



ESP8266 Double Wide Marquee Scroller News Weather Clock



Qrome

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Summary

This is the big brother to the original ESP8266 Wemos Clock News Weather Scrolling Marquee - it uses the same code.

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Tags: [clock](#) [weather](#) [weatherstation](#) [news](#) [ledclock](#)

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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 scrolling speed

- Configurable scrolling frequency
- Configurable number of LED panels

Required Parts:

- Wemos D1 Mini: <https://amzn.to/2ImqD1n>
- 2 x Dot Matrix Module: <https://amzn.to/2HtnQID>
- 6 x M3 Screws: <https://amzn.to/2TI1fEZ>

Note: Using the links provided above help provide support for these types of projects. Thank you for the support. I printed this in **Real Red 3D Solutech PLA** Source Code under the MIT License is available here:

<https://github.com/Qrome/marquee-scroller>

Note: For the double wide you must edit the Settings.h file and change the number of panels from 4 to 8. Look for:

```
const int numberOfHorizontalDisplays = 4;
```

and change it to:

```
const int numberOfHorizontalDisplays = 8;
```

View the README.md for details on working with the code.

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 Brand: Monoprice

Printer: Maker Select

Rafts: No

Supports: No

Resolution: 0.2

Infill: 20%

Notes:

I used 1.2mm walls top, bottom, and all sides.

Model files



open_marquee_right.stl



open_marquee_back_plate.stl



open_marquee_left.stl



open_marquee_center.stl



open_marquee_pannels.stl

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

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