



MagicWaits

User Guide

- Quick Start Guide
- Full Instructions
- FAQ & Troubleshooting

TFT Touchscreen

E-Ink Display

www.magicwaits.com

★ Your Dashboard

Manage your display, settings and subscription from any browser

www.MagicWaits.com

USERNAME

PASSWORD

PROMO CODE

Your username and password are on the label on the back of your device.
Keep this booklet somewhere safe — you may need these details again.

Quick Start Guide

1 Plug in the device

Connect via **USB-C** to any charger or power bank. The display shows startup / WiFi setup instructions.

E-Ink: screen will slowly flash — normal.

2 Connect to MagicWaits Setup

On your phone or laptop, join WiFi network **MagicWaits Setup**. A page opens automatically; if not, go to **192.168.4.1**.

3 Enter your WiFi details

Tap **Configure WiFi**, choose your network, enter your password, tap **Save**.

2.4 GHz only — 5 GHz is not supported.

4 Wait for startup

Device reboots, connects to WiFi, syncs the clock and fetches data. Takes **15–30 seconds**.

5 Log in at magicwaits.com

Visit **www.magicwaits.com**. Your username and password are on the label on the back of the device and on page 2 of this booklet.

6 Activate your subscription

Go to **Account** → **Subscription**, tap *Subscribe Now*, and enter your **promo code** for complimentary time.

7 Set trip date and park

Set your **Trip Date**, choose your **Park**, and set your **Timezone**. Countdown and wait times update on the next fetch.

8 Pick your rides

Under **Ride Selection**, choose the attractions to monitor. Slots available depend on your subscription tier.

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Sections that differ between devices are marked with TFT and E-Ink labels.

Overview

MagicWaits displays connect to your home WiFi and automatically pull live data from your account at magicwaits.com, showing it as a beautiful always-on dashboard. All settings are managed from any browser — your display picks up changes on its next data fetch.

TFT Colour Touchscreen

4.0" colour TFT display. Tap anywhere to interact. 11 screen views — countdown, clock, sun arc, wait times and more.

E-Ink E-Paper Display

Large 7.5" e-paper in black and white. Ultra-low power — ideal for wall mounting with a small power bank. 10 screen views including clock. Screen takes up to 30 s to refresh.

FEATURE	TFT	E-INK
Live attraction wait times	Colour-coded	Black & white
Countdown to trip	Yes	Yes
Live weather	Yes	Yes
Lightning Lane pricing	Yes	Yes
Custom quotes / Yeti tracker	Yes	Yes
Clock & date	Yes	Yes
Sun arc view	Yes	No
Wall-mountable / power bank	Possible	Ideal

First-Time Setup

The setup process is the same for both devices.

- 1 **Plug in the device** — connect via USB-C to any charger or power bank. The display shows WiFi setup instructions.
- 2 **Connect to "MagicWaits Setup"** — join this WiFi network on your phone or laptop. A setup page opens automatically; if not, go to `192.168.4.1`.
- 3 **Enter WiFi credentials** — tap Configure WiFi, choose your 2.4 GHz network, enter your password, tap Save.
- 4 **Wait for startup** — the device reboots, connects, syncs the time, and fetches data (15–30 s). E-Ink: slow screen flashing is normal.
- 5 **Log in at magicwaits.com** — your username and password are on the label on the back of the device, and on page 2 of this booklet.
- 6 **Activate subscription** — go to Account → Subscription, tap Subscribe Now, and enter your promo code for complimentary time.
- 7 **Configure your display** — set your trip date, park, timezone, panel layouts, and ride selections in the dashboard at magicwaits.com.

Already set up?

The device saves your WiFi credentials and reconnects automatically every time it powers on.

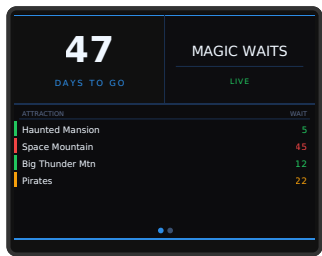
Screen Views

TFT 11 views — tap anywhere to cycle. Dots at the bottom show the active view.

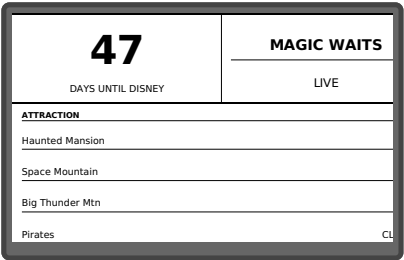
E-Ink 10 views — short press the button to cycle. Each view takes up to 30 s to refresh.

Main Dashboard (both devices)

The default view: two configurable top panels and a live wait time list below.



TFT — colour display



E-Ink — 7.5" e-paper (B/W)

Screen Views (continued)

Views on both devices

VIEW	DESCRIPTION
Main Dashboard	Two configurable panels + live wait time list (default view)
Big Countdown	Full-screen countdown shown as weeks + remaining days
Left Panel Full	Expands the left panel to fill the whole screen
Right Panel Full	Expands the right panel to fill the whole screen

TFT-only views TFT

VIEW	DESCRIPTION
Clock Only	Full-screen clock with date
Clock + Wait Times	Clock at top, wait time list below
Countdown + Clock Split	Countdown and clock shown side by side
Sun Arc	Visual arc showing the sun's position through the day
Zen Scroll	Slowly scrolling ride list in large, calm typography
Art Deco	Stylised art deco countdown panel
Info / Control Panel	Username, IP, sub status, firmware version, WiFi reset button

E-Ink also has 10 views including a Big Clock view (view 6) and clock panels (modes 2 and 10). See the full manual at magicwaits.com for all E-Ink view details.

E-Ink screen refresh
After pressing the button, the screen flashes through several grey stages before showing the final image. This takes up to 30 seconds and is completely normal.

Controls & Display Codes

Controls

TFT Touch Controls

GESTURE	ACTION
Quick tap (<0.7 s)	Next screen view
Hold 0.7 s	Force data refresh

E-Ink Button Controls

PRESS	ACTION
Short press (<3 s)	Next screen view
Hold 3 s	Force data refresh

Display Codes

TFT Wait times are colour-coded. E-Ink shows numbers in black; “CLOSED” appears in red.

Green

— Under 15 minutes. Go now!

Amber

— 15–29 minutes. Moderate queue.

Red

— 30 minutes or more. Long queue.

Cyan

— Virtual queue / boarding group active.

Grey / “CLOSED”

— Attraction closed or no data.

TFT

Panel Modes (1–9)

Each top panel can be set to any of these modes in the dashboard at magicwaits.com. **E-Ink** mode 2 = Clock;

TFT mode 2 = Hello/Status.

1

Days Until

Countdown in large figures. Shows "TODAY!" when days reach zero.

2

Clock **E-Ink** / Hello **TFT**

E-Ink: live clock with partial refresh.
TFT: "MAGIC WAITS" + subscription status.

3

Yoda Quote

Set your own quote attributed to Yoda. Use **::** for line breaks.

4

Yeti Tracker

Auto message: how long the Yeti on Expedition Everest has been out of action.

5

Custom Quote

Your own message in white text. Use **::** for line breaks.

6

Premier Pass

Individual Lightning Lane prices per park. **TFT** colour-codes by availability.

7

Single Ride

One attraction's wait time displayed in giant figures.

8

Multipass

Lightning Lane Multipass prices per park.

9

Weather

Live weather for any location — temperature, conditions, feels-like and humidity.

Ride Selection

The bottom section of the Main Dashboard shows live attraction wait times for the rides you have selected. Choose your rides from the control panel at magicwaits.com.

How it works

STATUS	DISPLAY
Open ride	Wait time shown as a number (e.g. 45)
Closed ride	“CLOSED” in red E-Ink or grey TFT
Boarding group	Group status text shown instead of a number
No data	Dashes (—) displayed

Subscription required

Without an active subscription the ride list shows “Subscription Expired — Visit MagicWaits.com”. Live wait times, Lightning Lane pricing and boarding group status all require an active subscription.

Selecting your rides

- 1 Log in at magicwaits.com and go to the control panel.
- 2 Choose your **Park** from the park selection menu.
- 3 Select the attractions you want to monitor under **Ride Selection**. The number of available slots depends on your subscription tier.
- 4 Save your changes. Your display picks them up on the next data fetch.

How often does data update?

Your device fetches data at your configured interval (default 5 minutes). The MagicWaits server updates from park sources approximately every 5 minutes, so data may be up to 10 minutes old at most.

WiFi Reset, Refresh & Subscription

WiFi Reset

TFT — via Settings screen

Cycle to the **Settings** screen using the touchscreen, then press and hold the button for **6 seconds**. WiFi credentials are cleared and the device reboots.

E-Ink — hold the button

Press and hold the button for **15 seconds**. A confirmation message appears on screen, then WiFi credentials are cleared and the device reboots.

Auto-Refresh

The device fetches new data at a configurable interval (default: every 5 minutes). Shorter intervals suit park visits; longer intervals suit countdown-only use.

E-Ink note

Each auto-refresh triggers a full 10–30 s screen redraw. Very short intervals will result in the display almost continuously refreshing.

Both devices reboot nightly at 3:00 AM to stay healthy. The last active view is restored after reboot.

Subscription

Free: countdown, weather, quotes, Yeti tracker.

Subscription required: live wait times, Lightning Lane pricing, boarding groups, single-ride panel.

Plans from **\$2/month**. Manage at magicwaits.com → Account → Subscription. Your promo code is in your packaging.

Troubleshooting

TFT

Setup screen appears on every boot

The device can't reach your WiFi. The router may be offline, the password changed, or you're on a different network. Re-run WiFi setup (steps 2–3 of the Quick Start).

No data shown / FETCH ERR

WiFi is connected but the server couldn't be reached. Hold the screen for 0.7 s to force a refresh. If it persists, check your internet connection and power-cycle the device.

Clock shows the wrong time

Check the Timezone setting in the control panel. Common values: -5 (Eastern US), -6 (Central US), -8 (Pacific US), +0 (UK/GMT), +1 (Central Europe), +10 (Eastern Australia). Add or subtract 1 during Daylight Saving.

Screen is very dim or won't light up

The TFT needs at least 500 mA. Try a different USB cable or a more powerful charger.

Touchscreen registers random or phantom touches

The resistive touchscreen can be affected by moisture. Clean gently with a dry soft cloth and allow to dry.

Ride wait times show “Subscription Expired”

Your subscription is inactive. Visit magicwaits.com → Account → Subscription to reactivate. Use the promo code from your packaging if you haven't already.

Troubleshooting

E-Ink

Screen takes a very long time to update

This is completely normal. E-paper displays require a full refresh cycle of up to 30 seconds. The flashing through grey stages is expected and ensures the best final image quality.

Ghost or shadow of a previous image is visible

Ghosting is a normal characteristic of e-paper. It will clear on the next full refresh. If it persists after several refreshes, power-cycle the device.

Screen is completely blank or white after startup

The display may have entered hibernate mode. Press the button once to trigger a screen refresh. If it remains blank after 30 seconds, power-cycle the device.

Screen shows a partial image and won't update

A partial refresh failure can occur if the device lost power mid-refresh. Power-cycle the device — the next full refresh will clear it.

Power bank switches off and device loses connection

Some power banks cut power when detecting a low-draw device. Choose one with a “keep alive” or “always on” mode designed for continuous low-current loads.

Frequently Asked Questions

Can I use the device without a subscription?

Yes — the countdown, weather, and quote panels all work for free. Live wait times, Lightning Lane pricing, boarding group status, and the single-ride panel require an active subscription.

Does the device work outside the USA?

Yes. Supported parks include Disneyland Paris, Alton Towers, and other international parks in addition to all US Disney parks.

Can I power it from a USB power bank?

Yes. TFT needs at least 500 mA — most modern banks provide this. The E-Ink uses ~50 mA average, so a 10,000 mAh bank typically lasts several days. Choose a bank with a keep-alive mode for the E-Ink device.

Can I wall-mount the E-Ink display?

Yes — the E-Ink device and its driver board are small and light. Attach a small power bank to the back for a fully wireless wall-mounted installation. No ongoing attention needed.

Does the E-Ink display show the time?

Yes — the E-Ink display now has a working clock. Set panel mode 2 on either top panel, or switch to the Big Clock view (view 6). The clock uses a fast partial refresh every minute, not a full 30-second redraw.

How do I change which park is shown?

Log in at magicwaits.com, go to the control panel, and change Park Selection. Your device picks up the change on the next data fetch, or force a refresh immediately.

FAQ (continued)

Why does the E-Ink screen flash when updating?

E-paper uses a full-inversion refresh cycle to align the particles in the display medium. The flashing through black, white and grey stages is normal and ensures the best image quality.

How do I force an immediate data refresh?

TFT: hold the screen for 0.7 seconds. E-Ink: hold the button for 3 seconds, then wait up to 30 seconds for the screen to finish refreshing.

Can I have two different parks on the same device?

The ride list shows one park at a time, but you can set the top panels to display weather, prices or countdowns relating to different parks or locations.

What happens if I lose this booklet and my login details?

Your username and password are printed on the label on the back of the device. If you have lost both, contact us via magicwaits.com and we can help you recover access.

Can I update the firmware?

Yes — firmware updates are delivered automatically via the MagicWaits server when available. Your device installs them silently during a normal data fetch.

Setup screen appears on every boot

The device can't reach your WiFi. Re-run the WiFi setup process (steps 2–3 of the Quick Start guide on page 3).



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