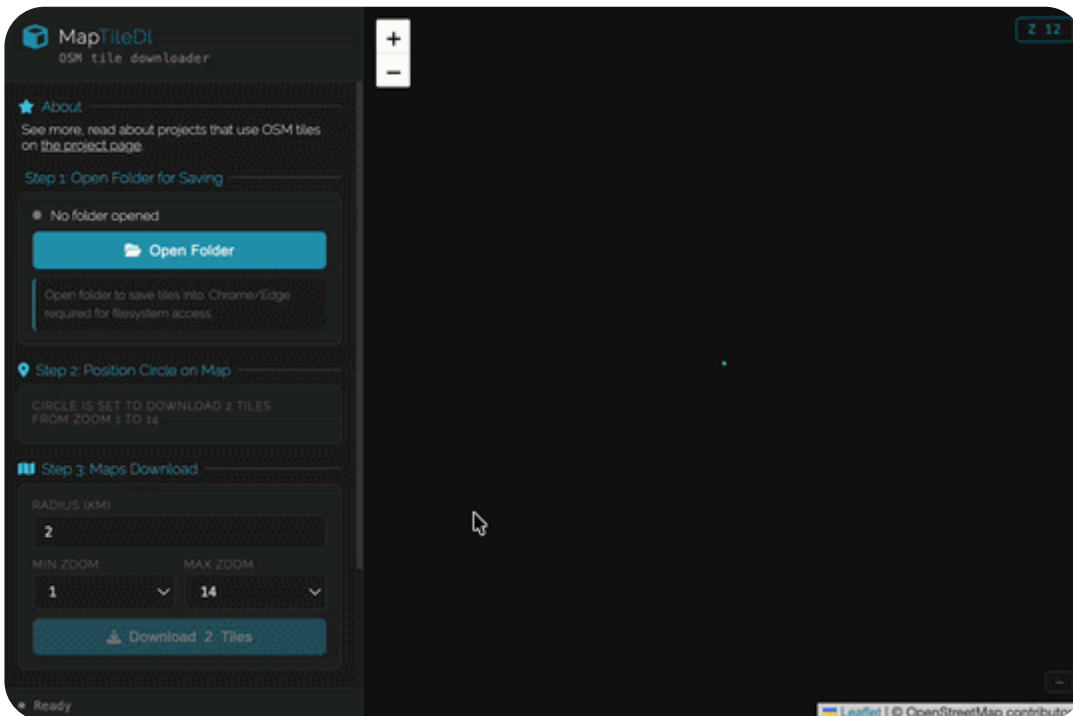


Map Tile Download and Visualizer

My web app for bulk-downloading Open Street Map tiles for offline use and visualizing what you've downloaded.

[-> Go there now! <-](#)



Download a whole town, country, even continent of OSM tiles.

Visualize what's been downloaded, add more at any time super easily. Perfect for

- Meshcore ESP32 Firmware projects
 - [Wadamesh firmware project](#) is my personal favorite so far
 - [MCLite](#) is perfect for simple deployments
 - [SigurdOS-tdeck](#) is promising
 - [Trail Mate](#) is map-focused and is trying to work with MC and Mt, both

- [Saitama](#) is up and coming
- [Meshtastic UI firmware](#)
- My OpenTx mapping widget, [AlphaMaps](#)
- Any firmware using my [NavBoxLib](#) library
 - Like my [NavBoxESP](#) firmware for M5 Cardputer and Lilygo T-Deck

Check out those projects, give my downloader a try!

File Sizes

How big is it, downloading tons of tiles?

- As of 2026-06-28 there were 73,650 tiles, totaling 1.2GB.
- Now as of 2026-07-09 there are 238,487 tiles, making the cache 4.0GB total

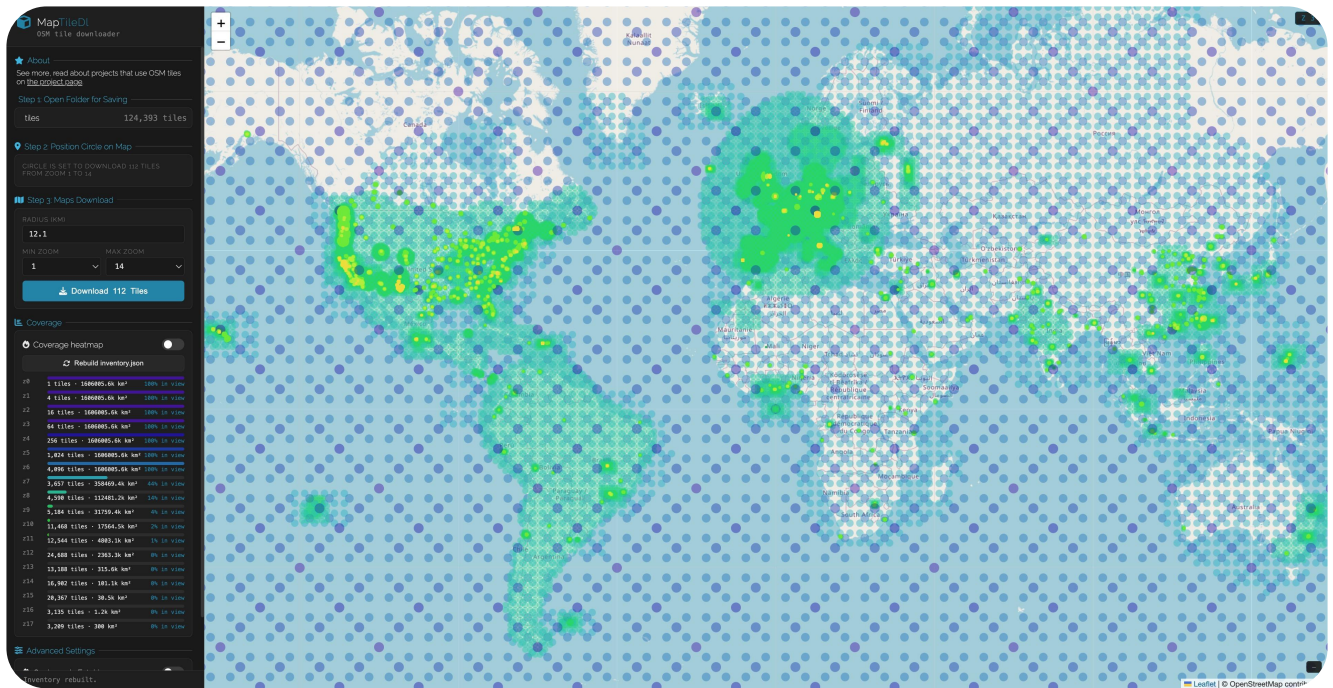
Seeing as most SD-Cards are 16 or 32 GB– might as well download it all. Use the cache-only mode to quickly download enormous areas.

Coverage heatmap



Rebuild inventory.json

z0	
z1	
z2	
z3	
z4	
z5	
z6	
z7	
z8	
z9	
z10	
z11	
z12	
z13	
z14	
z15	
z16	
z17	



If you download just your local area it can be 1-100 MB.

Limits:

- Everything is cached through my server. Tiles come from different OSM providers to lessen the load.
- Cache-misses (things nobody else has downloaded before) go slower to respect API limits
- There's limits on fresh tile loading!
 - So if you start getting errors zoom out a little, download a base map, and try again in the morning.
- Try the new "Cache-only Fetching" advanced option
- Chrome / Edge only. I use other browsers too, but they've got the ability to sync to a folder which is essential.

Issues? Concerns?

- Post a github issue on my [mapping library, NavBoxLib](#)
- Reach out on my [discord](#)

Helpful?

- All coded from scratch, for fun, and self-hosted with off-grid solar power. See my [about page](#)

- Support my work!

- [Donate!](#)

all hosting powered by my [Open Solar Project](#) ☀

see my [realtime solar status here](#)

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