8

Insert the completed Right PCB assemble into the face plate and tighten all screws.

You will need:

12 - M2 x 15



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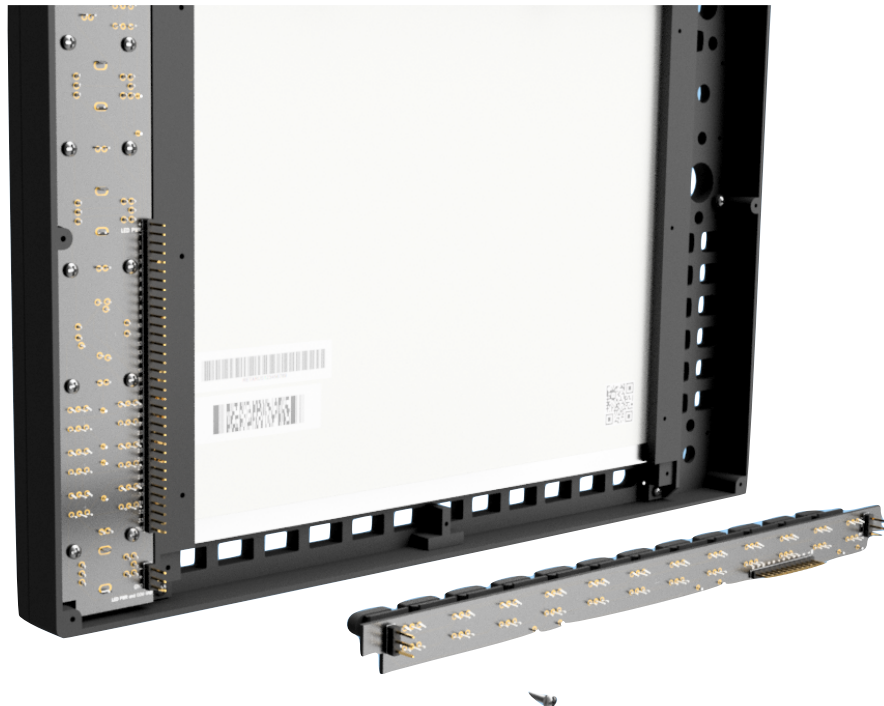
Insert the bottom PCB into the face plate and secure with 2 M2 x 5mm screws.

Note:

If not using the rear cover option then attach the 3rd M2 x 5mm screw to the center PCB hole now.

Note:

If not using the rear cover option then the rear cover frame will not be here as shown.



10



Insert the completed Left PCB assembly into the face plate and tighten all screws.

You will need:

12 - M2 x 15

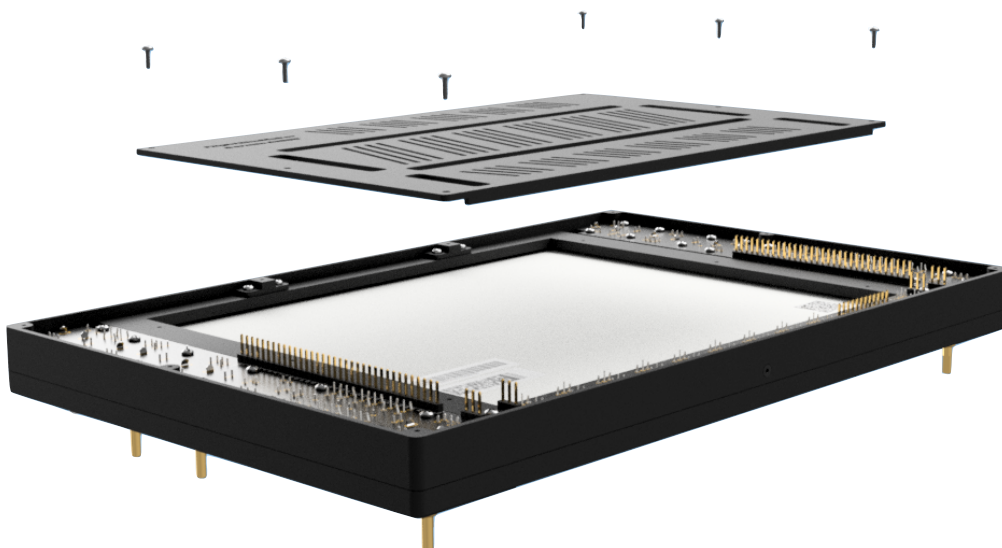
Note:

If not using the rear cover option then the rear cover frame will not be here as shown.

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Attach the Backplate using

6 - M2 x 5mm screws



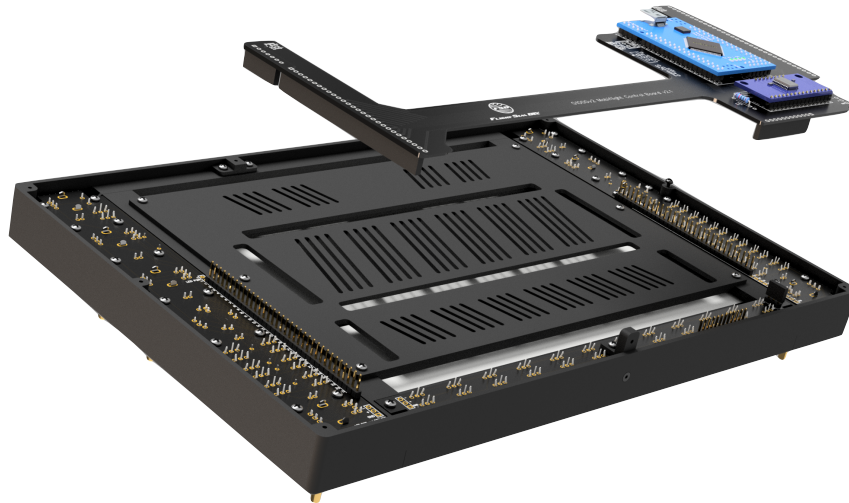
12

Now it's time to install the Mobiflight Control Board. (Optionally, you can choose to use your own IO solution instead).

Once assembled, the Mobiflight Control Board is simply aligned and plugged into the Faceplate pcbs.

The Mobiflight Control Board includes premade configuration files. For more information on the PCB's and Mobiflight, please see the PCB instructions.

(A special Thank you to Nicolas @Bradsena for creating the Mobiflight Files)

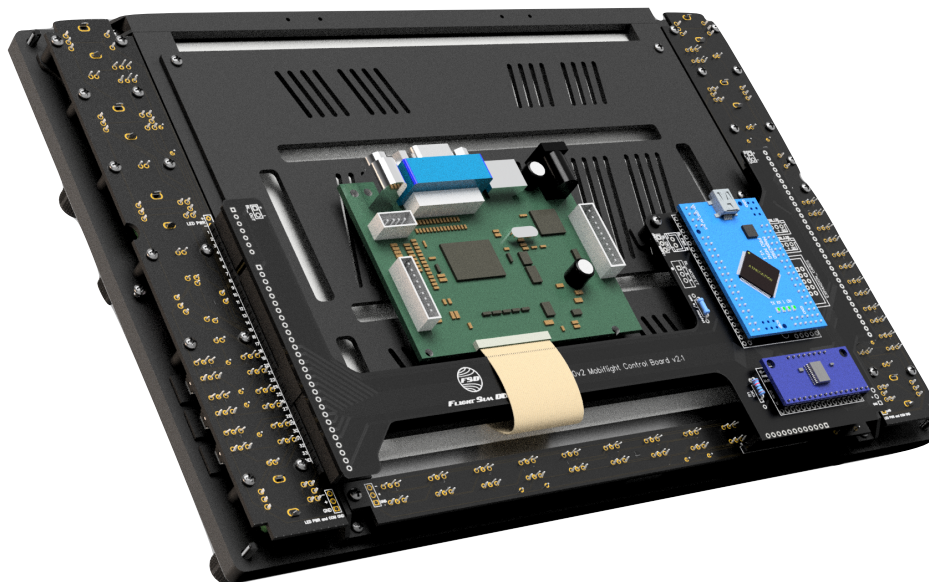


Note:

If not using the rear cover option then the rear cover frame will not be here as shown.

Included in the Print files are some mounting screw standoffs. You'll need one to secure the Mobiflight control board to the backplate (using a M2 x 5mm screw).

You will also use these to attach other items such as the LCD control boards to the backplate.



Complete

No Back cover option

If you are not using the rear cover option then you are all done. Your G1000 is now ready to mount in your instrument panel. Otherwise, continue on to Part 2 for completing the rear cover



For Knob installation go to Part 2 step 20

Continue to Part 2 for back cover option