



Esp32 Controller / rotary encoder + 4 buttons + 3 leds



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Summary

rotary encoder round display controller box for esp32

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Tags: [esp32](#) [rotaryencoder](#) [gc9a01](#)

Parts list:

Esp 32 wroom 32 d dev board

240*240 GC9A01 1.28inch display with bottom soldered pins

rotary encoder round shaft

wires

m3 screws 6/8/12mm , nuts for screen holding pegs

4mm diameter 4mm length brass inserts

buttons with 4mm long button part

bend display pins backward

do not screw in encoder assembly before you fit controller ring into it
otherwise the inner gear will not let you assemble (fit controller ring at an angle from the bottom where display pins are)

software WIP

Model files



controllerbase-partbuttonassembly.stl



controllerbase-partscreenholderpeg.stl



controllerbase-partsidepanelright.stl



controllerbase-partencodergear.stl



controllerbase-partsidepanelleft.stl



controllerbase-partshellfront.stl



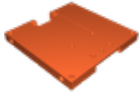
controllerbase-partencoderspacer.stl



controllerbase-partcontrolring.stl



controllerbase-partscreenandencoderassembly.stl



controllerbase-partbase.stl



controllerbase-partcontrolringinnergear.stl



controllerbase-partshellface.stl



controllerbase-partshellback.stl

controllerbase.fcstd

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