

Smarti Pi Touch Pro



Assembly instructions

Questions or missing parts? Email info@smarticase.com
Drawings and CAD files are available at smarticase.com

Power supply

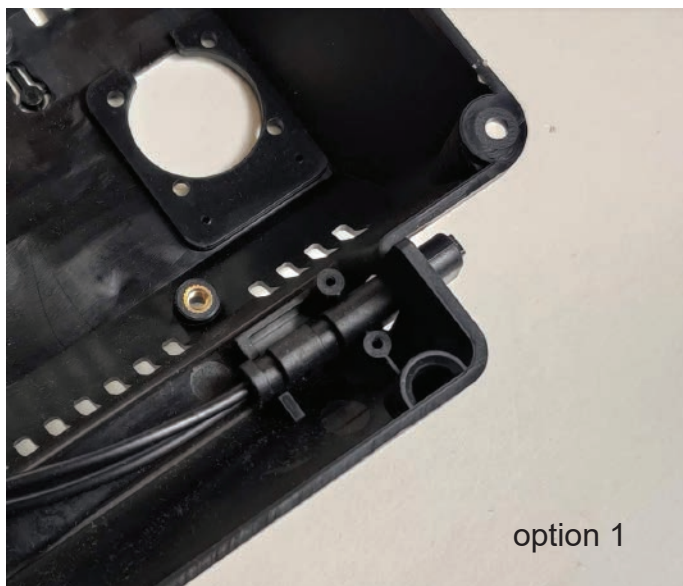
Always use a UL or CE marked wall power supply with the included splitter cables. Use a wall power supply that can deliver enough current for your application. For best results, use a 5.1 volt power supply to avoid low voltage warning on the display. The official Raspberry Pi power supply is recommended.

The splitter cables are only for use with the Raspberry Pi and Official Raspberry Pi display.

Raspberry Pi 2 and 3		Micro USB (Pi 2 and 3)
5.1 V 2.5A Micro USB Power supply recommended		
	Micro USB input	Micro USB (display)
Raspberry Pi 4		USB-C (Pi 4)
5.1 V 3A USB-C Power supply recommended		
	USB-C input	Micro USB (display)

Step 1

Please choose which splitter works your Raspberry Pi model. Insert the female end into the back cover as shown below. The cable can be assembled in either of two positions. Option 1 extends further out for easier access. Option 2 is the more compact option.



Step 2

Use two of the small black screws to secure the small plastic retaining part to the back cover. This will hold the power cable in the case.



Step 3

Assemble the metal base on the bottom of the plastic base. The metal base can only properly assemble onto the base one way. Please make sure all of the holes are aligned. Use the four silver screws to attach the metal base to the plastic base. Assemble the screws as shown in the photo. Then assemble the adhesive rubber feet in the locations show below.

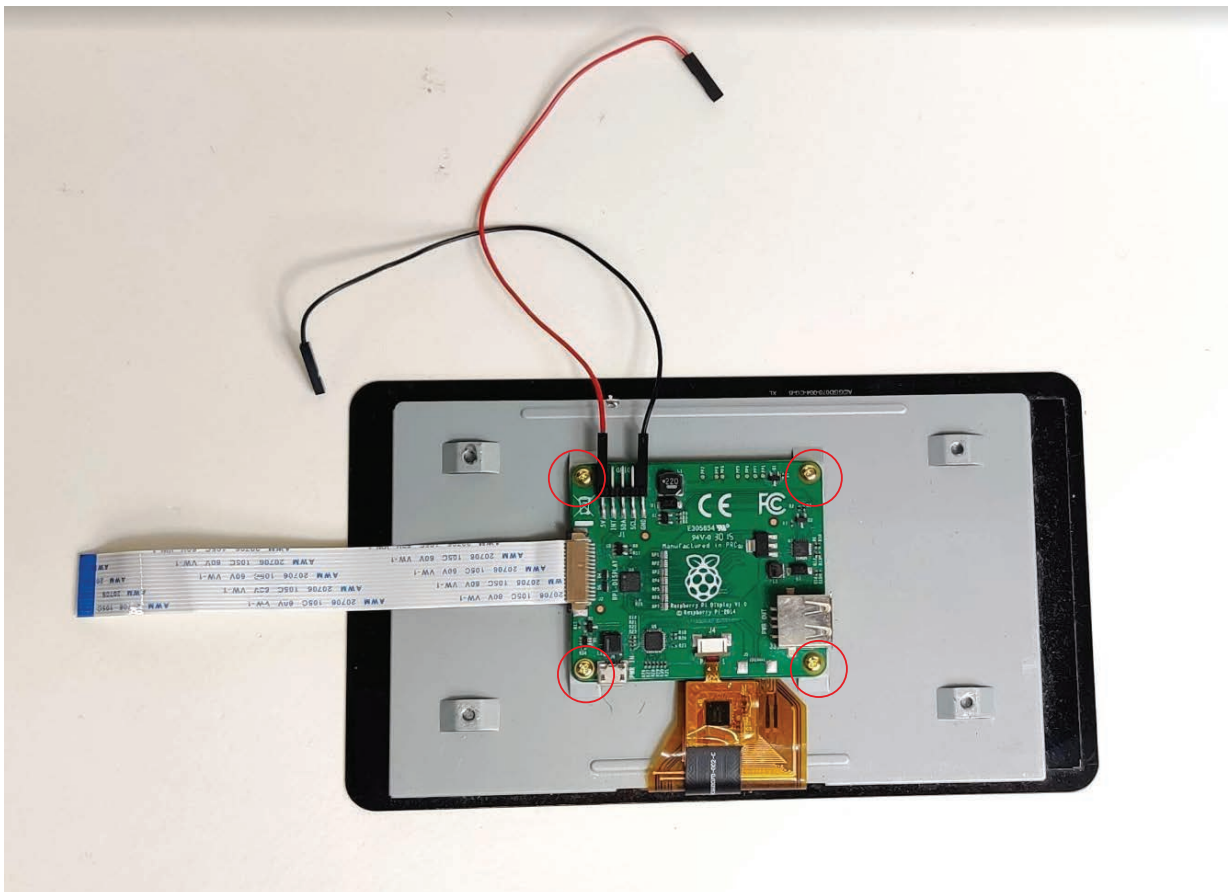


If you do not have a metal base, attached the four adhesive pads to the plastic base.



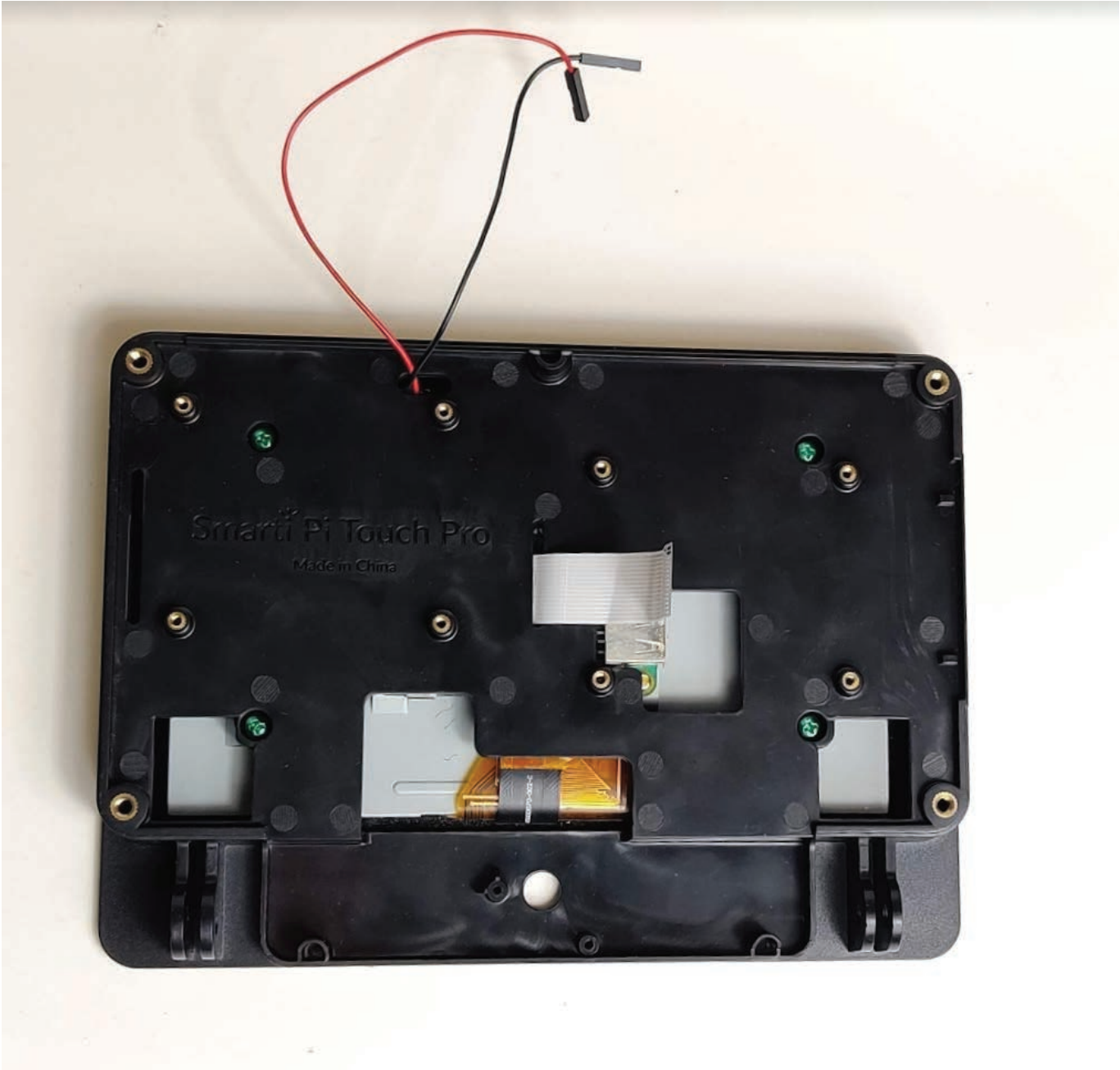
Step 4

Assemble one of the white ribbon cables with the contacts facing up to the display connection on the display board. If using the fan, connect the red jumper lead **that came with the display** to the 5v connection on the display board GPIO pins and the black jumper lead to the ground pin. Remove the standoffs that attach the display board to the display and replace with the provided gold screws (circled in red).



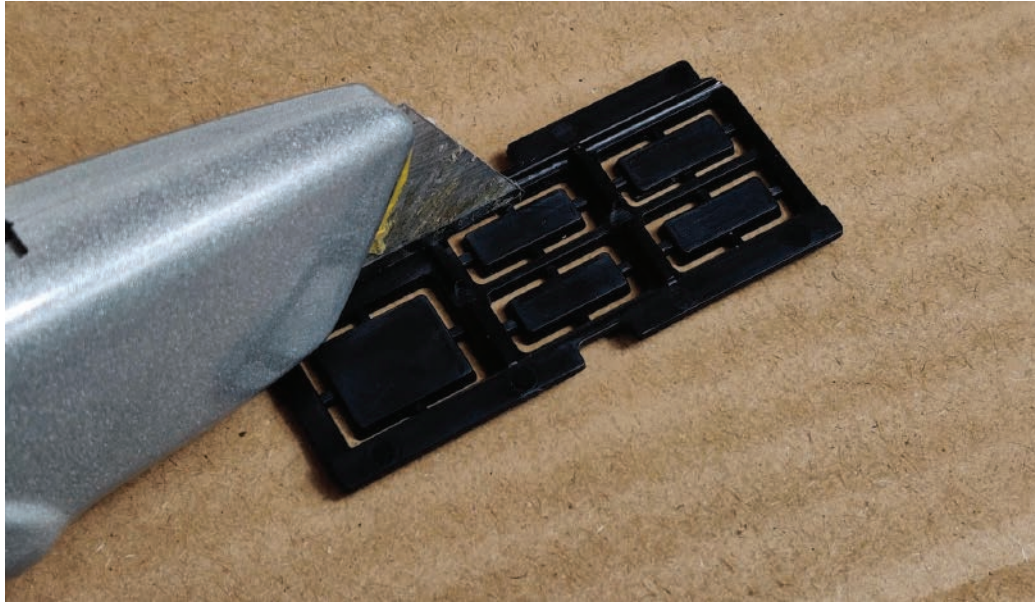
Step 5

Attach the display to the housing using the green screws as shown below. Feed the white ribbon cable through the slot in the center of the housing. Feed the fan power leads through the hole at the top.



Step 6

If using the port blocking part, from the back side cut out the desired ports with a utility knife. Two parts are included. One for Pi 2/3 and one for Pi 4.



Step 7

Assemble the port block part and the Raspberry Pi at the same time to the display housing. Use the standoffs that were removed in step 4 to hold the Raspberry pi in place. You can also purchase additional m2.5 standoffs and screws to attach HAT boards or other hardware to the other set of m2.5 threaded inserts. (49mm x 58mm)

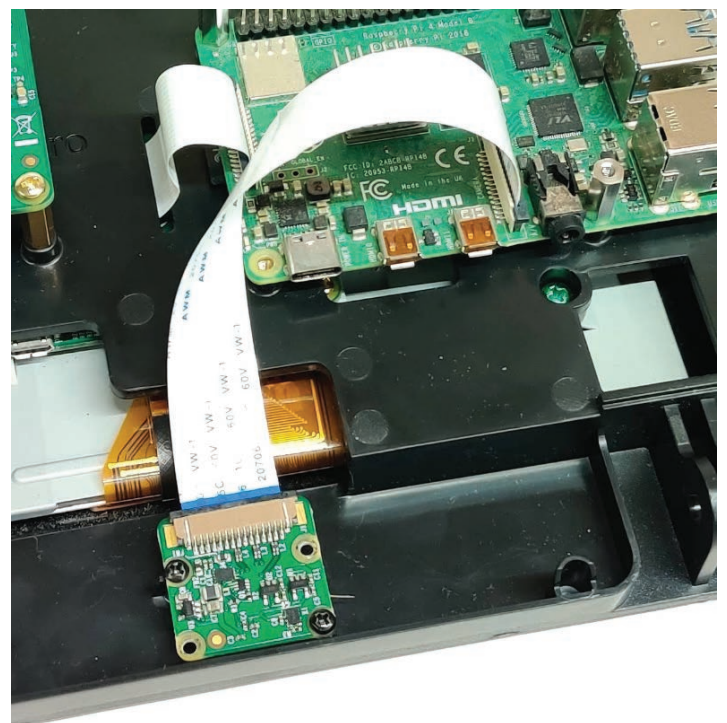
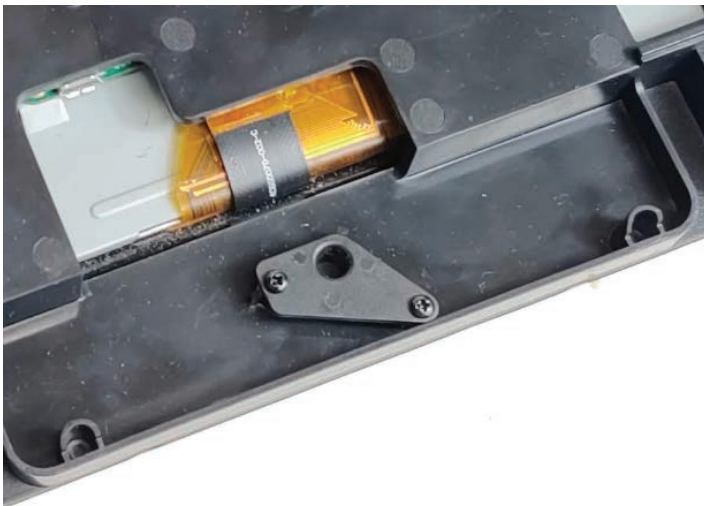


You can choose to mount the Raspberry Pi in the other set of brass inserts if you wish. Although you won't have access to the USB and ethernet ports.



Step 8

Assemble the camera cover part with two of the small black screws if you choose to not use the camera. If you choose to use the camera, the Official Raspberry Pi camera can be assemble into the these holes with two of the small black screws



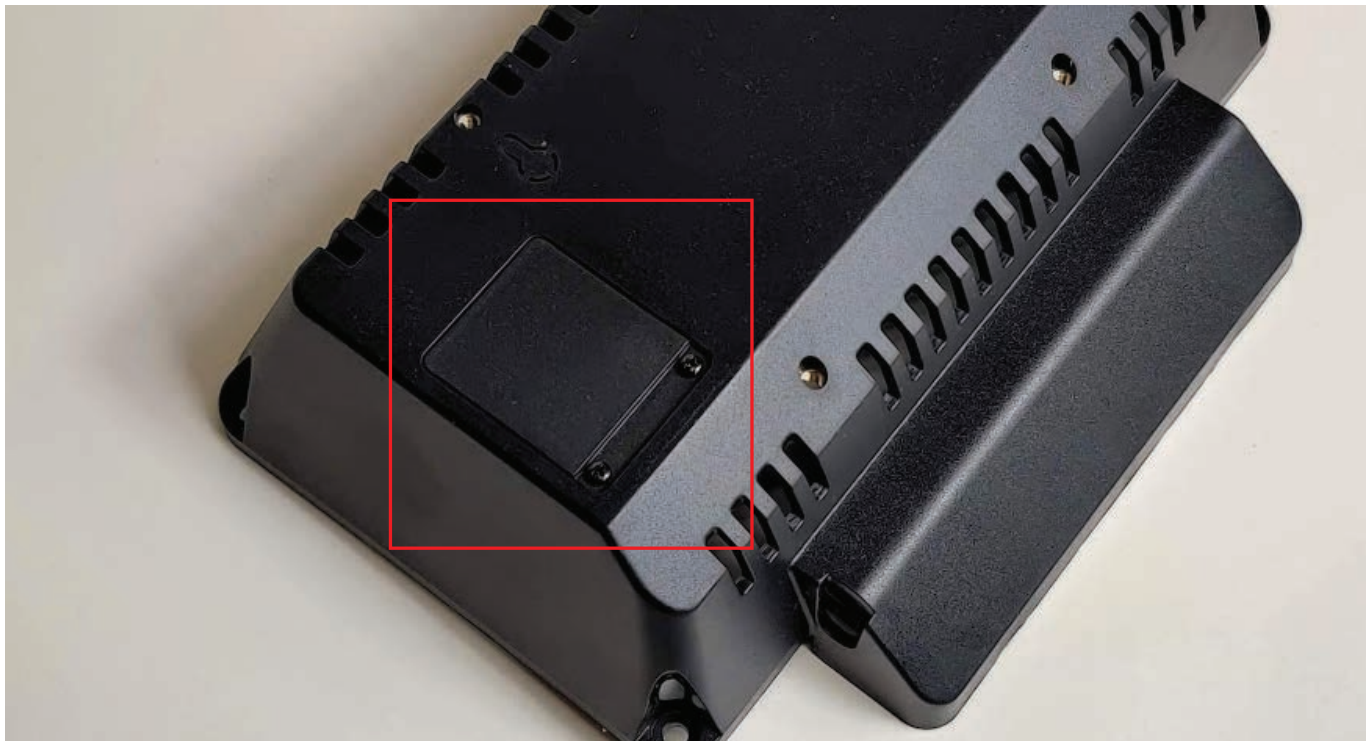
Step 9

Assemble the display housing to the stand with the large black screws and nuts. **DO NOT OVERTIGHTEN.** Loosely attach the screws at this point.



Step 10

If you choose to not use the fan, the small door can be assembled into the hole in the back cover and attach with two of the small black screws.



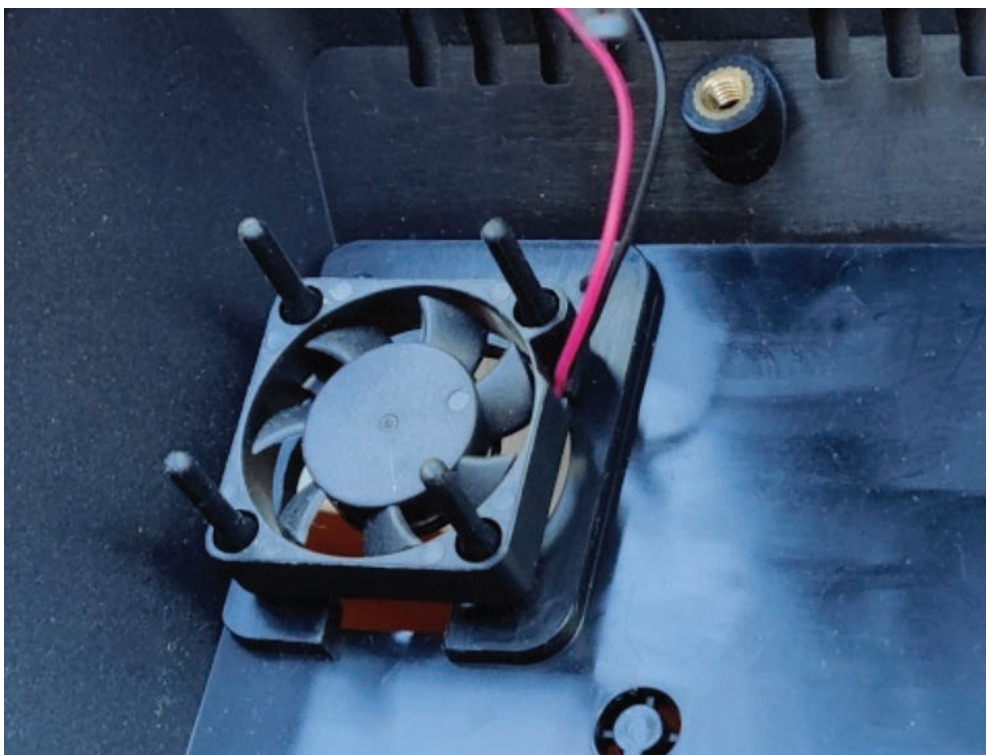
Step 11

If you choose to use the fan, attached the small rubber vibration mounts to the holes in the back cover as shown below. Push the small end of the mount through the back cover from the outside. Then pull it through the cover as shown.



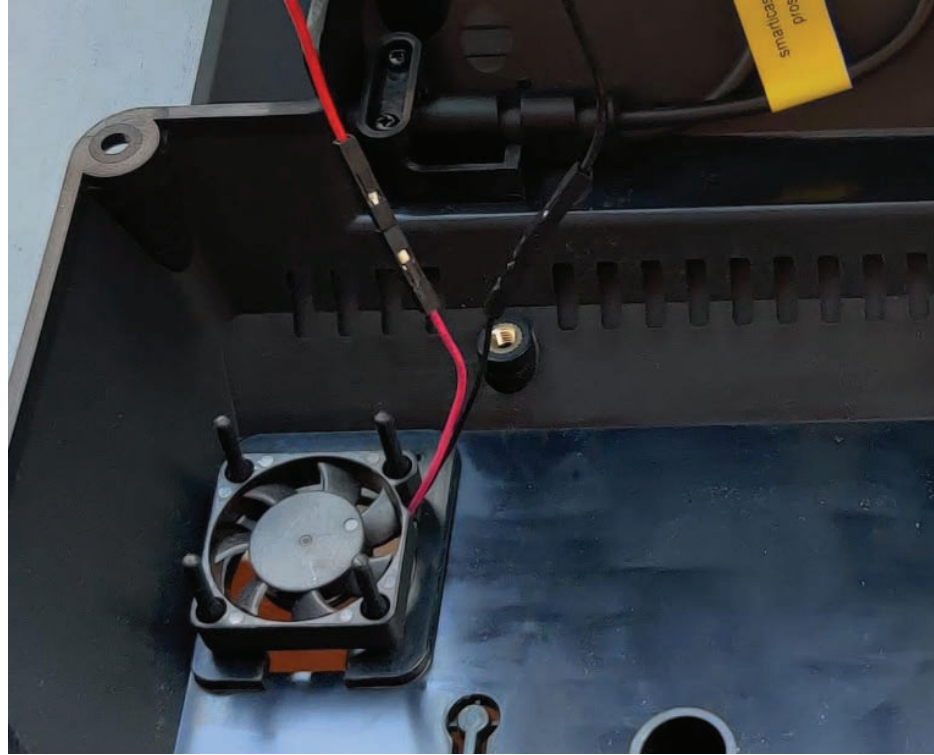
Step 12

Then pull the rubbers mounts through the fan holes and pull the thin end of the mount until the fan is mounted on the rubber mount as shown below. The fan should only be mounted in the way as shown below.



Step 13

Attach the power leads from the display to the red and black on the fan.



Step 14

Assemble the back cover to the display housing with the four black screws. The port blocking part should have tabs that fit inside the housing and cover.



Step 15

Adjust the angle of the display to suit you needs. Then tighten the pivot screws.
DO NOT OVERTIGHTEN. Tighten the screws just enough to hold the display in place.



Adhesive front panel

If the case came with a blank adhesive panel for the front, this can be used to permanently hide the camera hole. Align the label with the small edge in the plastic below the display. Do not have the plastic camera cover part installed, as this is not needed if using the adhesive panel.

Replacements can be purchased in our store.

Custom artwork and logos can be added to this panel for bulk quantity purchases.



VESA mounts

75mm VESA mounts (circled in red) can be used to mount the display housing instead of using the stand. The threaded holes are size m4

Two eyelets can be cut out with a utility knife (circled in blue) to mount to a surface. The mounting points are 75mm apart.

