



xtouch
FLIP UP
ENCLOSURE
FOR P1P/S

xtouch enclosure for Bambu Lab P1P/ S



[VIEW IN BROWSER](#)

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Summary

An enclosure for the xtouch touch screen interface by xperiments. Fits over the P1P/S controls, gives access to both.

[3D Printers](#) > [Bambu Lab Parts & Upgrades](#)

Tags: [touchscreen](#) [interface](#) [xtouch](#) [p1pmods](#) [p1smods](#)
[xperiments](#)

Overview

A simple enclosure for the xtouch P1P/S interface by xperiments: <https://github.com/xperiments-in/xtouch>

This version houses the ESP32 touch screen in a way that replaces the standard printer controls, but swivels up out of the way to reveal them when needed. You get the appearance of a single touch screen, without losing access to the original control panel.

A video guide to installing xtouch and assembling this enclore can be found here:

Source CAD

My modifications were made in Onshape. Even if you don't have an account, you can still export the parts in a format of your choice by right clicking on them:

<https://cad.onshape.com/documents/45fd6fd6055835bc3ea98a37/w/1ef8d7c52ad3354ac787833e/e/6b500ddab5b98a62f3557288?renderMode=0&uiState=6525c4f2e48e0b417fef2e84>

Printing

There are three parts to be printed. Each can be made in whatever material you choose. I used PLA. Parts are already oriented correctly and no support material is needed.

For the front cover, there is a plain version and a version with a BL logo for multicolour printing.

Hardware

The required ESP32 touch screen is linked on the xtouch GitHub readme.

A USB-A to USB-B micro cable approximately 200mm in length is ideal. I speculate that a cable as short as 150mm might just reach, and if the cable was longer, the enclosure has space to tuck in the excess.

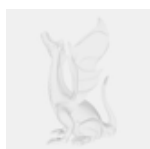
6 x M3 x 12mm countersunk bolts for attaching the rear to the front pieces.

2 x M3 x 12mm bolts for attaching the enclosure to the adaptor.

Assembly

Assembly is simple and is covered step by step in the video above.

This remix is based on



None

Model files



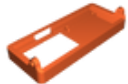
front-cover-bl-logo.3mf



adaptor.stl



rear-cover.stl



front-cover-plain.stl

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