GDU1500
Instructions

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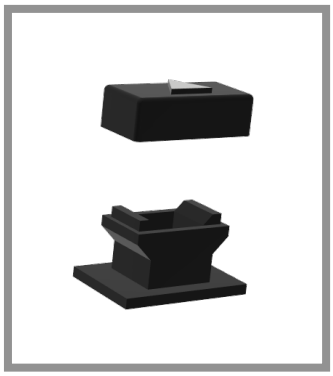
1

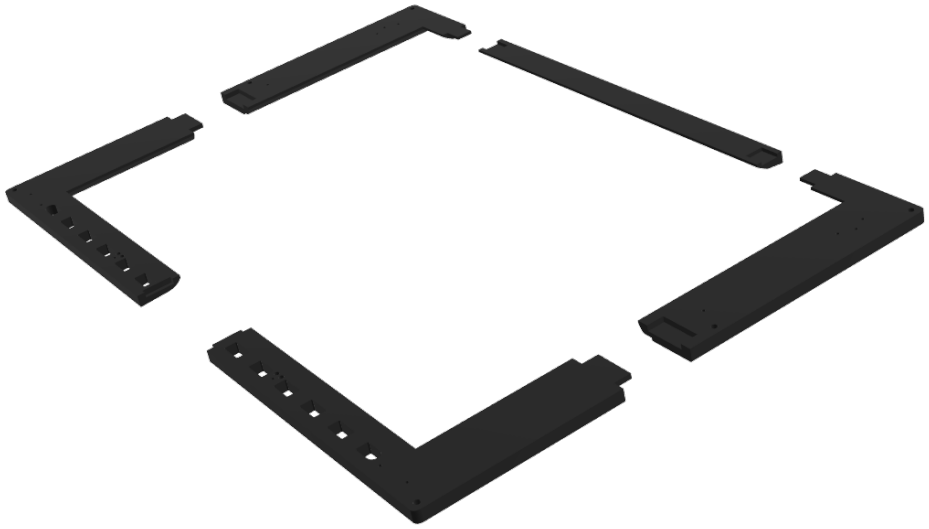
Assemble the Soft Key PCB board and keycaps as shown.



x12

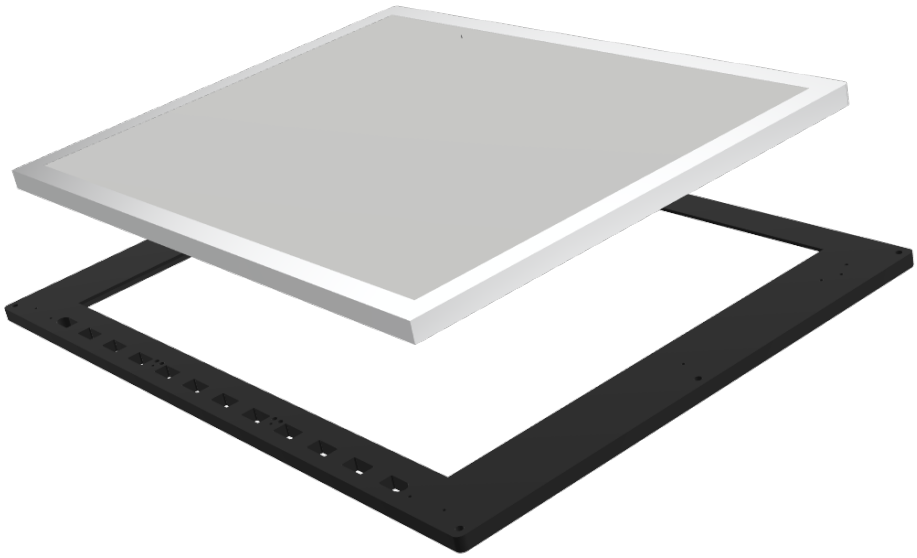
2

If using the 5 piece faceplate, Glue the parts together and secure against a straight edge while the glue cures to ensure the parts are square. If using the Complete 1 piece faceplate, continue to step 2.



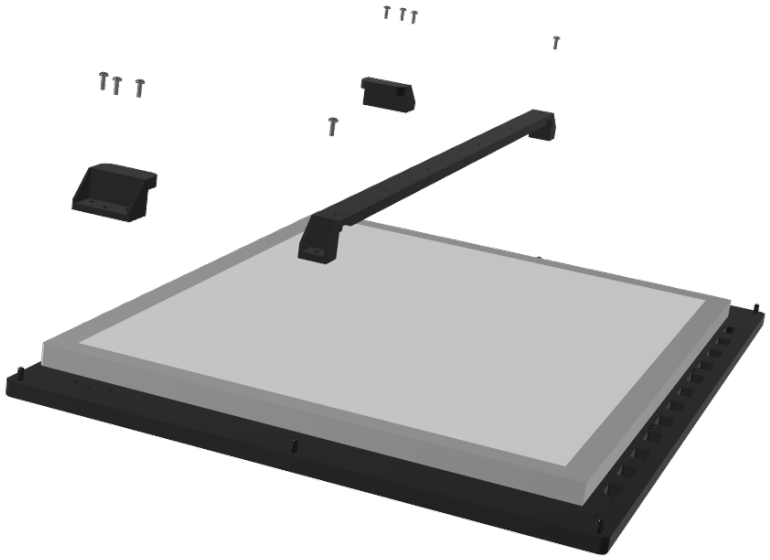
3

Place the LCD onto the backside of the faceplate and align the screen with the front opening.



4

Attach the top and center LCD brackets with (8) 2mmx5mm screws. If needed the center bracket is also made in a 2 piece version that can be glue together (see the print files folder)



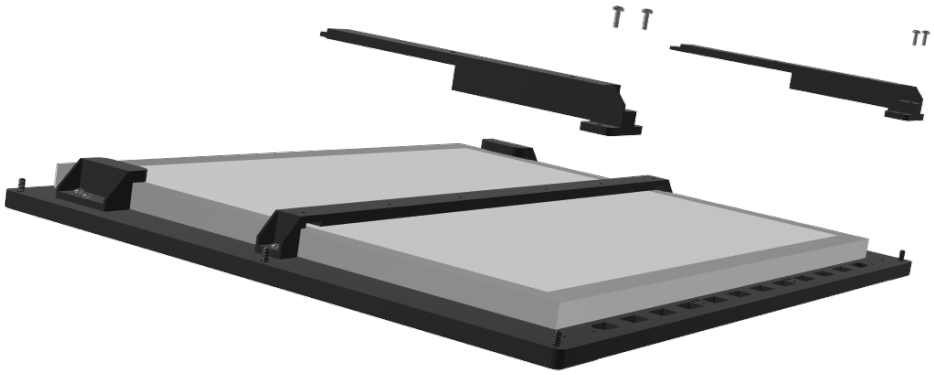
Note:

You may need to use shims between the Brackets and the LCD.

There is a gap to allow for different size LCD's

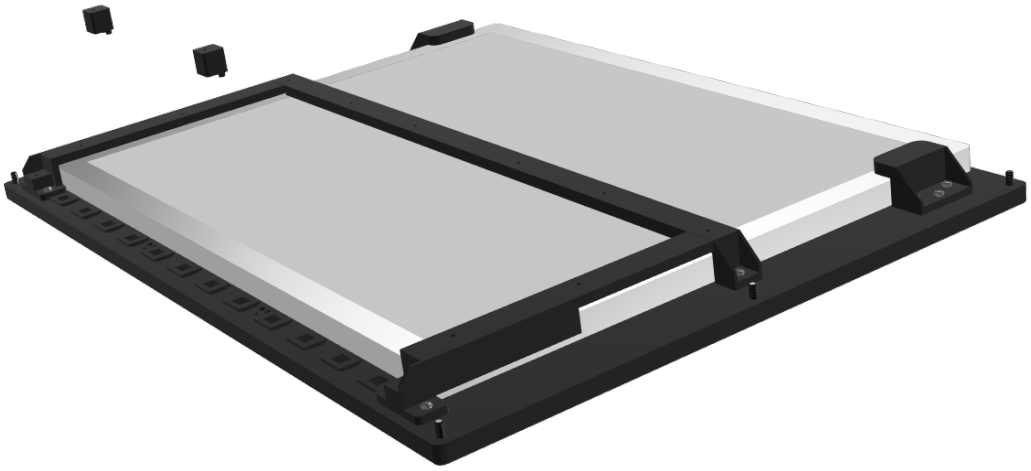
5

Attach the 2 bottom LCD brackets with (4) 2mmx5mm screws. The top of the brackets have a tap that slips under the center bracket.



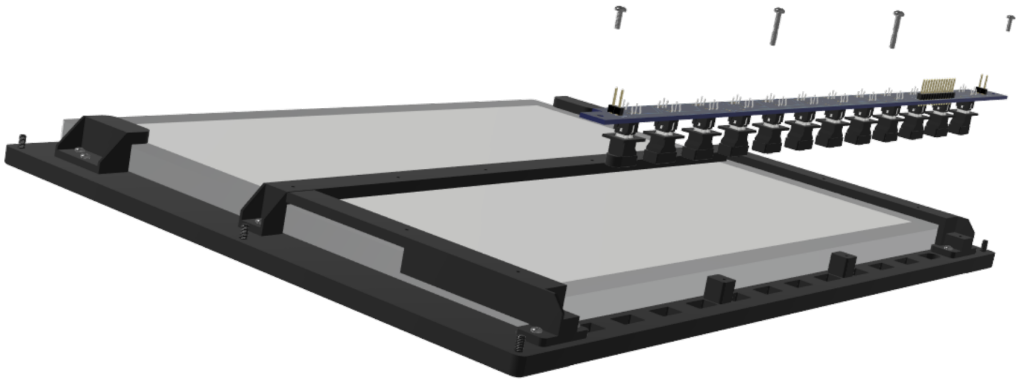
6

Glue the 2 SK PCB Mounts onto the back of the faceplate. There are locating tabs on them to help with alignment.



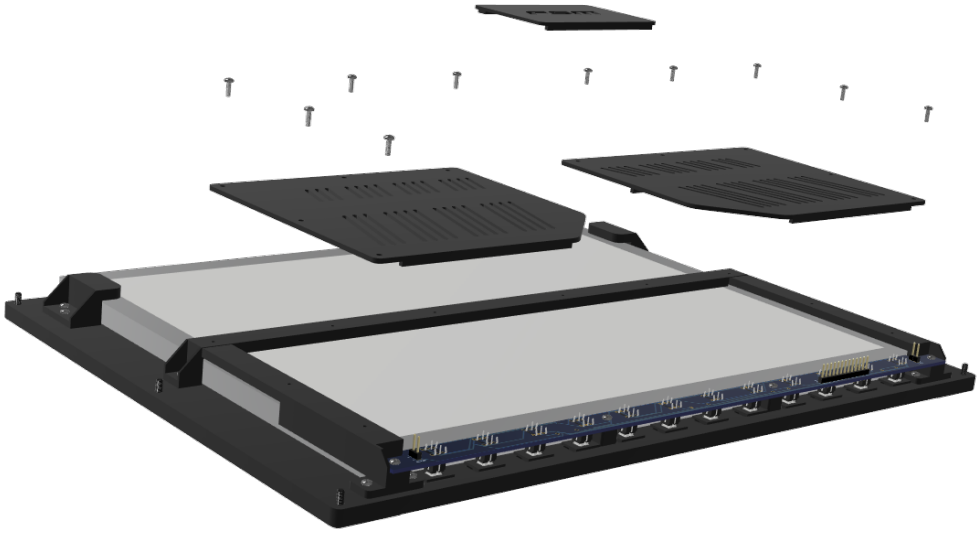
7

Install the previously assembled soft key PCB into the back of the unit. Secure with (2) 2mmx5mm screws and (2) 2mmx15mm screws.



8

Attach the 2 backplates with (10) 2mmx5mm screws. The optional Logo plate can be glued in between them as shown.

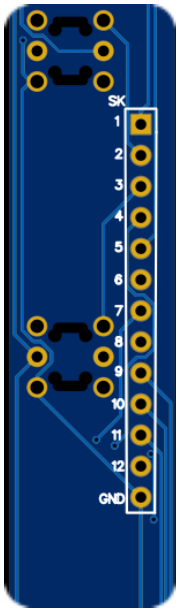


9

Use the provided standoffs to attach the LCD control board and your choice of I/O interface board to the back of the unit.

10 Complete...

PCB Information



1 - Soft Key 1
2 - Soft Key 2
3 - Soft Key 3
4 - Soft Key 4
5 - Soft Key 5
6 - Soft Key 6
7 - Soft Key 7
8 - Soft Key 8
9 - Soft Key 9
10 - Soft Key 10
11 - Soft Key 11
12 - Soft Key 12
GND - GND

The 2 pin connectors on each side of the PCB are for the Backlight power bus. 12v power is recommended. This allows you to tie into the backlight power from a G1000 unit mounted next to this MFD. Then the power can be passed onto another G1000 unit on the other side.

Resister Values

Please note that these values are based on using a 12v power supply.

Please double check based on the ratings of the LED's you are using

$$R = \frac{(\text{PWR Volts} - (\text{LED Volts} * \#\text{ of LEDS}))}{\text{Current rating of LED's in mA}}$$

R1 (3 LED's) = 150 ohm
R2 (3 LED's) = 150 ohm
R3 (3 LED's) = 150 ohm
R4 (3 LED's) = 150 ohm