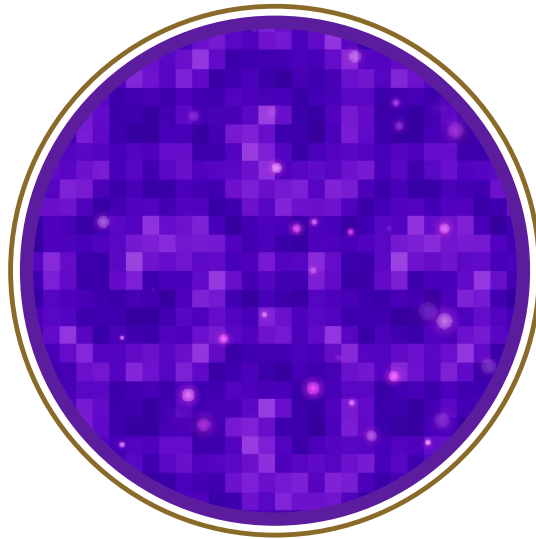




NETHER PORTAL

7 PRO • DISPLAY DEVICE

User Setup & Configuration Manual

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7 Pro • v2.0.0



VIPER DYNAMICS

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1 What's in the Box

- **Nether Portal 7 Pro** — 3D-printed obsidian-block enclosure with a 7-inch 480×800 colour touch display
- About **174 × 44 × 218 mm** (width × depth × height)

IMPORTANT

Power the device with any standard **5V USB-C** charger or computer USB port, via the USB-C connector on the back of the enclosure. Cable and charger are not included.

2 Device Overview

The Nether Portal 7 Pro is a self-contained ambient display that joins your home Wi-Fi and shows one of four visual modes on its 7-inch colour screen. All settings are managed through a built-in web page on a phone or computer — no app required. Once configured, the device remembers Wi-Fi and settings through power cycles. The boot screen reads **Nether Portal / 7 Pro**.

NETHER PORTAL

Looping portal on the 7" screen. Pick cinematic nether, full-bleed vanilla swirl, or End portal void.

PHOTO FRAME

Your photos — local uploads or a public shared album — cycling on a timer you set.

NETHER CLOCK

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

PLAYER CARD

Your Minecraft username and a clock on the 7" display.

Four display modes. Changing Mode or Portal clip in the web UI applies immediately — no reboot. Swipe the screen to change mode; tap to play the portal.

NOTE

The first-time setup hotspot is 2.4 GHz so phones can join it. After that, the 7 Pro joins your home Wi-Fi on 2.4 GHz or 5 GHz.

3 First-Time Setup

When powered on for the first time (or after a Wi-Fi reset), the Nether Portal 7 Pro creates its own temporary Wi-Fi hotspot so you can configure it.

Hotspot name	Nether-portal-Setup
Password	none (open network — no lock icon)
Config page	http://192.168.4.1

3.1 Connecting from iPhone (iOS)

- **Open Settings** → **Wi-Fi**. Wait a few seconds for networks to populate.
- Select **Nether-portal-Setup**. It appears without a lock icon.
- Dismiss the “No Internet” alert. Tap **Stay Connected** or **Use Without Internet**.
- Open Safari and go to <http://192.168.4.1>

TIP

iOS often drops open networks that have no internet. Stay on Nether-portal-Setup until you have tapped **SAVE**.

3.2 Connecting from Android

- **Open Settings** → **Network & Internet** → **Wi-Fi** (some phones: **Connections** → **Wi-Fi**).

- Tap **Nether-portal-Setup** (open network) → Connect.
- When Android says “Connected, no internet,” choose **Yes / Use this network as-is**.
- Open Chrome and go to <http://192.168.4.1>

TIP

After you save a new Wi-Fi network the device reboots onto that network. Rejoin your normal Wi-Fi, then finish setup at <http://Nether-portal-xxxx.local> — the unique hostname is shown in the config page header.

4 Web Configuration Interface

Open a browser to <http://192.168.4.1> (first-time setup) or <http://Nether-portal-xxxx.local> (after Wi-Fi is configured). The page header reads ■ **NETHER PORTAL 7** ■. Cards update the display live. Changing **Display Mode** switches the screen immediately and reveals extra cards for Photo Frame, Nether Clock, or Player Card.

4.1 Mode & Portal Clip

Nether Portal	Looping portal — the default ambient mode.
Photo Frame	Local photos and/or a public shared album.
Nether Clock	Minecraft 7-segment clock, mob animation, portal on a timer.
Player Card	Minecraft username and a clock.

Portal clip (applies whenever the portal plays):

Cinematic	Obsidian frame over a nether cavern, with the vanilla swirl inside.
Full-bleed vanilla swirl	The classic purple 2×3 portal fills the whole screen.
End portal void	Falling green End-portal stars on black.

TIP

Mode and portal clip apply on the display as soon as you pick them — no Save or reboot. Your choice is stored so it comes back after a power cycle.

4.2 Wi-Fi Setup

SSID: tap **SCAN** and pick from the dropdown, or type the network name. **Password:** enter the Wi-Fi password, or leave blank to keep the one already saved.

PRIVACY

Credentials are stored on the device and are never shown on the page.

4.3 Time & Timezone

Once on Wi-Fi the device sets the clock from the internet. **Automatic timezone (from IP)** is on by default — it uses your public IP to pick local time and daylight-saving rules, and a location for sunrise/sunset. Uncheck it only if you need to pick a timezone yourself.

4.4 Display & Auto-Dim

Brightness (10–100%) updates the backlight live. When auto-dim is checked, the device switches to daytime brightness at sunrise and night brightness at sunset. Sunrise and sunset brightness each have their own slider.

NOTE

Auto-dim needs a timezone and location. Leave automatic timezone on, or set them yourself.

4.5 Sound

Check **Play nether portal sound effects** to hear the portal when the clip appears (a tap, or the clock interval). **Volume** updates live. **TEST SOUND** plays it once so you can set the level.

4.6 Photo Frame

Visible when Mode is Photo Frame. Source is **Local uploads** or a **Gallery URL**. Portrait **480×800** photos look best.

Local: drop JPEG files onto the page. Each photo shows for the slideshow interval (default 30 s). After the last local photo, the portal animation plays, then the cycle repeats.

Gallery URL: a *public* shared-album link (anyone-with-the-link). Google Photos, iCloud Shared Album, a JSON list `{"images": ["https://...jpg"]}`, one URL per line, or a single JPEG. **Test gallery** resolves the album. The album list refreshes on the interval you set (default 30 minutes).

TIP

Private Google Photos links will not resolve — the album must be shared with “anyone with the link.”

4.7 Nether Clock

Minecraft seven-segment time, day and date, a seconds bar, and the selected mob animation. **Portal interval in clock mode** sets how often the portal clip interrupts the clock (1 minute to 24 hours).

4.8 Player Card

Enter a **Minecraft username** (up to 16 characters). The 7 Pro shows that name and a clock on the display.

4.9 Clock Animation

Change Clock Animation applies immediately. **Glow Squid** is stored on the device and is the default. Other mobs download from viperdynamics.llc when you pick them and are not kept after a power cycle — the device fetches them again over Wi-Fi.

NOTE

Glow Squid always works offline. Other mobs need internet the first time after each reboot.

4.10 Save & Danger Zone

SAVE WIFI & RESTART is only needed when you change the Wi-Fi network or password. Mode, portal clip, clock, timezone, brightness, sound, photos, and gallery apply without a reboot.

RESET WIFI CREDENTIALS clears the saved network and returns to the `Nether-portal-Setup` hotspot. Other settings are kept.

An optional **custom boot line** (up to 32 characters) appears on the boot screen under Viper Dynamics LLC.

5 Touch: Tap & Swipe

The 7-inch screen is capacitive. After the unit is on your home Wi-Fi:

- **Swipe left** — next mode (Portal → Photo → Clock → Player Card → Portal).
- **Swipe right** — previous mode.
- **Tap** — play the selected portal clip twice, then return to the mode you were in. Portal sound plays if sound is enabled.

NOTE

Touch is ignored while the setup hotspot is showing, so you can finish Wi-Fi first.

6 Display Modes

Nether Portal Mode

The selected portal clip loops on the 7-inch screen. Default ambient mode — pick a clip in the web UI if you want cinematic nether, full-bleed swirl, or End portal void.

Photo Frame Mode

- Each photo shows for the slideshow interval (default 30 seconds).
- Local source: after the last photo, the portal plays, then the cycle repeats.
- Gallery source: photos stream from the public album and cycle while online.

Nether Clock Mode

12-hour seven-segment time with a blinking colon, day and date, a seconds bar, and the selected mob. The portal clip plays on the interval you set. A tap also plays it.

Player Card Mode

Your Minecraft username and a clock. A tap plays the portal clip twice.

7 Returning to Configuration

Once on your home Wi-Fi, open:

```
http://Nether-portal-xxxx.local
```

The suffix **xxxx** is unique to your unit and is printed in the page header. Phone or computer must be on the same Wi-Fi. You can also use the IP from your router.

TIP

If .local fails on Windows, install Bonjour Print Services for Windows, or use the raw IP.

8 Troubleshooting

Problem	Solution
Screen is black / no display	Check the USB-C cable and 5V charger. Try another port or brick.
Nether-portal-Setup hotspot doesn't appear	Wait up to 45 seconds after power-on. Cycle power. The hotspot starts when no Wi-Fi is saved, or after RESET WIFI.
Config page won't load at 192.168.4.1	Stay on Nether-portal-Setup (dismiss "no internet"). Refresh. The setup hotspot is 2.4 GHz.
Won't join home Wi-Fi	Check the password. Move closer to the router. The 7 Pro joins 2.4 GHz or 5 GHz home networks.
Clock shows the wrong time	Needs internet. Wait up to 60 seconds. Leave automatic timezone on, or pick one yourself.
Nether-portal-xxxx.local not found	Same Wi-Fi as the device. Try the router's IP listing. Windows may need Bonjour.
Auto-dim not working	Needs timezone and location. Leave automatic timezone checked.
Photo upload fails	Use JPEG. Portrait 480×800 looks best. Delete old photos if storage is full.
Gallery URL finds no photos	Album must be public (anyone with the link). Use Test gallery on the config page.
Clock animation stays on Glow Squid	Other mobs need internet after each reboot. Wait for the picker to finish loading.
No portal sound	Enable Play nether portal sound effects, raise Volume, then TEST SOUND. Sound plays on tap and on the clock interval.
Tap / swipe does nothing	Touch is off during setup hotspot. After the unit is on home Wi-Fi, swipe to change mode and tap to play the portal.
Need to change Wi-Fi	Update SSID/password and SAVE WIFI & RESTART, or RESET WIFI CREDENTIALS for the setup hotspot.

■ NETHER PORTAL 7 PRO ■

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