

NETHER PORTAL

DISPLAY DEVICE

Quick Start Guide

Viper Dynamics LLC · Aaron Ceraldi · v1.1.0

SCAN FOR THE
FULL USER MANUAL

See also: [Nether_Portal_Manual.pdf](#)
[viperdynamics.llc](#)



1 · POWER ON

Plug any standard 5V USB-C charger or computer into the USB-C port on the back. The boot screen shows the firmware version, then the display starts in its last-saved mode.

2 · FIRST-TIME WI-FI SETUP

On first power-up (or after a Wi-Fi reset), the device creates an open setup hotspot:

Hotspot name: **Nether-portal-Setup**
Password: *none (open network — no lock icon)*

iPhone (iOS)

1. Settings → Wi-Fi → Nether-portal-Setup.
2. If iOS warns “No Internet”, tap Stay Connected.
3. Safari → <http://192.168.4.1>
4. Enter 2.4 GHz Wi-Fi, then SAVE.

Android

1. Settings → Network & Internet → Wi-Fi.
2. Tap Nether-portal-Setup (open) → Connect.
3. “No internet” → Yes / Use this network as-is.
4. Chrome → <http://192.168.4.1> — then SAVE.

After SAVE (new Wi-Fi):

Device reboots onto your home Wi-Fi. Rejoin that network, then open <http://Nether-portal-xxx.local>

3 · DISPLAY MODES (applies immediately in the web UI)

NETHER PORTAL

Vanilla 2×3 portal interior fills the entire screen — default ambient mode.

PHOTO FRAME

Local photos or a public album URL; local set plays the portal 2× after the last image.

NETHER CLOCK

Minecraft 7-segment clock + Glow Squid (or any wiki mob); portal on a timer.

PLAYER STATS

Walking skin + Hypixel status and a clock. Username required.

4 · ESSENTIAL SETTINGS

- Wi-Fi: SCAN or type SSID + password. 2.4 GHz only. Leave password blank to keep the current one.
- Time: uses internet time automatically. Tap AUTO-DETECT FROM IP for timezone, or pick one.
- Display: set brightness; enable auto-dim so it softens at sunset and brightens at sunrise.
- Photos: local drop (JPEG/PNG/WebP → 320×480) or a public Google Photos / iCloud share URL.
- Clock: set how often the portal plays (1 min – 24 hrs). Pick any wiki mob; Glow Squid is on-device.
- Player Stats: Minecraft username; optional free Hypixel API key for online status.

5 · LATER ACCESS & QUICK FIXES

Open the config page anytime

- <http://Nether-portal-xxx.local> (name on the page header)
- Or the device IP from your router
- Same Wi-Fi network required
- No app — any phone or desktop browser

If something goes wrong

- Can't find hotspot: power-cycle the unit
- Phone drops setup Wi-Fi: stay connected / use without internet
- Forgot Wi-Fi on device: RESET WIFI in Danger Zone
- Won't join home Wi-Fi: must be 2.4 GHz

WHAT'S IN THE BOX

Nether Portal Display (3D-printed enclosure + 3.5" 320×480 colour LCD) · Power with any 5V USB-C supply