



Astrion Remote HA100

Home Assistant User Manual

Version 1.0.0

Smart Control Terminal for Home Assistant Ecosystem



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Contents

1. Welcome to Astrion: Your Home Assistant Command Center	4
2. Getting Started: Setup & Launcher Tour	4
✓ Unbox & Charge: Place the remote on its magnetic charging dock to ensure a full battery.	5
✓ Power On: Press and hold the power button until the screen activates.	5
✓ Connect to Wi-Fi: Follow the on-screen prompts to connect to your local Wi-Fi network.	6
✓ Log in to Home Assistant: You will be guided to log in; the process is detailed in Section 4.	7
3. Mastering the Basics: Customization & Updates	8
4. Home Assistant Integration Deep Dive	10
✓ HACS > Custom Repositories	12
✓ In the new window:	12
✓ Refresh HACS (typically by pressing F5).	13
✓ Search & Download RosCard .	14
✓ Edit Dashboard	15
✓ Add Card > Custom: RosCard	16
✓ Bind entities	16
✓ Create Long-Lived Access Token in HA:	17
✓ Create QR Code with URL + token :	18
✓ Remote > Settings > HA Login > Scan QR :	19
5. Tips for a Smooth Experience	20
6. Appendix & Support	20
7. Frequently Asked Questions (FAQ)	20

Astrion Remote HA100 for Home Assistant

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I. Welcome to Astrion: Your Home Assistant Command Center

The **Astrion Remote HA100** is not just another remote; it's a dedicated hardware terminal designed from the ground up for the **Home Assistant (HA)** ecosystem. It provides a seamless, responsive, and tactile interface to control your entire smart home.

I.1 Core Concept: Terminal, Not an Accessory

Think of Astrion as a specialized keyboard and monitor for your HA server. It uses the official **Home Assistant WebSocket API** to send commands and receive real-time state updates. It is a controller *for* HA, not a device *managed within* HA.

I.2 How It Works: A Seamless Connection

- **Instant-On Launcher:** The custom Astrion interface starts automatically.
- **Persistent Link:** A dedicated app maintains a secure, real-time WebSocket connection to your HA instance.
- **Optimized Interface:** Your **RosCard** views load instantly for fast control.
- **Dual Control:** Use the responsive touchscreen or programmable physical keys.

I.3 The Astrion Difference

Type	Example	Role in the Ecosystem
Bluetooth Remote	Pairs with a TV	Controlled Device
Smartphone with HA App	Controls HA via Wi-Fi	General-Purpose Terminal
Astrion Remote HA100	Controls HA via WebSocket API	Dedicated Control Terminal

After initial setup, the **Astrion Launcher** automatically connects to your **Home Assistant** and loads your designated views (e.g., **RosCard** profiles). **Physical shortcut keys** can be rebound to trigger any HA service, scene, or navigation. For developers, the remote interacts solely through standard HA APIs, requiring no custom integration. Feature updates are delivered seamlessly via **OTA (Over-The-Air)** updates.

2. Getting Started: Setup & Launcher Tour

2.1 First-Time Setup in 4 Steps

- ✓ **Unbox & Charge:** Place the remote on its magnetic charging dock to ensure a full battery.



Figure 1 — First-time setup / power-on sequence

- ✓ **Power On:** Press and hold the power button until the screen activates.

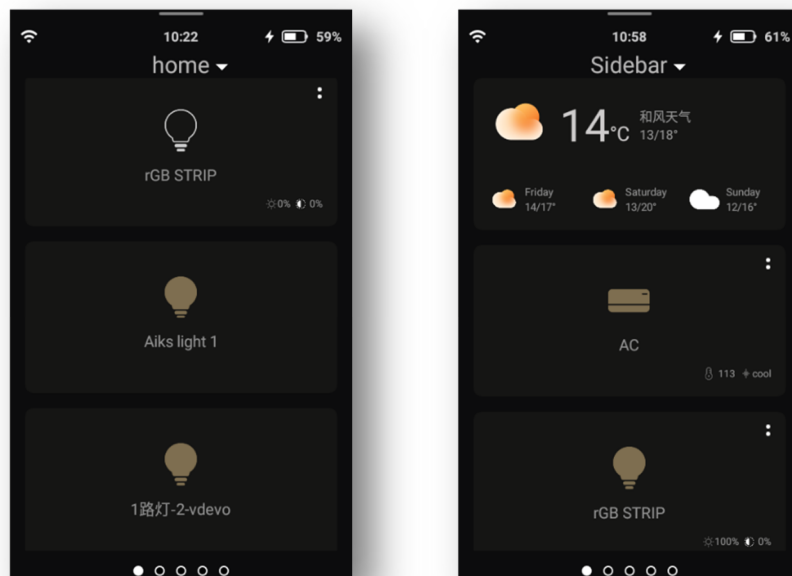


Figure 2 — First-time setup / power-on sequence

- ✓ **Connect to Wi-Fi:** Follow the on-screen prompts to connect to your local Wi-Fi network.

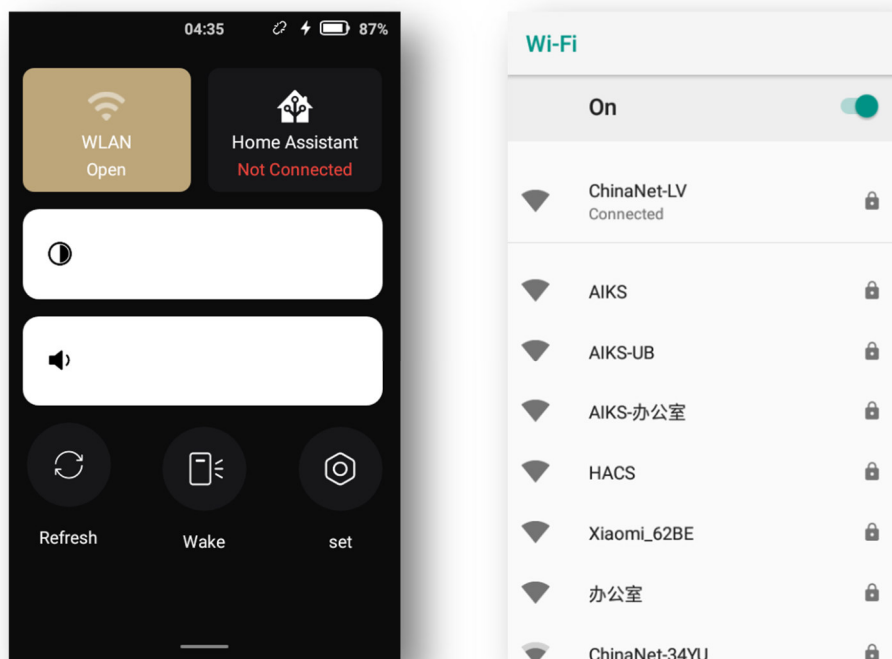


Figure 3 — Launcher home and settings

✓ **Log in to Home Assistant:** You will be guided to log in; the process is detailed in Section 4.

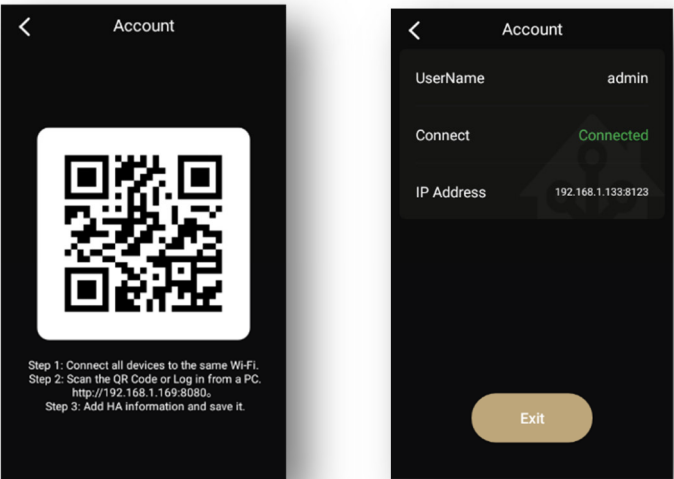


Figure 4 — Launcher home and settings

2.2 Astrion Launcher Overview

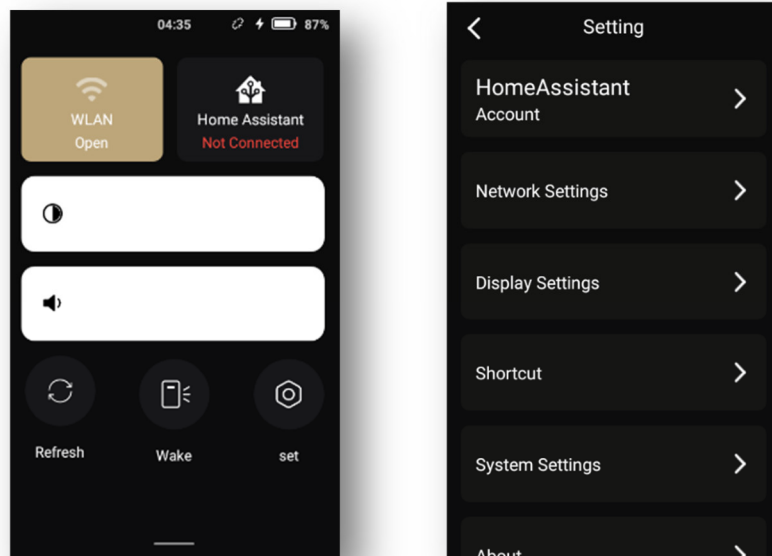
The Launcher is your mission control, designed for single-purpose, efficient HA control.

- **Home Screen:** Your primary HA dashboard and view switcher.



Figure 5 — Launcher home and settings

- **Settings:** Configure shortcuts, Wi-Fi, and the HA connection.



- **System Tray:** Quick access to brightness, sleep, and power options.

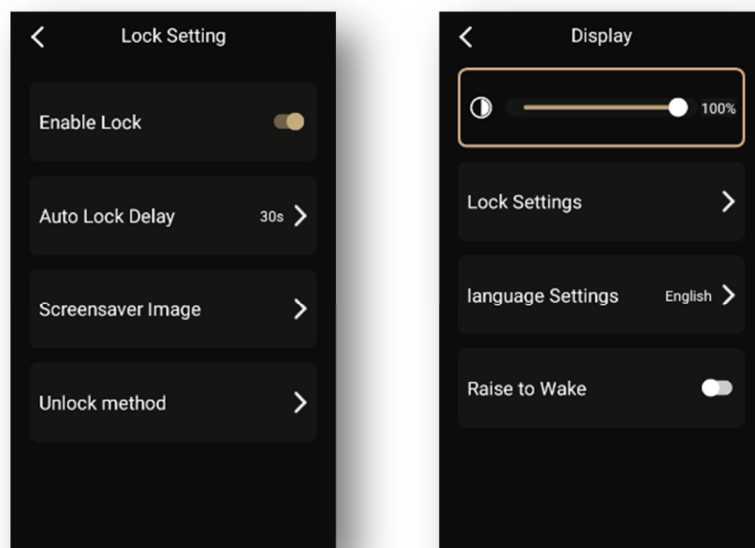


Figure 6 — Launcher home and settings

3. Mastering the Basics: Customization & Updates

3.1 Key Mapping & Shortcut Configuration

Transform the physical buttons into one-touch smart home controls.

Configuration Path:

Settings → Shortcut → [Select Key] → [Choose Action] → [Bind Entity/Service/Scene]

💡 **Pro Tip:** You can assign different actions for **short press** and **long press** on most keys, effectively doubling your shortcuts.

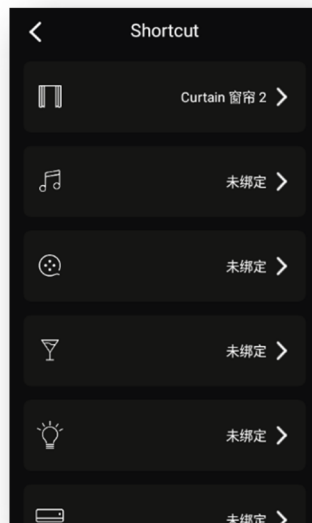


Figure 7 — Shortcut mapping and key configuration

- Choose action (e.g., "Light Dash" "Curtain Dash" etc.)
Note: You can find the same icons on the remote keypad. Once set up here, you can control it with the remote.

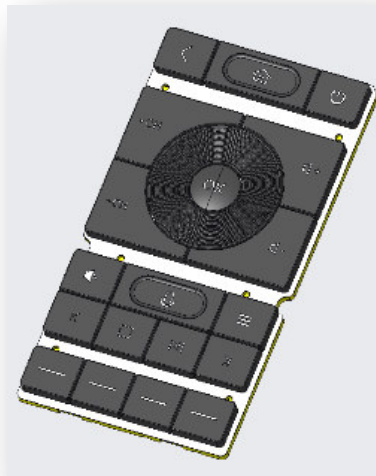


Figure 8 — Shortcut mapping and key configuration

- Bonding service/scene

3.2 OTA (Over-The-Air) Firmware Upgrades

Your Astrion Remote improves over time with feature additions and enhancements.

- **Checking for Updates:** Navigate to [Settings > About > Software Version](#).
- **Notification:** A red dot will appear next to the version number if an update is available.
- **Installation:** Ensure the remote is on Wi-Fi and has sufficient charge. Updates download and install automatically.

4. Home Assistant Integration Deep Dive

4.1 Prerequisite: Install HACS

This integration requires the **Home Assistant Community Store (HACS)**. Please install HACS on your server before proceeding.

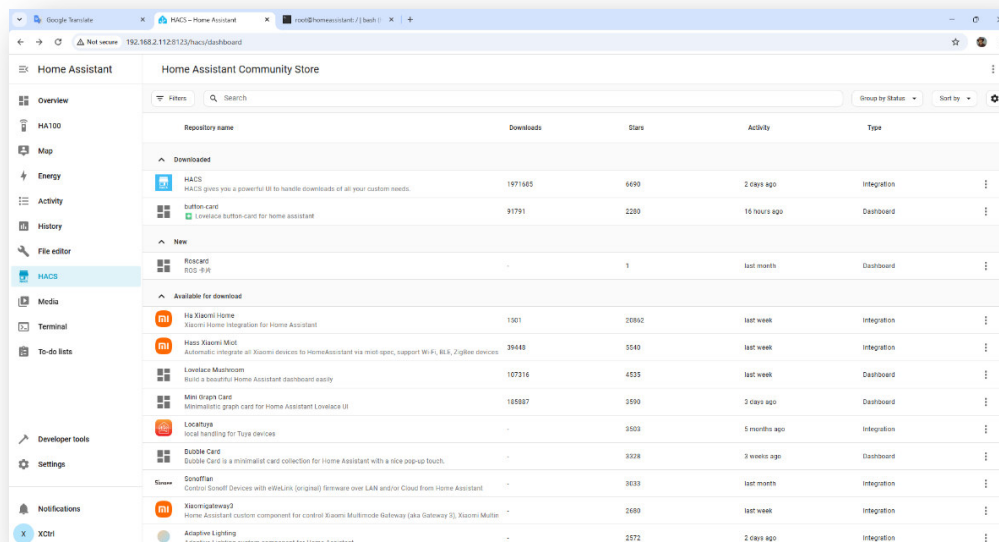


Figure 9 — HACS configuration and RosCard repository setup

4.2 Installing RosCard via HACS

RosCard is the custom card optimized for the Astrion Remote's display and interaction model.

Steps:

1) Open **HACS** → menu (⋮) → **Custom Repositories**

2) **Add**

<https://github.com/yyqclhy/RosCard>

Category: Dashboard

3) **Refresh HACS** (e.g., press F5), search for **RosCard**

4) **Download** and **restart** if prompted

✓ HACS > Custom Repositories

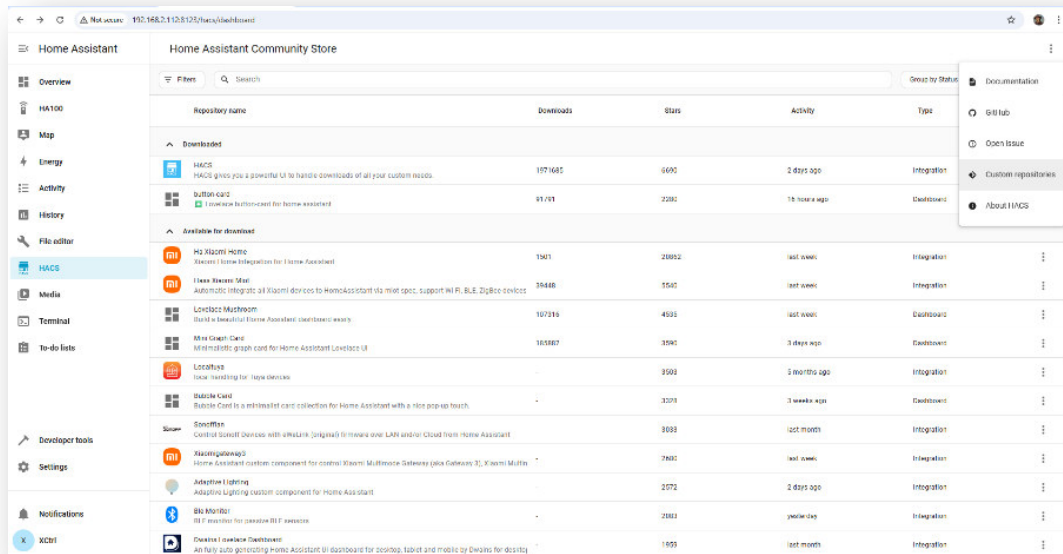


Figure 10 — HACS configuration and RosCard repository setup

✓ In the new window:

- Add repo: <https://github.com/yyqclhy/RosCard>
- Category: **Dashboard**.

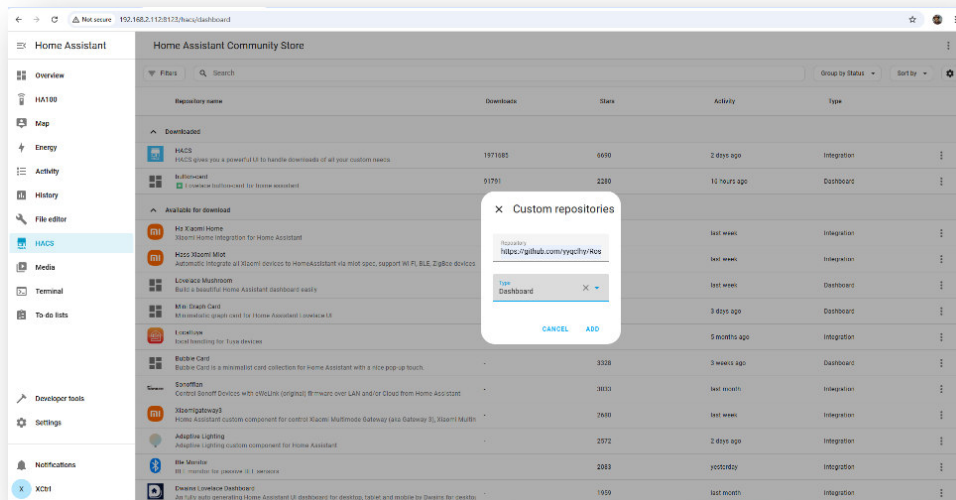


Figure 11 — HACS configuration and RosCard repository setup

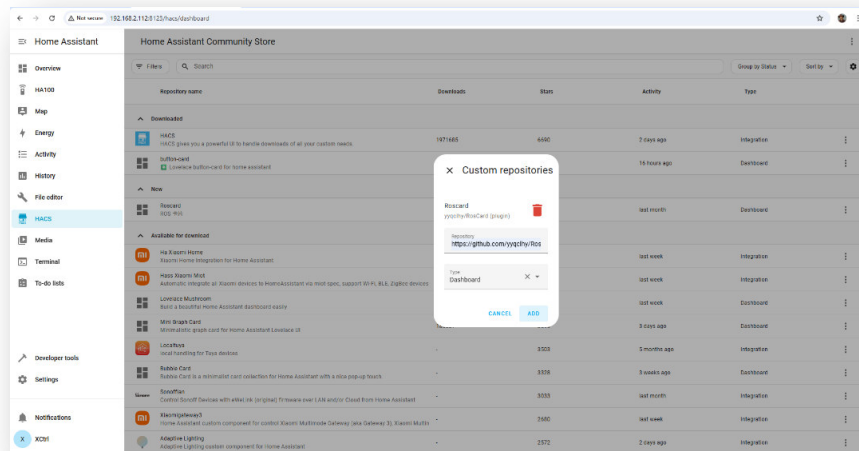


Figure 12 — HACS configuration and RosCard repository setup

✓ Refresh HACS (typically by pressing **F5**).

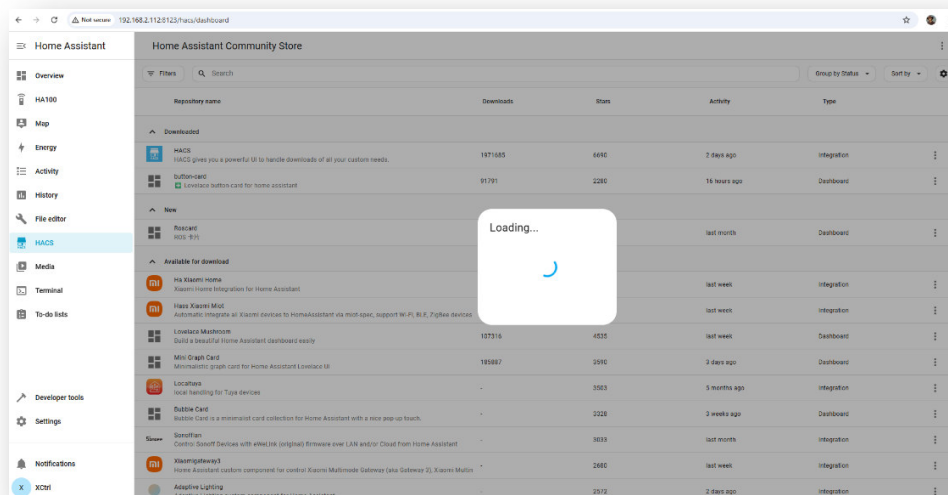


Figure 13 — HACS configuration and RosCard repository setup

✓ Search & Download RosCard.

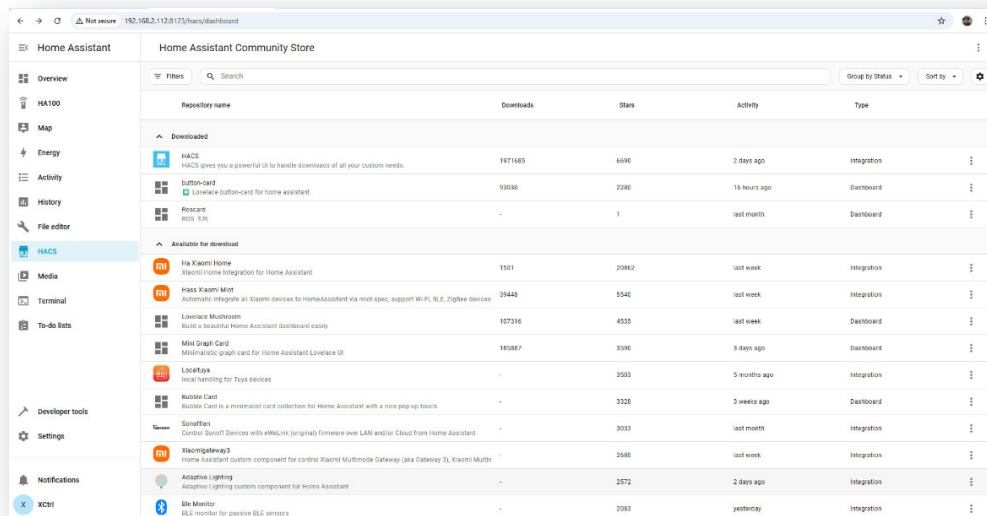


Figure 14 — HACS configuration and RosCard repository setup

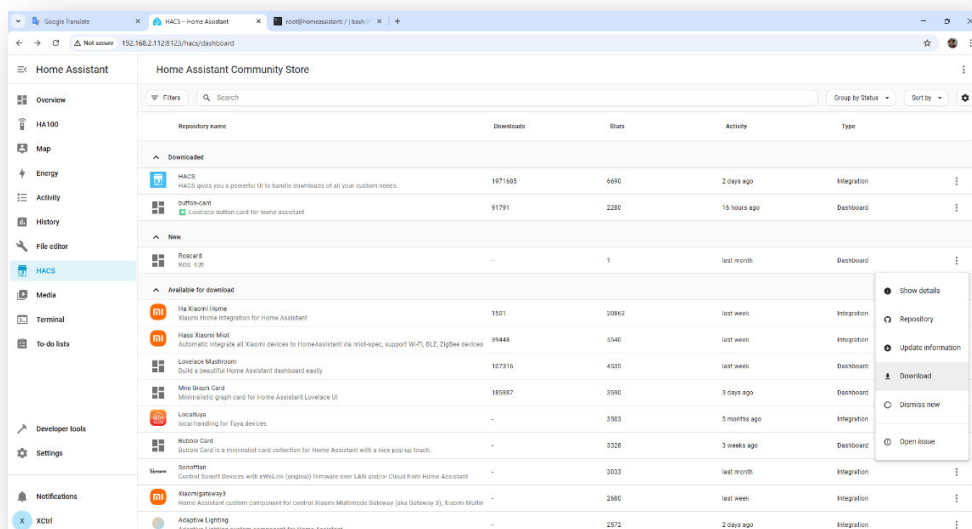


Figure 15 — HACS configuration and RosCard repository setup

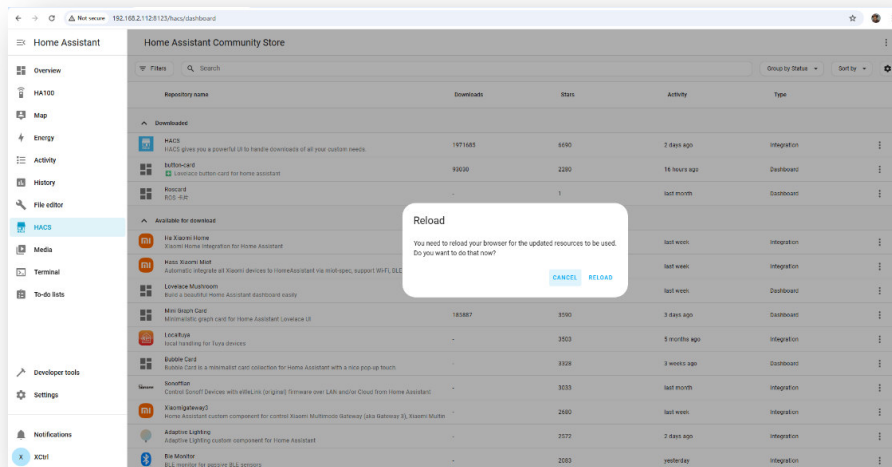


Figure 16 — HACS configuration and RosCard repository setup

4.3 Creating RosCard Control Views

Dashboard → Edit → Add Card → **Custom: RosCard** → Bind entities.

Examples:

- Light Control: Add light entities; enable Display Independently for full-screen view on remote
- Media Player: Android TV → remote entity; Apple TV → media_player + remote

✓ Edit Dashboard

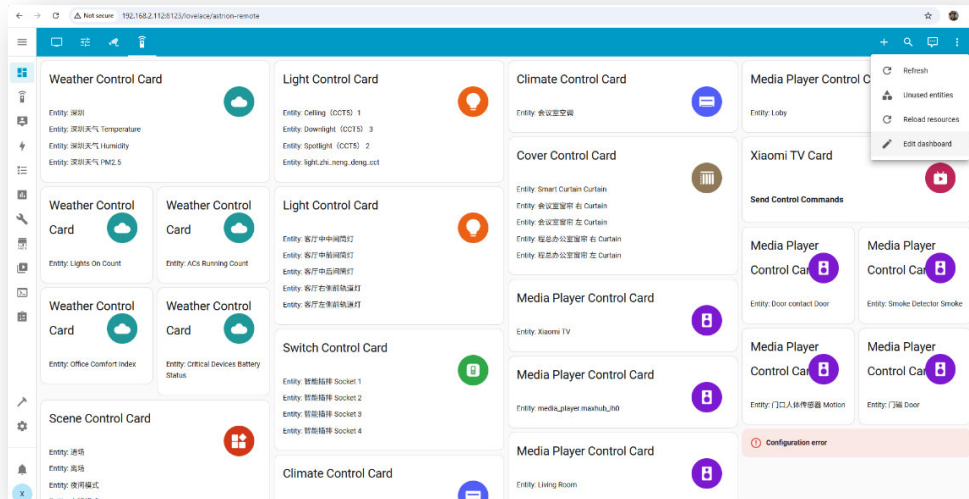


Figure 17 — RosCard view creation and entity binding

✓ Add Card > Custom: RosCard

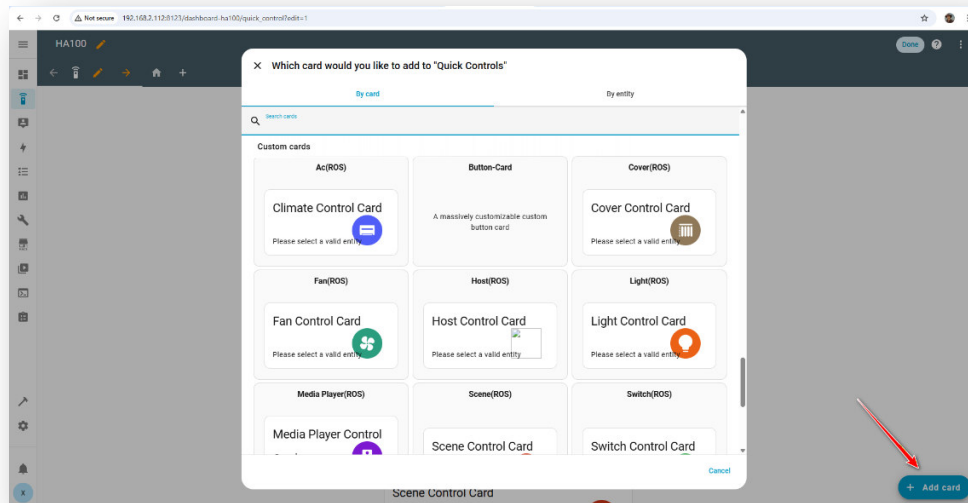


Figure 18 — RosCard view creation and entity binding

✓ Bind entities

- **Example:**
 - Light Card**
 - Add light entities.
 - Enable **Display Independently** to make this card appear as a dedicated, full-screen view on the Astrion Remote.

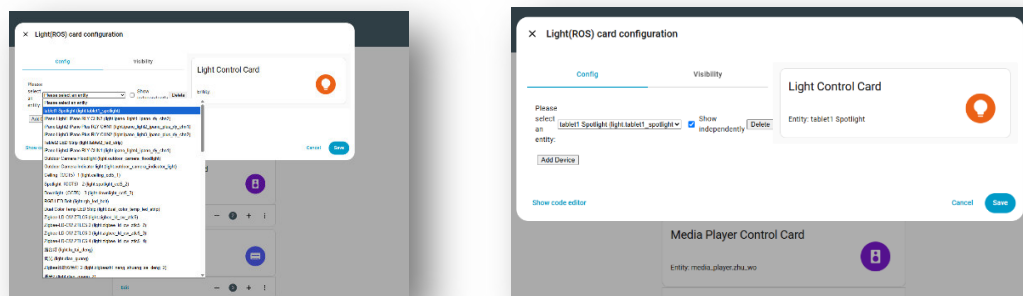


Figure 19 — RosCard view creation and entity binding

Media Card

- **Android TV:** select **remote** entity
- **Apple TV:** select **media_player** + **remote**

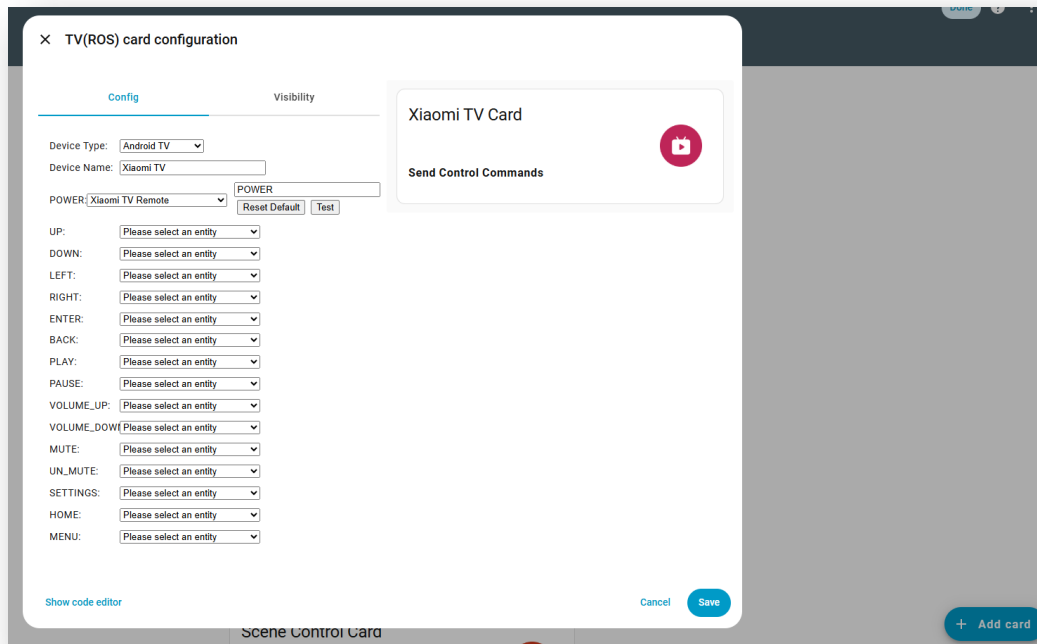


Figure 19 — RosCard view creation and entity binding

4.4 Connecting to Your Home Assistant Account

A. Generate a Long-Lived Access Token in HA

In HA: Profile → Long-Lived Access Tokens → Create → Copy.

B. Log In via QR Code (Recommended)

Create a QR containing HA URL + token. On remote: Settings → Home Assistant → Login → Scan QR.

If discovery fails, enter HA URL manually (e.g., <http://192.168.1.133:8123>).

Steps:

✓ Create Long-Lived Access Token in HA:

- In Home Assistant, click on your profile in the bottom-left corner.
- Scroll down to **Security** and click **Long-Lived Access Tokens**.
- Click **Create Token**, give it a name (e.g., "Astrion Remote"), and copy the generated token.

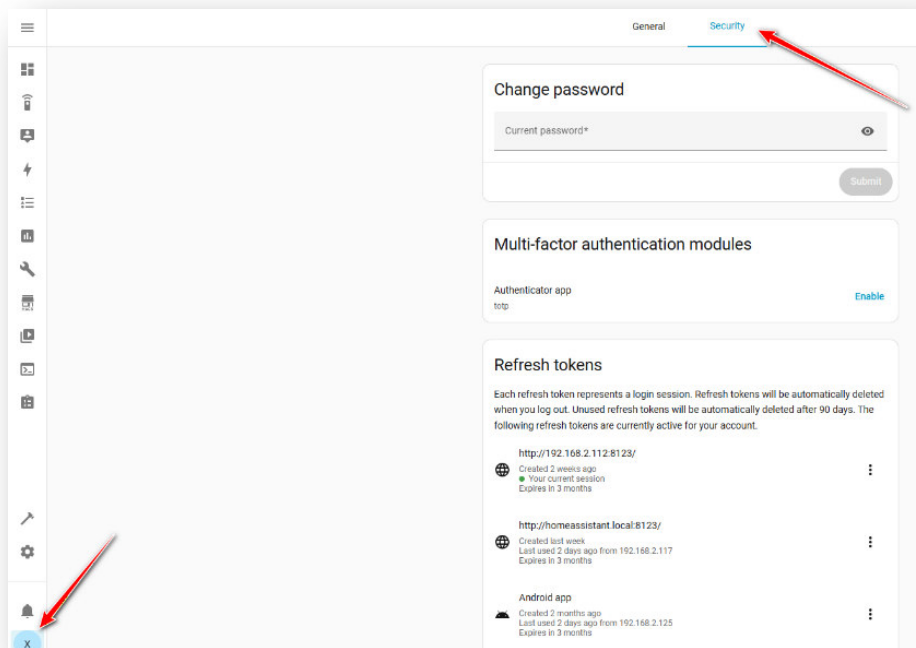


Figure 20 — QR login, token input, and server URL discovery

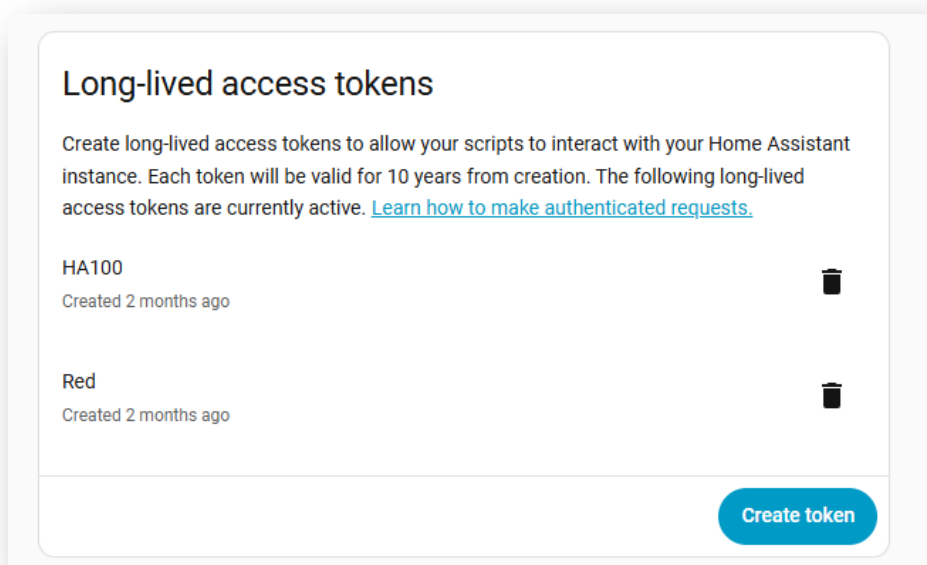


Figure 21 — QR login, token input, and server URL discovery

- ✓ **Create QR Code with URL + token:**

- ✓ Remote > Settings > HA Login > Scan QR:

On the Astrion Remote, ensure it's on the same Wi-Fi network as your HA server.

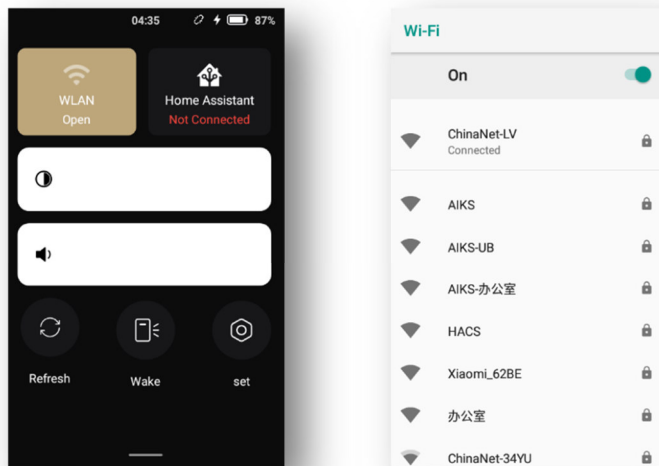


Figure 22 — QR login, token input, and server URL discovery

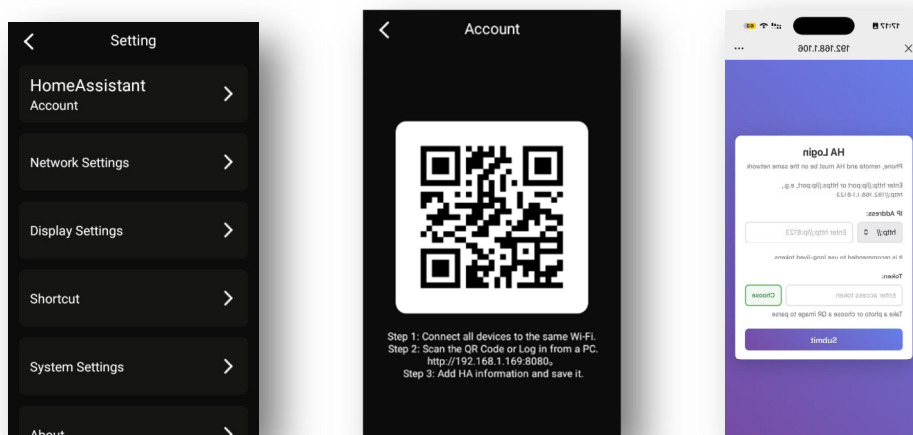


Figure 22 — QR login, token input, and server URL discovery

- If the automatic discovery fails, you will be prompted to enter your HA instance's internal URL manually (e.g., <http://192.168.1.133:8123>).

5. Tips for a Smooth Experience

- **Network is Key:** The remote and HA server **must** be on the same local subnet for auto-discovery to work.
- **Data Efficiency:** Only RosCard configuration data is cached on the remote. All your automations, secrets, and core logic remain secure on your HA server.
- **Stay Updated:** Periodically check Settings > About > Software Version for OTA updates.

6. Appendix & Support

- **Full Technical Specifications:** <https://store.sanytron.com/support/datasheets>
- **Supported HA Versions:** Home Assistant Core 2023.x and newer.

Support Resources:

-  **Website & Store:** sanytron.com | store.sanytron.com
-  Online Forum: <https://forum.sanytron.com/c/astrion-remote>
-  **Community:** [Facebook Page](#) | [Facebook Installer Group](#)
-  **Documentation:** [Full Catalog & Technical Documents](#)
-  **Email:** bz@sanytron.com

7. Frequently Asked Questions (FAQ)

Q1: Why doesn't the Astrion Remote appear in my Home Assistant integrations?

A: Correct! It is a **control terminal**, not a device to be integrated. It communicates via the official HA API, just like the mobile app.

Q2: The remote can't find my HA server automatically. What's wrong?

A: This is almost always a network issue. Ensure both devices are on the **same Wi-Fi network and subnet**. If problems persist, manually enter your HA server's local IP address in the login screen.

Q3: I added a new RosCard view in HA, but it's not showing up on the remote.

A: You need to refresh the views on the remote. Pull down from the top of the home screen and tap the **Refresh** button.

Q4: Can I use the remote outside my home network?

A: It is possible if your Home Assistant instance is securely exposed to the internet (e.g., via Nabu Casa or a VPN), but performance and setup are best on the local network.

Q5: My remote feels sluggish. What can I do?

A: Try these steps in order: 1) **Refresh** your views. 2) **Restart** the remote. 3) Check for and install any **OTA Updates**. 4) Ensure your Wi-Fi signal is strong.

Q6: I changed my HA password/long-lived token. How do I re-login?

A: Go to Settings > Home Assistant > Log Out. Then, go through the login process again with your new credentials.

Q7: How do I perform a factory reset?

A: Navigate to Settings > System > Factory Reset. **Warning:** This will erase all settings, shortcuts, and the HA connection.

RMKs: More detail beginner setup, guide & tutorial for Astrion remote can be found in Sanytron's online forum.

URL

<https://forum.sanytron.com/c/astrion-remote/astrion-knowledge-base-tutorials/19>

