



Split-Flap Display



VIEW IN BROWSER

updated 8. 8. 2021 | published 20. 6. 2021

Summary

10-unit split-flap display. 3D-printed flaps. Modular.

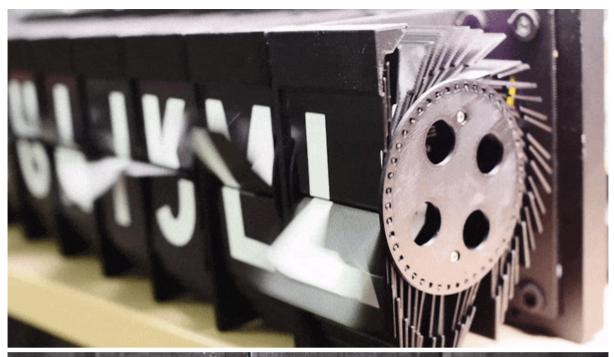
Hobby & Makers > Electronics

display

arduino

esp8266

splitflap





This split-flap display sets itself apart by being almost completely 3D-printed. The flaps are printed by changing the color mid-print and mid-layer. The case is also completely 3D-printed.

Video of the display in action (with sound):

https://www.reddit.com/r/3Dprinting/comments/o4boxk/ i_designed_my_own_splitflap_display/? utm_source=share&utm_medium=web2x&context=3

It can be used as a date display, clock or anything really. It is connected to the local network with an esp8266.

General info about display:

- 10 units (pcb design allows up to 16)
- 45 flaps per unit
- Size: 513 mm x 136 mm x 138 mm

More info in the instruction manual (scroll all the way down to "other files" in the files tab).

Github: https://github.com/Dave19171/split-flap

Partially inspired by https://splitflap.home.blog/

Model Files (.stl, .3mf, .obj, .amf)	B DOWNLOAD ALL FILES	
UnitFrame.stl updated 19. 6. 2021	211.5 KB	F3 3D
FlapDrumInner.stl updated 19. 6. 2021	404.6 KB	F3 3D
FlapDrumOuter.stl updated 19. 6. 2021	239.9 KB	F3 3D
FrontCoverLeft.stl updated 19. 6. 2021	60.8 KB	F3 3D
FrontCoverCenter.stl updated 19. 6. 2021	88.6 KB	F3 3D
FrontCoverRight.stl updated 19. 6. 2021	61.0 KB	F3 3D

MiddleFrameLeft.stl updated 19. 6. 2021	262.0 KB	F3 3D
MiddleFrameCenter.stl updated 19. 6. 2021	111.6 KB	F3 3D
MiddleFrameRight.stl updated 19. 6. 2021	262.0 KB	F3 3D
BackCoverLeft.stl updated 19. 6. 2021	114.1 KB	F3 3D
BackCoverCenter.stl updated 19. 6. 2021	43.2 KB	F3 3D
BackCoverRight.stl updated 19. 6. 2021	93.8 KB	F3 3D
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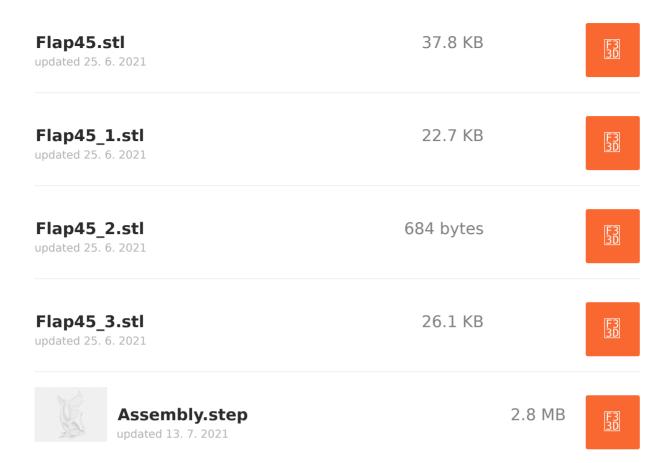
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Flap44_2.stl updated 25. 6. 2021	23.1 KB	F3 3D



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SplitFlapInstructions.pdf
updated 8. 8. 2021

4.1 MB





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