



Pimoroni Inky Impression Case

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updated 10. 2. 2021 | published 12. 1. 2021

Summary

A wall-mounting and desk-stand case for the Pimoroni Inky Impression 7-colour e-ink display and Raspberry Pi Zero

[Hobby & Makers](#) > [Electronics](#)

A wall-mounting and desk-stand case for the Pimoroni Inky Impression 7-colour e-ink display and Raspberry Pi Zero

Print instructions

This is a wall-mounting and desk-stand case for the [Pimoroni Inky Impression](#) 7-colour e-ink display. I wanted to make a simple protective case for the display and a Raspberry Pi Zero W which had the following features:

- A clean front with no visible fixings and a symmetrical border around the image area
- No pressure applied to the fragile glass screen of the Inky Impression
- Access to the 4 buttons on the Inky Impression board
- Access to the breakout connector on the Inky Impression board
- Simple wall-mounting
- Optional desk stand

Printing

Print the following parts:

- 1 x inky-impression-case-frame.stl
- 1 x inky-impression-case-backplane.stl
- 4 x inky-impression-case-button.stl

And, depending on whether or not you are using threaded inserts, either:

- 1 x inky-impression-case-rearpanel.stl (with inserts)

or:

- 1 x inky-impression-case-rearpanel-no-inserts.stl (without inserts)

There is also an optional desk stand that clips into the keyholes on the rear panel:

- [OPTIONAL: 1 x inky-impression-case-stand.stl]

The design is optimised for a 0.4mm nozzle and 0.2mm layer height with 20% infill. Using a concentric pattern on the bottom layer gives a nice finish to the frame.

You will also need:

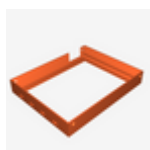
- 4 x M2.5 bolts, 6mm long (you can use the ones supplied with the Inky Impression)
- 4 x M2.5 countersunk bolts, 6mm long
- [OPTIONAL: 4 x M2.5 threaded inserts - brass heat-set type, external diameter 3.5mm, length 4-6mm]

Instructions

For full assembly instructions, go to:

<https://github.com/scripsi/inky-impression-case>

Model files



inky-impression-case-frame.stl



inky-impression-case-rearpanel.stl



inky-impression-case-backplane.stl



inky-impression-case-rearpanel-no-inserts.stl



inky-impression-case-button.stl



inky-impression-case-stand.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing:1111111)

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