Setup Guide for CrowPanel with Home Assistant

If you encounter any issues

If something doesn't work as expected, please contact us:

- **techsupport@elecrow.com**

We'll be happy to help with setup and panel connection.

Before You Start

First, prepare your Home Assistant server following the separate guide:

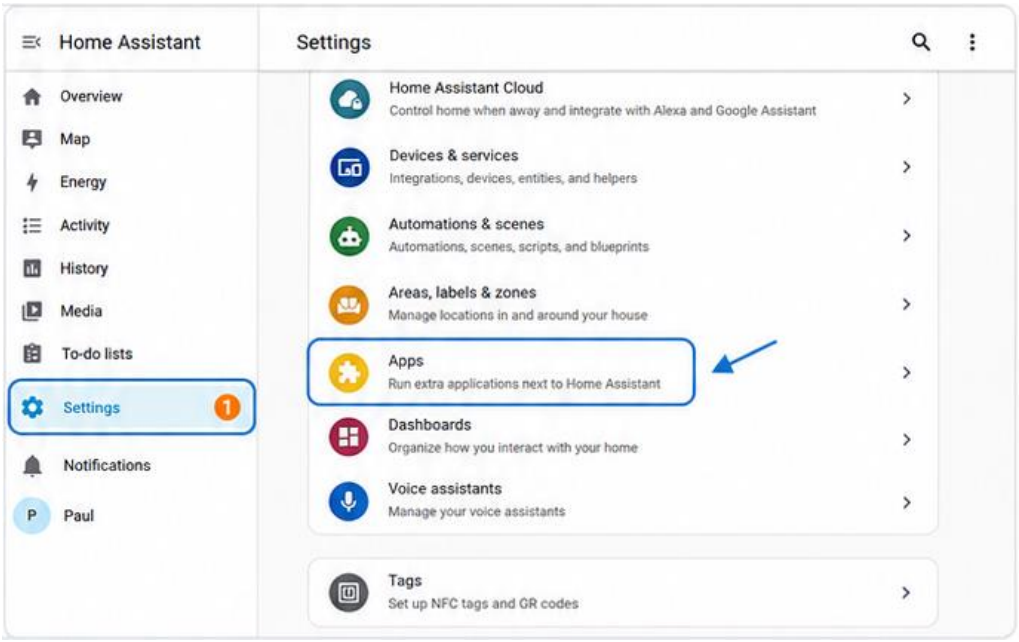
«Setting Up Your Home Assistant Server»

The Elecrow ESP32P4 Display application must be installed and running on the server.

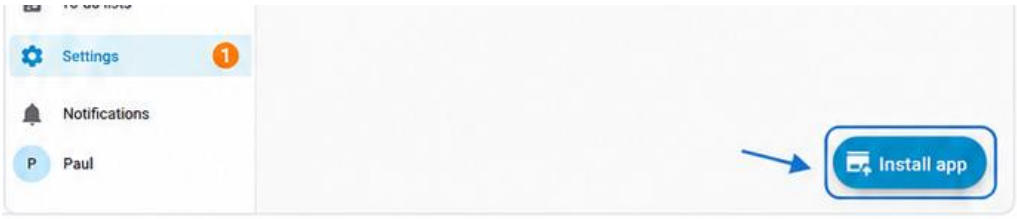
After that, proceed to the panel setup.

Setting Up Your Home Assistant Server

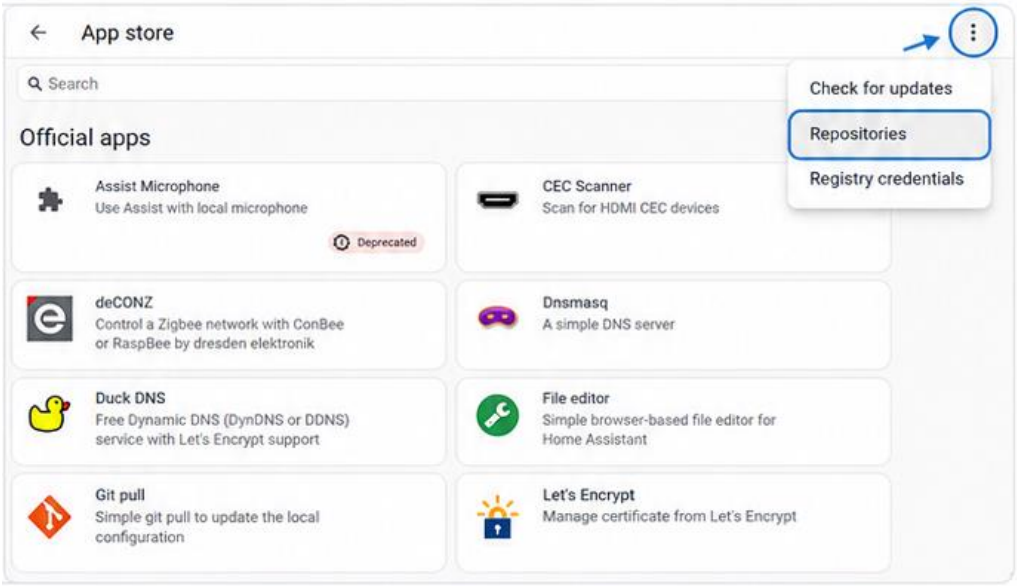
1. Open Home Assistant in your browser.



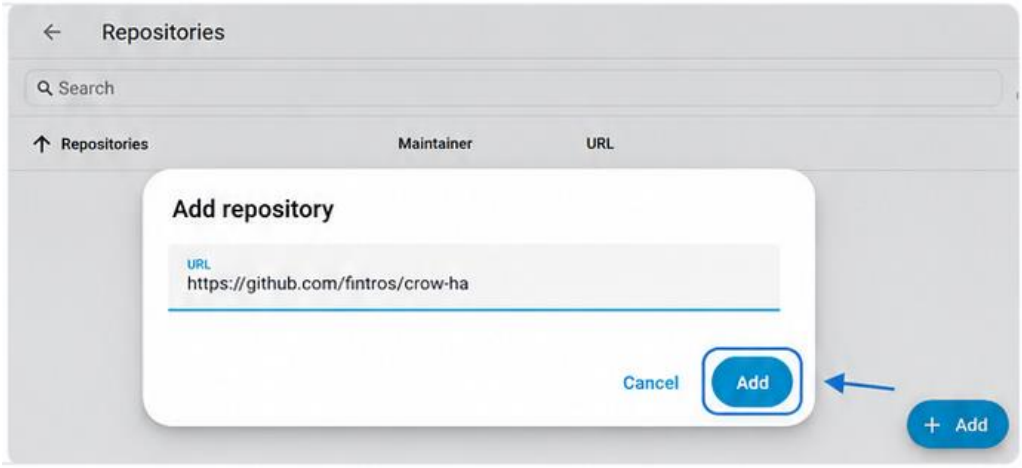
2. Go to **Settings → Apps → Install app**.



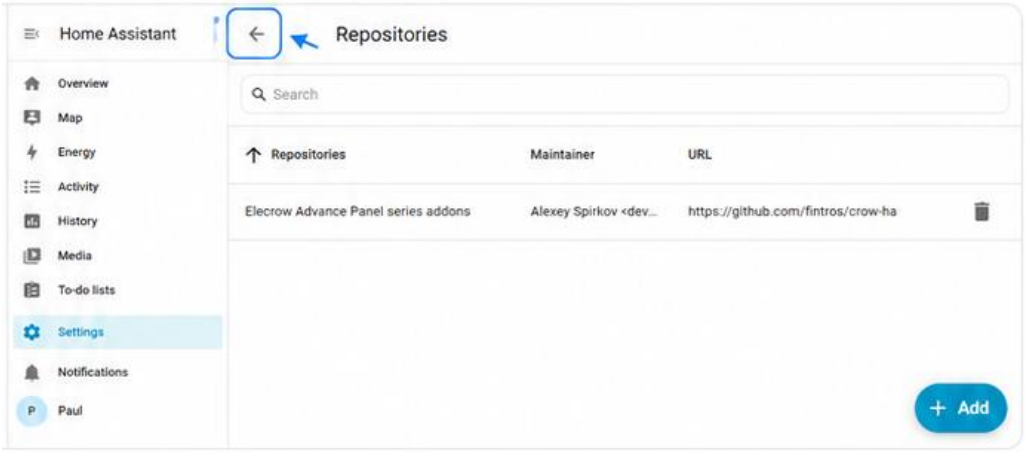
3. Click the three dots in the upper-right corner and select **Repositories**.



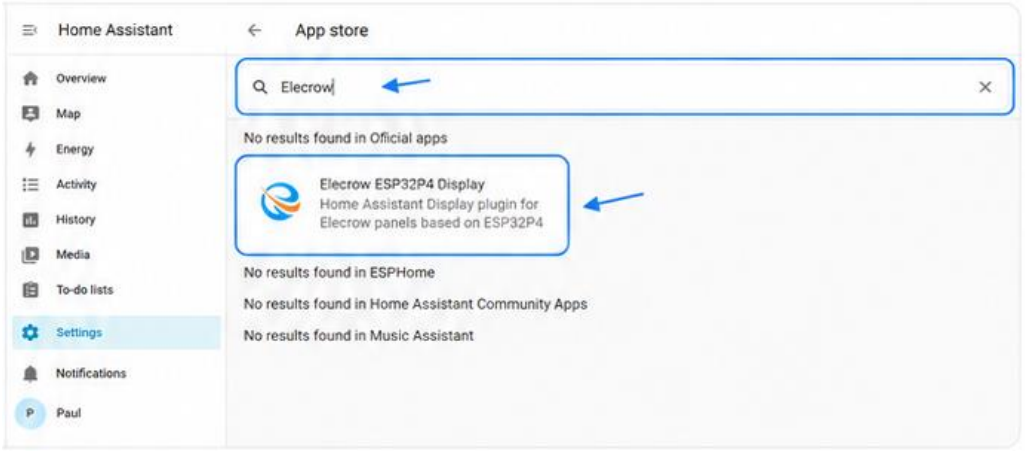
4. Click **Add** and add the repository: **https://github.com/fintros/crow-ha**



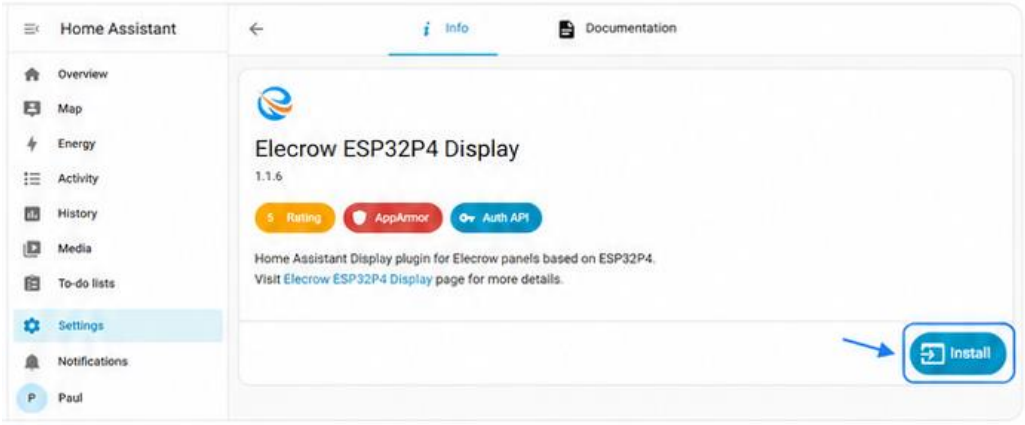
5. Click the **Back** arrow to exit **Repositories**.



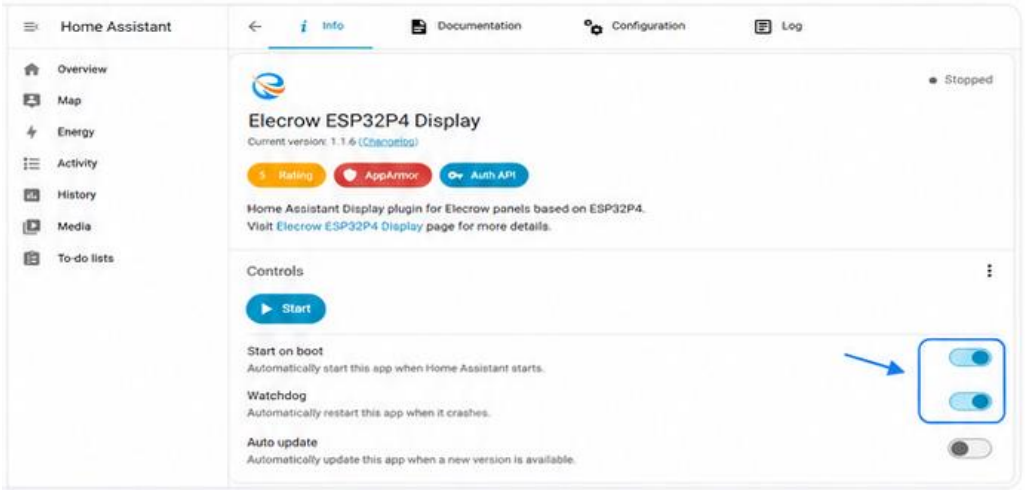
6. In the search field, enter **Elecrow** and find the **Elecrow ESP32P4 Display** app.



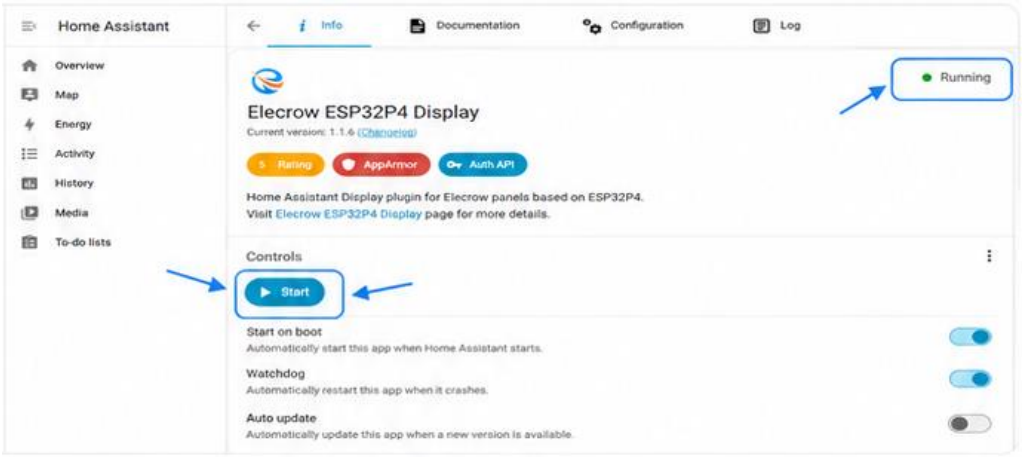
7. Open **Elecrow ESP32P4 Display** and click **Install**.



8. Open the installed app and enable **Start on boot** and **Watchdog**.



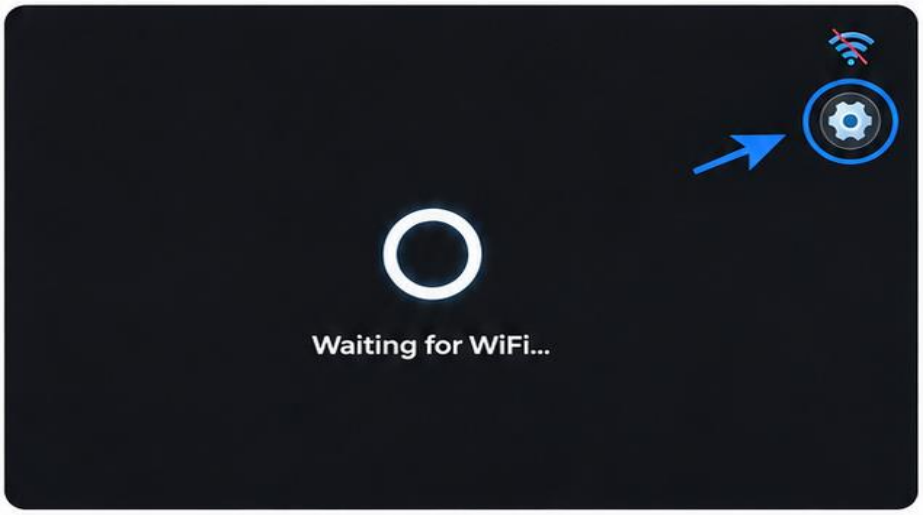
9. Click **Start**. Once the app has started, wait until its status changes to **Running**.



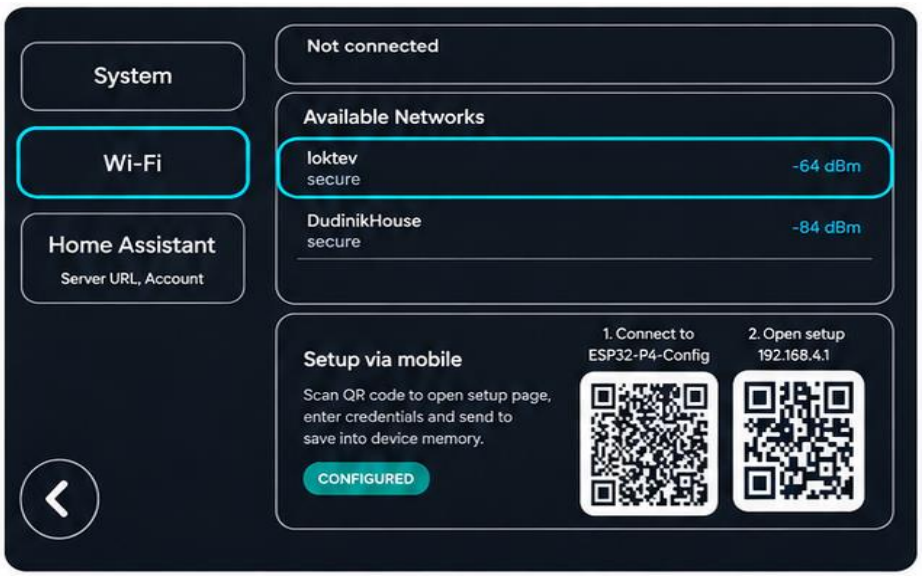
Panel Setup

1. Connect the panel to power using a USB cable.
   Wait for the panel to boot. The first startup may take 1–2 minutes.

2. Open **Settings**.



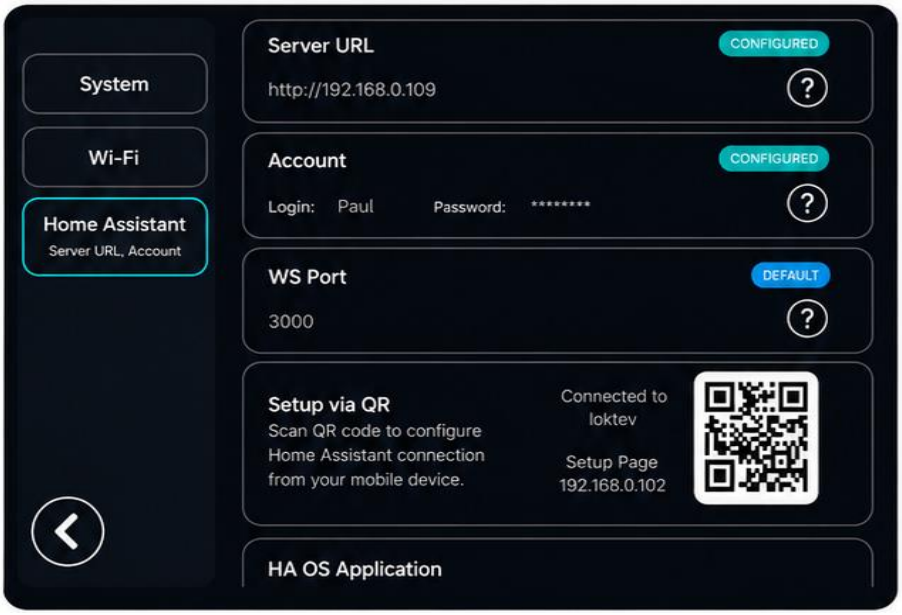
3. Select the **Wi-Fi** tab and choose your network.



4. Enter the password and save the settings.
   Make sure the **Connected** status appears next to your network. If your network is not listed, exit the **Wi-Fi** section and open it again — the panel will repeat the scan.

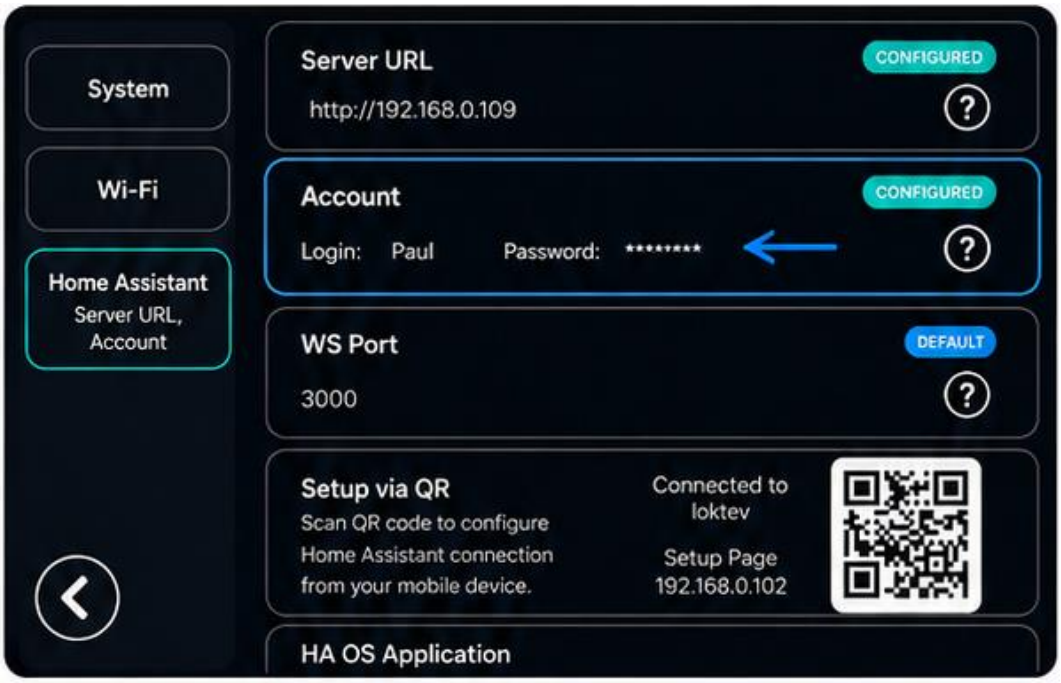
5. If the panel prompts you to update the firmware, install the update.
   Do not disconnect the power during the installation and reboot process.

6. On the panel, open: **Settings → Home Assistant**



7. Enter the address of your Home Assistant server.
   For example: http://homeassistant.local:8123

8. Enter your Home Assistant username and password.
   We recommend creating a separate Home Assistant user for the panel.



9. In the **WS Port** field, enter: **3000**

10. Return to the **Home Assistant** screen.
    The panel will connect to your server and open the Home Assistant dashboard.