



Sapphire Plus/Pro Waveshare 4 HDMI Display Case

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Summary

This is a case that I designed to use Klipperscreen with the Waveshare 4 HDMI display (800x480) in the Sapphire Plus/Pro

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This is a case that I designed to use Klipperscreen with the Waveshare 4 inch HDMI display (800x480) in the Sapphire Plus (SP-5) or Pro (SP-3).

In addition to KlipperScreen, it can also be used with Octoprint with Octoscreen.

It can be installed by removing the stock display, and use the hole to pass the cables and add a 30x30x10 fan.

It can also be used without any modification to the printer, by passing the USB cables (to power adapter and printer) by a hole in the front bottom.

There is no need to use any screws to hold it as it was designed to use one of the following sets of magnets:

2pcs - 30mmx6mm ferrite magnets

Up to 8pcs - 12mmx6mm neodymium magnets

The display model is:

https://www.waveshare.com/wiki/4inch_HDMI_LCD

To screw the display to the case, you must use 4 x M3 screws and 4 x M3x6mm threaded insert nuts.

Print with the front face flat on the print bed.

No supports needed.

0.2mm (or lower) layer height.

3 (or more) perimeters/walls.

4 (or more) bottom/top layers.

8% (or more) grid infill.

Model files



sapphireplusandpro_klipperscreen_case_for_wavesha.stl



sapphireplusandpro_klipperscreen_case_for_wavesha.stl



fan_holder.stl

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