# Driver – Home Assistant Server Platform IP

version 1.7.0

## Driver

This release note is for the Crestron driver FridayForge_HomeAssistant.

This driver is the FridayForge platform driver that connects Crestron Home to a Home Assistant server. It reads the entities Home Assistant already knows about and presents each one as a Crestron Home device, so lights, outlets, fans, humidifiers, sensors and people can be placed in rooms and used in Crestron Home scenes. Changes made in Home Assistant appear in Crestron Home right away.

## Notes and Recommendations

Create a dedicated long-lived access token for Crestron in Home Assistant, so it can be revoked without affecting anything else.

Leave the entity filter empty to let the driver discover everything useful. Phones, network equipment internals and camera settings are skipped automatically, so the device list stays manageable. If you do enter a filter, it is used exactly as written and none of the automatic exclusions apply.

This driver talks only to Home Assistant. If a device is unavailable in Home Assistant (for example, a cloud integration that has been rate-limited), its tile shows as unavailable here as well until Home Assistant recovers.

**Licensing.** The driver works free for 2 hours after the processor starts. To keep using it, install the FridayForge License Manager and buy a licence for this driver at forgedbyfriday.com. A licensed driver keeps working only while the License Manager is installed and running on the same processor. While the driver is locked it ignores commands from Crestron Home and each tile shows “Trial ended: licence needed”.

**Automatic Clean-up**

With an empty filter the driver leaves out the following so that the device list stays useful:

- Phones and tablets, including their sensors and device trackers (use the person tile for presence)
- Network equipment internals such as uptime, uplink MAC address, CPU and memory, and firmware updates
- Camera settings such as overlays, status lights and privacy mode. Motion, doorbell, person, vehicle and animal detection sensors are kept
- Duplicate entities that share the same name, and empty leftover entities
- Sonos crossfade/loudness settings, sun times, backup sensors, and fan display switches

An outlet's power reading and a fan's or humidifier's own sensors are merged into its tile instead of listed separately.

## System Requirements and Dependencies

- Crestron Home OS 4.x with a V2 Processor
- A Home Assistant server reachable from the Crestron processor (tested on Home Assistant 2025.8.3)
- A Home Assistant long-lived access token
- A fixed IP address (or DHCP reservation) for the Home Assistant server is recommended

# Installation/Upgrade Instructions

### Installation

- Copy the .pkg file to the Crestron Home Configurator and install it (Settings > Drivers).
- Add the device in the Configurator and fill in the installer settings below.
- The Configurator discovers the devices and adds each one under Devices; assign each to its room.
- **After you install a newer version of the driver, you do not need to remove it.** If the update adds new settings, Crestron Home asks the installer to review them before the driver comes back online. If the driver needs to resync its information, Crestron Home may also ask for a processor reboot.

### Installer Settings

| Setting | Description |
|---|---|
| **Home Assistant IP Address / Hostname** | Address of the Home Assistant server. |
| **Port** | Home Assistant web port. Default: 8123. |
| **Long-Lived Access Token** | In Home Assistant: click your name (bottom left) > Security > Long-lived access tokens > Create token. Paste it here. |
| **Only Include Entities Containing (optional)** | Comma-separated pieces of an entity id, for example *kitchen,porch*. Leave empty to discover everything useful. |
| **Device List Refresh (seconds)** | How often the driver looks for new or removed devices. Default: 60. Live changes do not depend on this. |

### Per-device settings

Each discovered device has its own setup page when it is added:

| Per-Tile Setting | Description |
|---|---|
| **Show on Room Page** | Shows the tile on the room's page. Default: on. |
| **Show on Home Page** | Also show the tile on the Home page. Default: off. |
| **Tapping the Tile Operates the Device** | On: tapping the tile toggles the device. Off: tapping only opens the tile page. Not shown for sensor and person tiles. |
| **Tile Icon (optional)** | A Crestron icon name for the tile (for example icFanOn). Leave empty for the default. |
| **Tile Page Label (optional)** | Text shown at the top of the tile page. |

Outlets also have **Reboot: Seconds Off** (1–120, default 5), the time an outlet stays off during a Reboot.

### Using Driver Events in Sequences

Tiles raise events that appear in Crestron Home Actions & Events under the device, so a scene can react to what Home Assistant reports. Each event also has a **Test** action that raises it on demand, so a scene can be tried without waiting for the real trigger. Events are raised only when a state actually changes; the first state seen after start-up is never raised.

| Device | Events |
|---|---|

| | |
|---|---|
| **Binary sensors** | Named for what the sensor is: Motion Detected / Motion Cleared, Opened / Closed, Plugged In / Unplugged, Occupied / Cleared, Problem Detected / Problem Cleared, Doorbell Pressed / Doorbell Released, and for camera detections the detection name and its cleared counterpart (for example Animal detected / Animal cleared). Others use Turned On / Turned Off. |
| **People** | Arrived Home, Left Home. |
| **Numeric sensors** | Rose Above Trigger Value and Fell Below Trigger Value. Set the numbers in the sensor's setup page (*Event: Rises Above* and *Event: Falls Below*). Leave empty for none. |
| **Text and enum sensors** | State Changed. |
| **Outlets, fans and humidifiers** | Turned On, Turned Off. |
| **Grouped tiles (Tesla Wall Connector, Shelly)** | One pair of events per binary reading, for example Vehicle connected: Plugged In / Unplugged and Contactor closed: Charging Started / Charging Stopped, and Status: Changed. |
| **Humidifier and fan alerts** | For example Low water: Problem Detected / Problem Cleared. |

Lights use Crestron's standard light controls in Actions & Events.

## End-User Experience

**What Appears in Crestron Home**

| Home Assistant | Crestron Home device | What you can do |
|---|---|---|
| **Lights** | Light | On/off, and brightness for dimmable lights. |
| **Switches (outlets, relays) and input booleans** | Outlet tile | On, Off, Reboot, and tap-to-toggle. Outlets with a power sensor (such as UniFi PDU outlets) show live power use on the tile and the tile page, with no separate tile. |
| **Fans and air purifiers** | Fan tile | On/off, a button for each speed step the fan reports (the current one is marked) and preset-mode buttons. The fan's own PM2.5, air-quality and filter-life sensors appear on its page. |
| **Humidifiers** | Appliance tile | On/off, target humidity up/down in 5% steps within the device's limits, mode buttons, current and target humidity cards, and alerts such as low water. |
| **Sensors and binary sensors** | Sensor tile with events | Shows the value with its unit, or Yes/No for binary sensors, and raises events that can trigger scenes (see Sequence Events). Related readings are combined (see below). |
| **People** | Sensor tile with events | Shows Home or Away and raises Arrived Home and Left Home events. |
| **Tesla Wall Connector** | One grouped tile | Status, vehicle connected, contactor, session and total energy, grid voltage and frequency, the three phases and temperatures on one card-style page. Plug-in, unplug and charging changes raise events. |
| **Shelly temperature sensor** | One grouped tile | Temperature, humidity and battery on one page; the tile shows temperature and humidity. |

**Tile Pages**

Each device is a tile in its room (and optionally on the Home page). Tiles show the current state on the tile face, for example *On · 48 W* for an outlet, *On · 50% · PM2.5 6* for a purifier, or *Not connected* for the Tesla charger. Tapping a tile opens its page, which uses grouped cards for status and readings and buttons for controls.

## Limitations/Known Issues

- Home Assistant entity types other than lights, switches, input booleans, fans, humidifiers, sensors, binary sensors and people are not shown (no covers, locks, climate or media players).
- Humidifier mist level and purifier night-light level are separate Home Assistant entities and are not yet controllable from the tile.
- Numeric sensors raise events only for the trigger values you set; they do not raise an event for every change.
- Grouped tiles are built in for the Tesla Wall Connector and Shelly H&T temperature sensor only.
- Anything that is unavailable in Home Assistant is unavailable here; this driver does not contact cloud services itself.

## Supported Features

- Live updates from Home Assistant
- Automatic discovery with automatic clean-up
- Dimmable lights
- Outlet on/off/reboot with live power use
- Fans, purifiers and humidifiers with card-style pages
- Sensor, person and grouped tiles with Crestron events (Actions & Events triggers)

## Test Environment

- Crestron Home OS 4.x
- Home Assistant 2025.8.3 with UniFi Network/Protect, Sonos, Shelly, Levoit and Tesla Wall Connector integrations

## Supported Models

- Home Assistant (any installation type that exposes the standard REST and WebSocket API)

## Contact Information


- Company: FridayForge
- Author: Aaron Johnson
- Email: aaron@forgedbyfriday.com
- Website: forgedbyfriday.com

# Version History

## 1.7.0 2026-11-02

**Changes since Last Version**

***New Features***

- Initial release

# Licensing and Copyright Information

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource

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