



ESP8266 Wemos Clock News Weather Scrolling Marquee



Qrome

[VIEW IN BROWSER](#)

updated 12. 4. 2022 | published 13. 3. 2020

Summary

I have been working on this project since November 2017 and have been enjoying it so much that it is time to share it.

[Hobby & Makers](#) > [Electronics](#)

Tags: [clock](#) [arduino](#) [esp8266](#) [wemosd1mini](#) [esp8266case](#)
[weather](#) [scrolling](#) [dotmatrix](#) [esp826612e](#) [news](#)

I have been working on this project since November 2017 and have been enjoying it so much that it is time to share it.

Features include:

- Accurate Clock refresh off Internet Time Servers
- Local Weather and conditions (refreshed every 10 - 30 minutes)
- News Headlines from all the major sources
- Configured through Web Interface
- Display 3D print progress from your OctoPrint Server
- Option to display random goofy advice
- Option to display Bitcoin current value
- Video: <https://youtu.be/DsThufRpoiQ>
- Build Video by Chris Riley: https://youtu.be/KqBiqJT9_IE

- Configurable scroll speed
- Configurable scrolling frequency
- Configurable number of LED pannels

Required Parts:

- Wemos D1 Mini: <https://amzn.to/2ImqD1n>
- Dot Matrix Module: <https://amzn.to/2HtnQID>

Note: Using the links provided here help to support these types of projects. Thank you for the support. This has been printed with PLA, TPU, and ABS. I really like the way the white turns out. I used White BAMtack PLA, Clear, and Glow with great results.

- White BAMTack PLA: <https://amzn.to/2vpvQPB>
- Red TPU: <https://amzn.to/2H74nI5>
- My Printer: <http://amzn.to/2BBYP4t>

Source Code under the MIT License is available here:

<https://github.com/Qrome/marquee-scroller> View the README.md for details on working with the code. There is now also a double wide version for those with smaller print beds -- [ESP8266 Double Wide Marquee Scroller News Weather Clock](#) Please share your makes.

- I have been asked a few times to share the step files --- sorry there are none. This design was created using Tinkercad so the only artifacts we have to work with are the STL files shared in the download. Enjoy.

Print instructions Category: Electronics Print Settings

Printer: Maker Select

Rafts: No

Supports: No

Resolution: 0.2

Infill: 20%

Notes:

Printed with 1.2mm on all walls top and bottom.

Model files



led_marque_base.stl



led_marque_plate.stl

[Find source .stl files on Thingiverse.com](#)

License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-NonCommercial

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition