



ESP and cable guide for PrismLume



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Summary

Thin ESP holder and cable guide for mouning on the back of the PrismLume

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I build the very nice [Prismlume](https://www.printables.com/model/836762-prismlume) (<https://www.printables.com/model/836762-prismlume>) by [@How To Homemade](#), but I missed a place to mount the ESP32 board and get rid of the wireloom. So I created this model. It holds the ESP32, guides the wires and has a loop for hanging the Prismlume to the wall.

It uses 6 M2 3x3.5mm inserts and bolts. Two to mount the guide to the PrismLume and four to fix the cover in place. Besides the two mounting screws I glued the guide to the back.

I use a second 5V supply to the WS2812b LED strip at the 'far' end, and drilled 2 holes in the prismlume to be able to guide the wires to the back into this guide. The 'wire tree' is hidden in the two empty channels of the guide. It is very low, so the wires need to be soldered directly onto the board.

Model files



esp32-holder-prismlume.stl



esp32-holder-cover-prismlume.stl

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