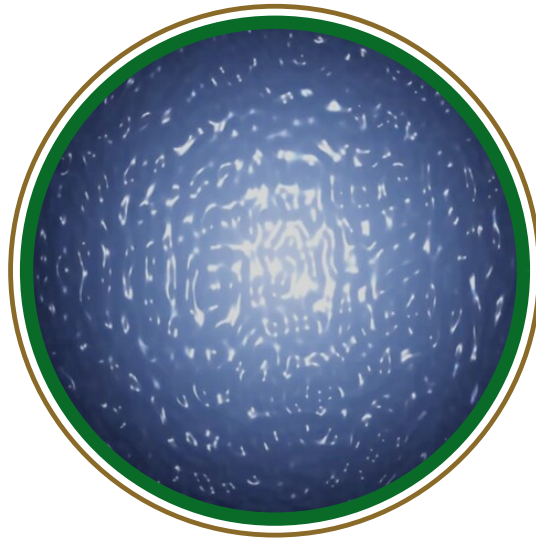




STARGATE P3M

WALL CLOCK

User Setup & Configuration Manual

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CONTENTS

1	What's in the Box	2
2	Device Overview	2
3	First-Time Setup	3
	3.1 Connecting from iPhone	3
	3.2 Connecting from Android	3
4	Gate Dialing Console	4
	4.1 Wi-Fi Setup	4
	4.2 Time, Timezone & Backlight	4
	4.3 Mode Selection	4
	4.4 Gate Re-establish Interval	5
	4.5 Alarm Clock	5
	4.6 Photo Frame Slideshow	5
	4.7 Save & Self-Destruct	5
5	Touch Gestures	6
6	Display Modes	6
7	On-Device Settings	7
8	Firmware Update	7
9	Returning to Configuration	8
10	Troubleshooting	8

1 What's in the Box

- **Stargate P3M Clock** — 3D-printed enclosure with a 2.8-inch round 480×480 colour touch LCD

IMPORTANT

Power the device with any standard **5V USB-C** charger, computer port, or power bank, via the USB-C connector on the enclosure. The clock has no battery of its own.

2 Device Overview

The Stargate P3M is a wall clock that joins your home **2.4 GHz** Wi-Fi and shows one of three visual modes on its round touch display. Settings are managed through a built-in web page — no app required — or from on-device screens. Once configured, the clock remembers Wi-Fi and settings through power cycles.

This hardware has **no speaker**. The alarm is visual only. Opening the iris, changing mode, and loading photos can be done from the Gate Dialing Console or, for most settings, by holding the top of the dial.

CLOCK

Analog hands on the Stargate face. Every N minutes the iris opens, the event horizon plays, then the clock returns.

CONTINUOUS STARGATE

Always-on wormhole puddle. On the same interval the gate collapses, holds black, then kawooshes open again.

PHOTO FRAME

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

TOUCH

Tap the centre to open or close the iris. Hold the top of the dial for 5 seconds to open on-device settings.

Three display modes plus touch. Changing Mode in the web UI applies immediately — no reboot.

NOTE

This radio is **2.4 GHz only**. A 5 GHz-only network name will not join. Use a 2.4 GHz SSID, or the 2.4 GHz side of a dual-band router.

3 First-Time Setup

When powered on for the first time (or after a self-destruct / Wi-Fi wipe), the clock creates its own temporary Wi-Fi hotspot so you can configure it. The screen shows the setup overlay, the portal address, and the hotspot name.

Hotspot name	Stargate-Clock-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 **Stargate-Clock-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 Stargate-Clock-Setup until you have tapped **Initiate dialing sequence**.

3.2 Connecting from Android

- **Open Settings → Network & Internet → Wi-Fi** (some phones: Connections → Wi-Fi).
- Tap **Stargate-Clock-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://P3M-XXX.local> — the unique hostname is shown on the boot splash and in the console header.

4 Gate Dialing Console

Open a browser to <http://192.168.4.1> (first-time setup) or <http://P3M-XXX.local> (after Wi-Fi is configured). The page is titled **Gate Dialing Console** — green-on-black, matching the SGC look. Changing **Mode**, testing a gallery, and uploading photos apply without a full save.

4.1 Wi-Fi Setup

Tap **SCAN SUBSPACE** to list nearby 2.4 GHz networks, then pick one from the dropdown. For a hidden network, check **Hidden Subspace Frequency** and type the SSID. Enter the password, or leave the password blank to keep the one already saved.

PRIVACY

Credentials are stored in on-device flash and are never shown on the page.

4.2 Time, Timezone & Backlight

Once on Wi-Fi the device syncs time via NTP. **Automatic timezone** is on by default: after joining your network the clock estimates timezone from your public IP and shows the detected location on the console.

Uncheck Automatic timezone to pick a city from the list, or enter a custom timezone. Backlight can follow day and night automatically, or you can set a manual level.

NOTE

The analog clock needs a successful time sync. If the hands look wrong, wait up to a minute on first join, then confirm timezone on the console.

4.3 Mode Selection

Clock	Analog Stargate face with hour, minute, and red second hand. Default mode.
Continuous Stargate	Always-on event-horizon puddle. No clock hands.
Photo Frame	Local JPEG slideshow or a public gallery URL, cover-scaled to 480×480.

TIP

The mode dropdown applies on the display as soon as you pick it — no reboot. Your choice is stored so it comes back after a power cycle.

4.4 Gate Re-establish Interval

How often the scheduled gate animation runs, in minutes (1–60). In Clock and Photo Frame: iris opens, the event horizon plays, then the iris closes. In Continuous Stargate: the puddle collapses, holds black for five seconds, then reopens.

4.5 Alarm Clock

Enable the alarm and set a 24-hour time. There is **no speaker** on this hardware — the alarm is visual only. At the set time the iris closes (interrupting a puddle if one is showing) and stays sealed for **60 seconds**, or until you tap the centre of the dial. Clock and Photo Frame then resume; Continuous Stargate reopens the iris. The alarm fires in Clock mode when the clock has a valid time.

4.6 Photo Frame Slideshow

Photos appear on the LCD only when Mode is **Photo Frame**. Source is **Local images** or a **Gallery URL**. Slideshow interval is in seconds (default 30).

Local: pick a JPEG. The browser cover-crops it to 480×480 before upload. Refresh list or delete individual files. An empty slideshow shows the closed iris.

Gallery URL: a *public* shared-album link (anyone-with-the-link). **Test gallery** resolves the album immediately; **Clear URL** empties the field. Private albums will not load. Videos in an album are skipped. Square photos fill the round display best.

TIP

Set Mode to Photo Frame so the gate shows the album. Local files stay on the clock if you switch to Gallery URL and back.

4.7 Save & Self-Destruct

Initiate dialing sequence writes the form. The device restarts *only* if you changed the Wi-Fi network or password. Mode, photos, gallery test, timezone, interval, alarm, and backlight apply without a reboot — tap Initiate dialing sequence so they survive a power cycle.

Initiate self destruct asks for confirmation, then erases saved settings (Wi-Fi, timezone, mode, interval, alarm, gallery URL) and restarts on the [Stargate-Clock-Setup](#) hotspot. Uploaded local photos stay until you delete them.

5 Touch Gestures

Centre tap (Clock or Photo Frame): tap the middle of the dial to open the iris. The wormhole loops until you tap again, or for 5 minutes, then the clock or photo returns.

In Continuous Stargate a centre tap **closes** the iris. Tap the closed iris to reopen it.

Long-press: hold the **top** of the dial for 5 seconds to open on-device settings. On the first-boot setup screen a green circle marks the spot. See section 7.

NOTE

Centre-tap is not active on the setup hotspot screen. Long-press settings still work there.

6 Display Modes

Clock Mode

The Stargate face with analog hands (white hour and minute, glowing red second). On the re-establish interval the iris opens, the event-horizon puddle plays, the iris closes, and the live clock returns. Recommended everyday mode.

Continuous Stargate Mode

A looping event-horizon puddle fills the round LCD — no clock hands. On the interval the wormhole collapses, holds black for five seconds, then reopens. Tap the centre to seal the iris.

Photo Frame Mode

- Each photo shows for the slideshow interval (default 30 seconds).
- Local source: JPEG stills stored on the device. After the last photo the cycle repeats.
- Gallery source: photos stream from the public album while the clock is online.
- The scheduled gate cycle still runs; afterwards the current photo returns.

7 On-Device Settings

Hold the top of the dial for 5 seconds. Tap the on-screen arrows to move between pages. Tap **SAVE** on the last page to write settings and reboot, or **CANCEL** on the first page to discard.

Wi-Fi	SSID and password. Scan for a nearby 2.4 GHz network, or type a hidden name.
Timezone	Automatic (from public IP) or pick a city.
NTP	Optional custom time server.
Gate Settings	Re-establish interval and Clock vs Continuous. Photo Frame is web-only.
Alarm	Enable, hour, and minute. Visual only — no speaker.

NOTE

Photo Frame, gallery URL, backlight, and firmware updates stay in the web console.

8 Firmware Update

Open **Firmware Update** at the bottom of the Gate Dialing Console.

- Tap **Check for updates**. The clock looks up whether a newer version has been published.
- If an update is available, tap **Install** and confirm. Do not close the browser or power off until the clock reboots.
- When the install finishes the clock restarts on its own. The browser returns to the console after about 15 seconds.

If you were sent an update file instead, choose that file on the same page and tap Upload & Install. Only use files provided for this clock.

IMPORTANT

A published update replaces the clock software and the built-in animations. Saved Wi-Fi, settings, and uploaded photos are cleared, so you will need to join Wi-Fi again afterwards.

9 Returning to Configuration

Once on your home Wi-Fi, open:

<http://P3M-XXX.local>

The suffix is unique to your unit and is printed on the boot splash (hostname plus LAN IP) for a few seconds after power-on. Phone or computer must be on the same Wi-Fi.

TIP

If .local fails on Windows, install Bonjour Print Services for Windows, or use the raw IP. Need help? Scan the quick-start QR or visit <https://www.viperdynamics.llc/support>.

10 Troubleshooting

Problem	Solution
Screen is black / no display	Check the USB-C cable and 5V charger. Try another port or brick. Wait up to 10 seconds after power-on.
Stargate-Clock-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 Initiate self destruct.
Config page won't load at 192.168.4.1	Stay on Stargate-Clock-Setup (dismiss "no internet"). Refresh. Only 2.4 GHz radios can join the setup AP.
Won't join home Wi-Fi	2.4 GHz only. Dual-band routers often present a strong 5 GHz signal with the same name — move closer or use a dedicated 2.4 GHz SSID.
Clock shows the wrong time	Needs internet. Wait up to 60 seconds. Check Automatic timezone, or pick a city on the console.
P3M-XXX.local not found	Same Wi-Fi as the device. Use the IP from the boot splash. Windows may need Bonjour.
Centre tap does nothing	Works in Clock and Photo Frame on your home network. On the setup screen, hold the top of the dial instead.
Long-press does not open settings	Hold near the top of the dial for a full 5 seconds. On setup, use the green circle.
Photo upload fails	JPEG only; the browser resizes to 480×480. Delete unused stills and try again.

Problem	Solution
Gallery URL finds no photos	Album must be public (anyone with the link). Use Test gallery. Set Mode to Photo Frame.
Alarm made no sound	There is no speaker. The alarm closes the iris for 60 seconds (or until you tap the centre).
Firmware update fails	Stay on Wi-Fi and try Check for updates again. If you were sent a file, only use one provided for this clock.
Clock returned to setup after an update	A full update clears saved Wi-Fi. Rejoin from the setup hotspot or on-device settings.
Need to start over	Initiate self destruct on the console, or hold the top of the dial and change Wi-Fi on the device.

■ STARGATE P3M ■

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