



Pixel Grid case for 16x16 matrix, esp32, wled



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Summary

Pixel grid case for a BTF lighting 16x16 grid on wled on an esp32

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Second model published, but the first one i actually started to work on. Diffuser + box for a 16x16 pixel grid (available from BTF lighting).

for the diffuser, first three layers are white PLA, then switched to black pla for the remainder of the grid.

the Case has mount holes for a usb power breakout board. (<https://www.aliexpress.com/item/32827910858.html>)

INMP441 mic (<https://www.aliexpress.com/item/1005004862555297.html>)

and some basic buttons - <https://www.aliexpress.com/item/32858344336.html>

use your favorite esp32 board.

once everything is wired up, lay the pixel grid in the frame, and snap in the diffuser. Do note, the diffuser has channels cut in the frame to allow

clearance for the resistors on the face of the pixel grid. be sure to line it up in the correct orientation.

Model files

pixelgrid1.stl



pixel-grid.step

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