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ChLCD Display APP

Getting Started

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Getting started

Using a cholesteric LCD display for the first time? Follow the 6 steps below, and in about 15 minutes your device will be rotating images on its own.

Step	What you'll learn
1. Get to know your device	The device's screen, buttons and status LEDs
2. Connect with your phone	Open the device's management interface
3. Put an image on the device	Upload images and display one on the panel
4. Let the device change images automatically	Once set up, the device changes images by itself
5. Save power and shut down	Sleep, shutdown, battery
6. What to do when something goes wrong	The most common situations and how to handle them

All you need is a phone

You don't need an internet connection or an app. The device has its own Wi-Fi, and you operate it with your phone's camera and browser.

Want more detail?

This section covers only the most common tasks. Every page ends with "Learn more" links to the full explanation in the full feature guide.

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1. Get to know your device

Before you start, get to know the parts of the device you'll be using.

The screen

- The device uses a cholesteric LCD. **Once an image is displayed, it stays on the screen even without power.**
- Changing an image takes a little time (about 6–20 seconds depending on the model). It's normal to see the screen change gradually while it refreshes.
- It's made for static images such as notices and posters. It can't play videos or animations.

Physical buttons

The device has two buttons: **Previous** and **Next**.

How you press	What happens
Press once	Go to the previous / next image
Press once while the device is asleep	Wake the device up
Hold for about 1.5 seconds	Show the QR code screen for connecting (let go as soon as you see it)

Don't keep holding a button

Holding a button for 40 seconds erases all images and settings on the device (factory reset). After the QR code appears, **let go right away**. If you see the LED start flashing quickly, let go immediately as well.

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Status LEDs

On models with status LEDs, the LEDs tell you what the device is doing. The table below is for models with two single-color LEDs; the 13.3-inch white model shows its state by color instead, see Status LEDs.

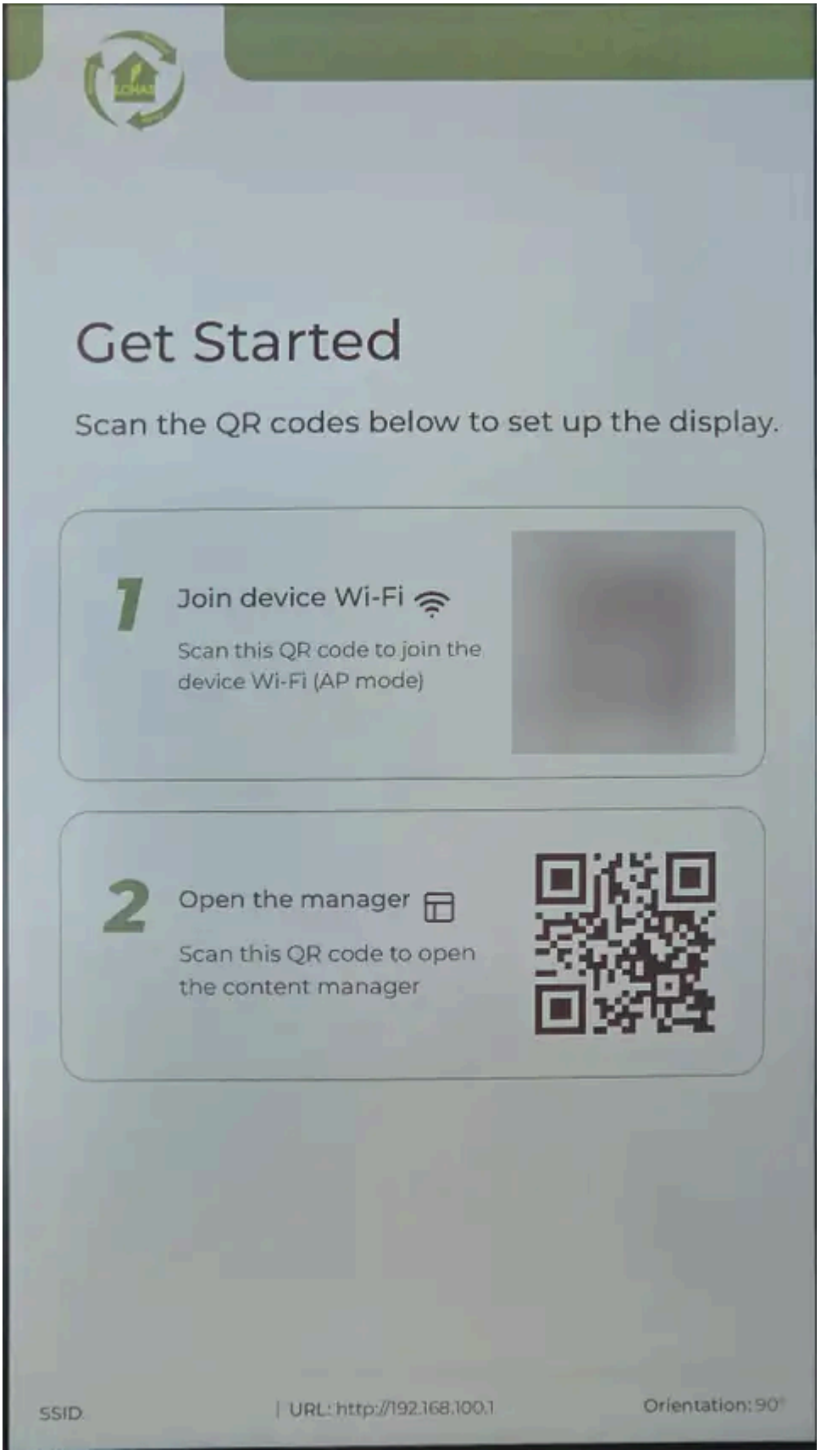
LED	Meaning
Steady on	Idle, working normally
Slow blinking	Changing the image, or starting up
2–3 quick flashes	The last action didn't succeed; wait a moment and try again
Off	Asleep; press a button once to wake it up

Sign-post frame models have no status LED; check the management interface instead.

Startup screen

After the device starts, two QR codes appear on the screen. You'll use them in the next step to connect.

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Next: 2. Connect with your phone

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Learn more: Cholesteric LCD characteristics, Physical buttons and gestures, Status LEDs

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2. Connect with your phone

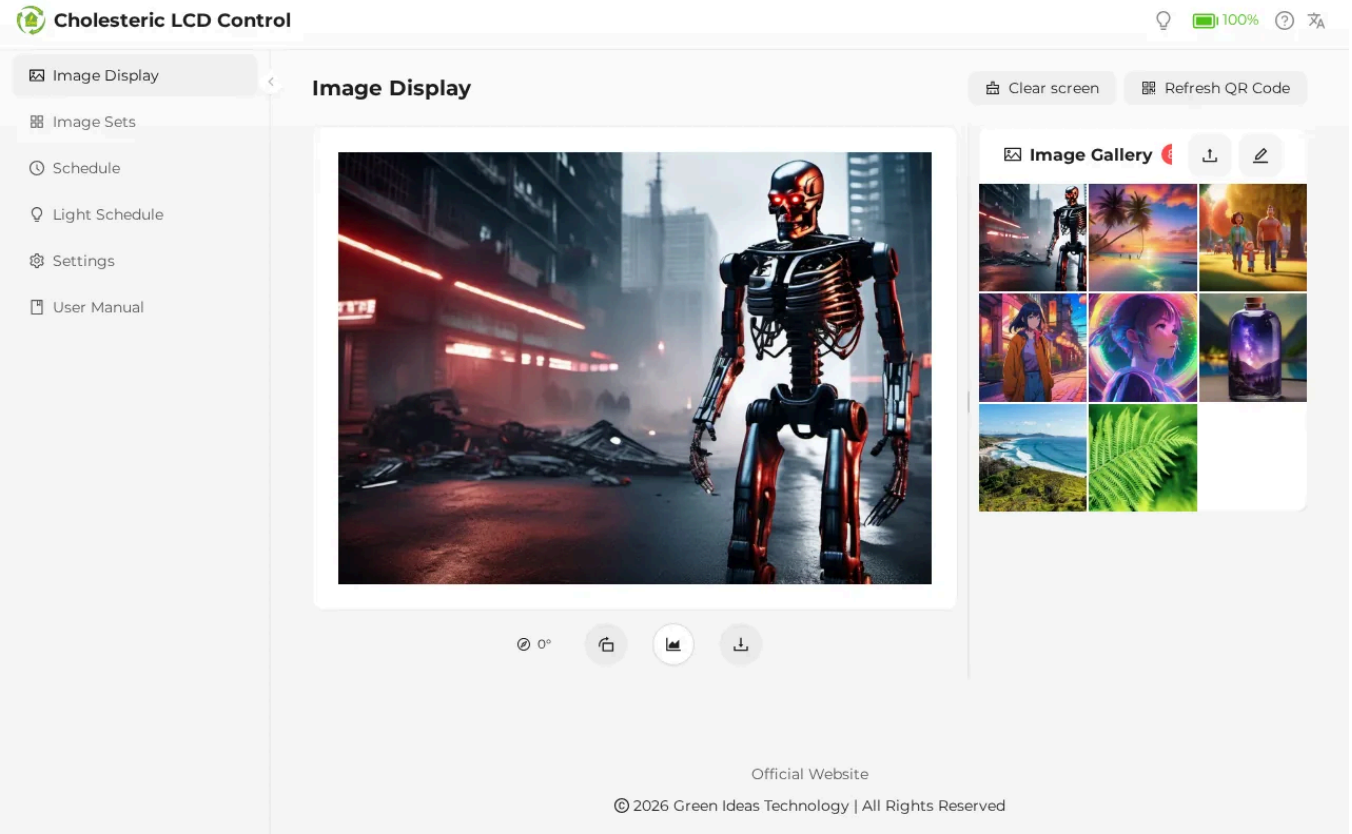
Scan two QR codes with your phone to open the device's management interface.

What you need

- A phone that supports **5 GHz Wi-Fi** (most phones from recent years do).
- The device is on and shows QR codes on the screen.

Steps

1. Open your phone's camera and scan the **step 1 QR code** on the device's screen to join the device's Wi-Fi.
2. When your phone shows it's connected, scan the **step 2 QR code** to open the management interface.
   - You can also type `http://192.168.100.1` into your phone's browser.
3. If your phone says "No internet", choose **Use without internet / Stay connected**.
4. When you see the "Image Display" page, you're connected.



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www.3rgit.com

No QR code on the device?

Hold either physical button for about 1.5 seconds and **let go as soon as** the QR code appears. If the device is asleep (status LED off), press a button once to wake it up, wait a few seconds, then scan.

Your phone keeps switching to another Wi-Fi?

The device's Wi-Fi has no internet, so some phones switch back to another network automatically. Go back to your phone's Wi-Fi settings, select the device's Wi-Fi again and choose **Stay connected**.

Want to use your company network?

For the first setup, connect to the device with your phone. Later, to have the device join the on-site Wi-Fi, see On-site Wi-Fi; for the differences between the network modes, see The three network modes.

The device has no built-in network port. If you need a wired network connection on site, a USB-to-network (RJ45) adapter has to be added; please contact the manufacturer or your dealer.

After you switch networks, the way your phone gets back to the management interface changes. Read How each switch affects your phone first.

Next: 3. Put an image on the device

Learn more: Connecting to the device, Startup screen and screen language, Troubleshooting: connection and management interface

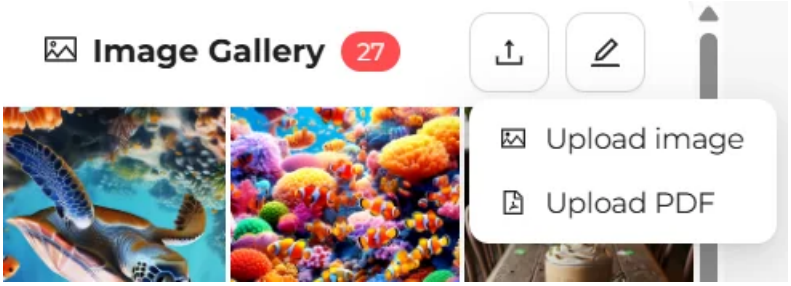
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3. Put an image on the device

First upload images to the device, then pick one to display.

Upload images

1. In the menu on the left, tap **Image Display** (this is the page you see when you open the management interface).
2. Tap the **Upload** icon (up arrow) at the top right of the image gallery → **Upload image**.
3. Choose photos on your phone. **You can select many at once.**
4. Wait until "All images uploaded successfully" appears.



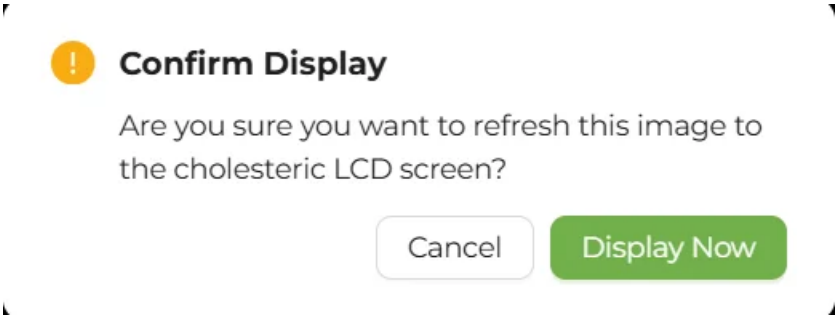
What images work best?

- **JPG** or **PNG** is recommended.
- Images made at the device's size look best, for example 1920 × 1080 (for each model's size, see Recommended image sizes).
- High contrast, large text and bold lines are clearest on the device.

Display it on the device

1. Tap the image you want in the image gallery. The preview box shows how it will look on the device.
2. **Tap the image in the preview box**. The "Confirm Display" window appears.
3. Tap **Display Now**.
4. Wait for the device to finish changing the image (about 6–20 seconds depending on the model), and you're done.

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Seeing "Send failed, device may be busy"?

The device can change only one image at a time. Wait for the current image to finish, then try again.

Next: 4. Let the device change images automatically

Learn more: Image gallery and displaying images, How images are processed, PDF collage

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4. Let the device change images automatically

Once you set up an "image set" and a "schedule", the device changes images by itself at regular times, so you don't have to do it by hand.

Step 1: Check the device's time

Schedules run on the device's clock, so make sure its time is correct first.

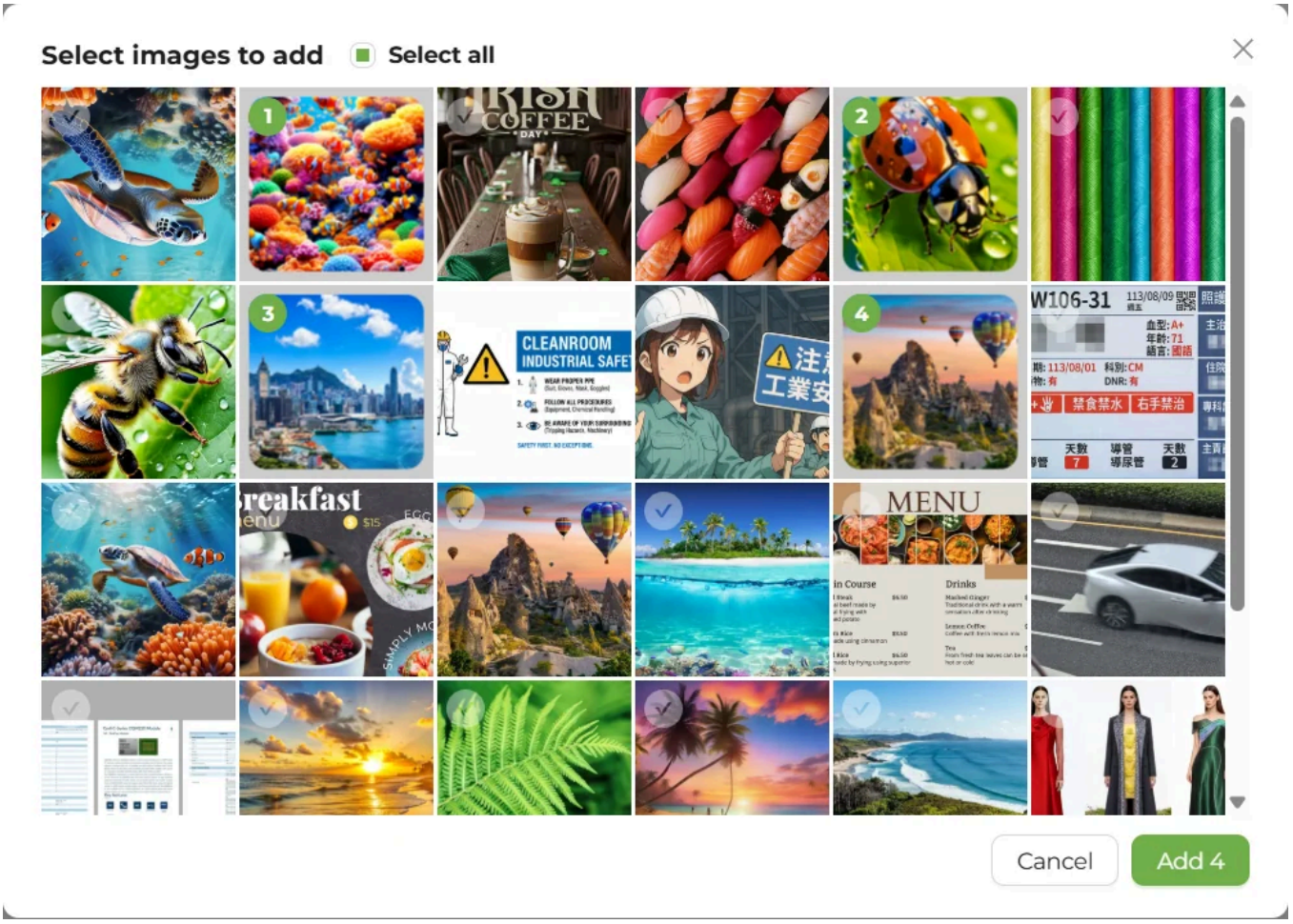
1. In the menu on the left, tap **Settings** → **Time Settings**.
2. Tap **Sync Local Time** to set the device's time from your phone. If the button is grayed out, turn off NTP automatic sync first.
3. When you're done, **leave this page** (while this page stays open, the device can't go to sleep).

Step 2: Create an image set

An image set is "which images to rotate, and in what order".

1. In the menu on the left, tap **Image Sets** → **Create Set**.
2. Enter a name (for example "Lobby") → **Save**.
3. The image picker opens automatically. Tap the images **in the order you want them played** → **Add N**.
4. After checking the order, tap **Done, back to list**.

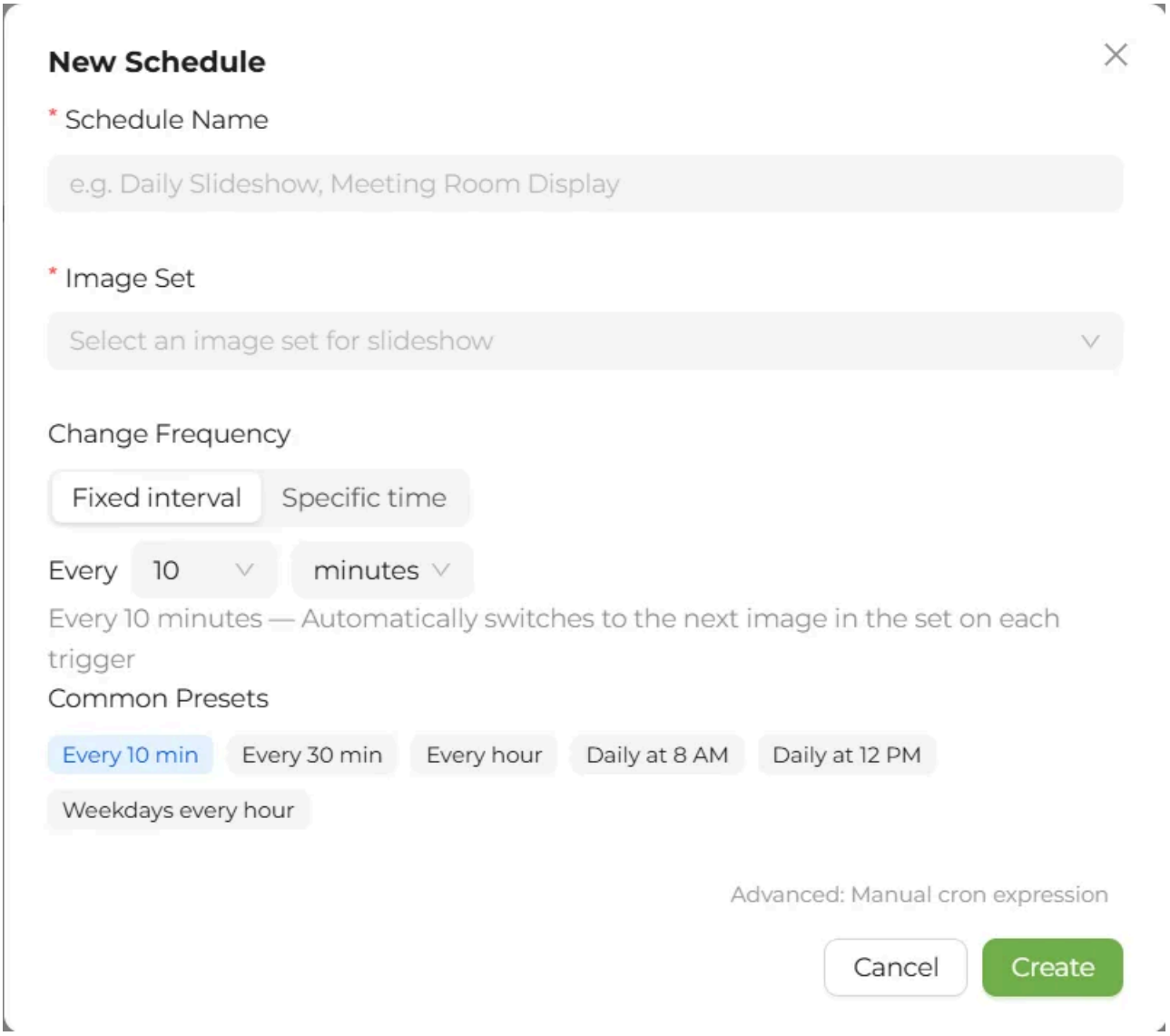
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Step 3: Create a schedule

1. In the menu on the left, tap **Schedule** → **New Schedule**.
2. Enter a schedule name, then select the image set you just created.
3. For the change frequency, just keep the default "Fixed interval: Every 10 min" for now.
4. Tap **Create**.

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The schedule starts changing images at the next time point (for example 9:10, 9:20...). The countdown on the card tells you how long until then.

Tips

- Put **at least two images** in the image set. With only one, it just refreshes the same image every time.
- To see a result right away, you can first display an image by hand as in the previous step.
- There's no need to change images very often; every 10 minutes or longer is generally recommended.

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Next: 5. Save power and shut down

Learn more: Image sets, Schedules, Change frequency settings in detail, Time, time zone and time sync

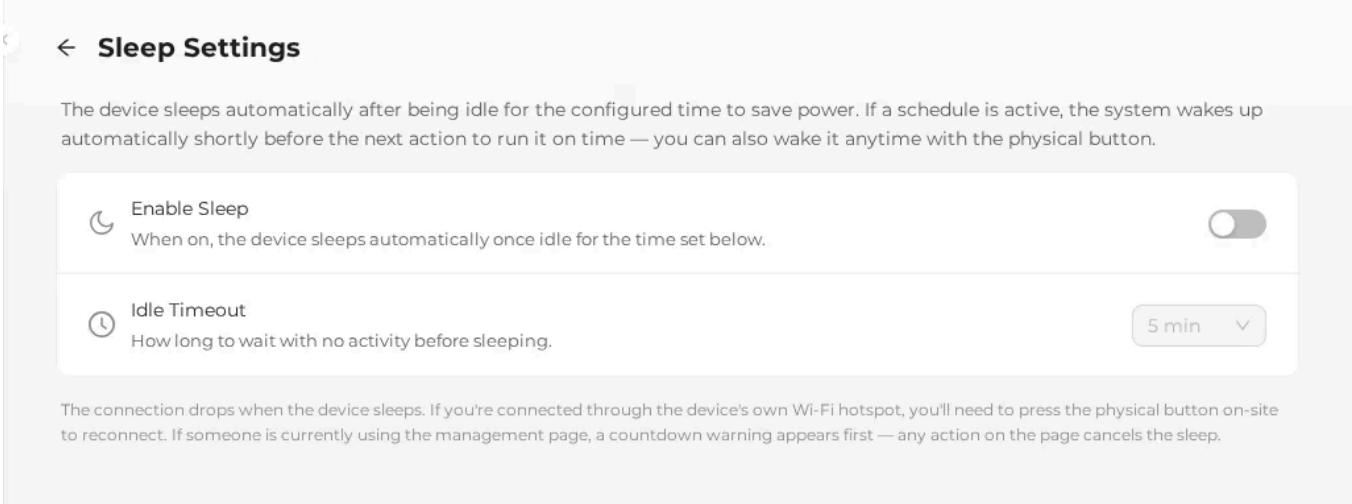
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5. Save power and shut down

Use "sleep" to save power day to day. "Shut down" only when you won't use the device for a long time or need to move it.

Sleep: use this to save power day to day

1. In the menu on the left, tap **Settings** → **Sleep Settings**.
2. Turn on **Enable Sleep** and choose 5 minutes for the idle time (default).



While asleep, the device behaves like this:

Item	While asleep
Screen	**Keeps showing the image**; it looks the same as when awake
Scheduled image changes	**Wakes up by itself** to change the image on time
Wi-Fi	Off; phones can't connect
Status LED	Off

To manage the device from your phone, **first press a physical button once to wake it up**, wait a few seconds, then connect.

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Why won't it go to sleep?

While someone has the management interface open, the device has to be idle longer before it sleeps. When you're done, close the browser tab.

Shut down: when not in use for a long time or when moving it

1. In the menu on the left, tap **Settings** → **Power Control**.
2. In the "Shutdown Device" row, tap **Shut Down** and confirm.
3. The device clears the screen to white first, then shuts down.

After shutdown, someone must be on site to turn it on

After shutdown, your phone can't turn the device back on, and schedules don't run. To save power day to day, just use sleep.

Models with a battery

- The battery level is shown at the top right of the management interface. When it **turns red at 20% or below**, charge it as soon as possible.
- If a light is installed and it's on when the device goes to sleep, the light stays on.

Next: 6. What to do when something goes wrong

Learn more: Sleep and wake up, Power control and storage, Battery

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6. What to do when something goes wrong

When something goes wrong, try the following first.

Situation	Try this first
Your phone can't find the device's Wi-Fi	The device may be asleep: press a button once to wake it up and look again after 1 minute. Make sure your phone supports 5 GHz Wi-Fi
The management interface shows "Lost connection to the device"	Go back to your phone's Wi-Fi settings, select the device's Wi-Fi again, then tap "Reconnect"
The device doesn't change after displaying an image	Wait a moment (about 6–20 seconds depending on the model). If you see "device may be busy", wait for the current image to finish and try again
The schedule doesn't change images automatically	Check that the schedule's switch is on, the image set has images, and the device's time is correct
The image has black bars or is cut off	Remake the image at the device's size; see Recommended image sizes
The status LED keeps flashing quickly	A button may be stuck down: **let go right away** and check the buttons

Still not working?

1. **Restart**: Settings → Power Control → **Reboot**.
2. If the problem continues after restarting, contact technical support. Before you do, prepare this information: Before contacting technical support.

Back to the start: Getting started

Learn more: Troubleshooting (find by symptom), FAQ, Message reference

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