ZENTURA HOME

Leviton Decora Smart WiFi Driver

Crestron Home Quick Start & Help Guide

Cloud / HTTPS Platform Driver | Version 2.0000.0043

DRIVER TYPE	PRODUCT FAMILY	INTEGRATION
Crestron Home Platform Driver	Leviton Decora Smart WiFi	My Leviton Cloud REST API

Prepared for dealers, integrators, and Crestron Home commissioning teams.

Zentura Home | https://zenturahome.com | support@zenturahome.com

SMART HOME DRIVER DOCUMENTATION

Quick Start at a Glance

1. DOWNLOAD Download the Leviton Decora Smart WiFi driver package from https://zenturahome.com.	**2. SIDE-LOAD** Copy the .pkg to /user/ThirdPartyDrivers/Import on the processor.	**3. PAIR** In Crestron Home Setup, go to Pair Devices -> Drivers -> Platform -> Leviton.
4. CONFIGURE Enter license, My Leviton credentials, residence name, polling interval, and logging settings.	**5. VERIFY** Save, confirm device and scene discovery, then assign each child device to the correct room.	**6. FINISH** Disable verbose/debug logging after commissioning and activate the Zentura Home license.

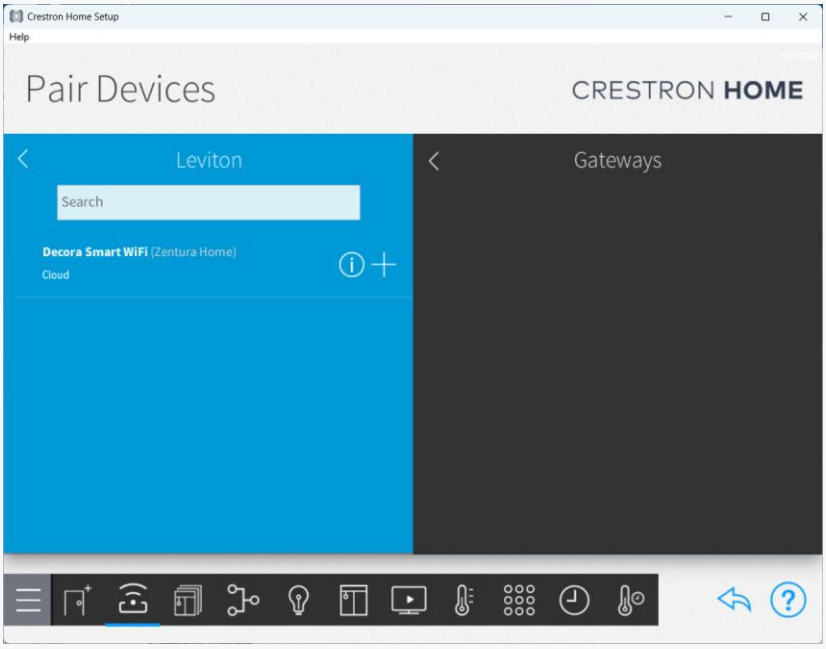
Single-Residence Deployment

If the My Leviton account contains multiple residences, specify the exact residence name. To control multiple residences from one processor, add one driver instance per residence.

Polling and API Load Guidance

Default polling is 15 seconds. Increase to 30-60 seconds in larger installations to reduce cloud API load and avoid HTTP 429 rate-limit responses.

Driver Selection in Crestron Home Setup



Quick Reference

CLOUD-BASED INTEGRATION Reliable internet is required for the processor and the My Leviton cloud residence.	**LICENSE REQUIRED** A 2-hour free trial starts on first run so the dealer can validate before purchasing.
POLLING DEFAULT State refresh defaults to 15 seconds. Increase to 30-60 seconds for larger installations.	**SCENES AND RESIDENCES** One residence per driver instance. Leviton scenes appear in Crestron Home Lighting Scenes.

Version 2.0000.0043

Driver

The **Zentura Home Leviton Decora Smart WiFi Platform Driver** is a Crestron Home **Platform** driver that integrates **Leviton Decora Smart WiFi** dimmers, switches, plug-in outlets, and fan speed controllers into Crestron Home via the **My Leviton cloud REST API** (HTTPS). Built on the **Crestron Drivers SDK V2 (Entity Model)**, it auto-discovers every device, room, and scene on the customer's My Leviton residence and registers each device as a native Crestron Home **Light**, **Switch**, **Outlet**, or **Fan** entity. Discovered Leviton scenes are exposed through Crestron Home's standard **Lighting Scenes** UI on a virtual scene-controller child device.

Notes and Recommendations

- **Cloud-based integration.** A reliable internet connection on the processor and on the home's My Leviton hub is required.
- **Zentura Home license required.** A **2-hour free trial** starts on first run so the dealer can validate before purchasing.
- After commissioning, **disable** *Enable Verbose Logging* and *Enable Debug Log File* to avoid unnecessary writes to processor storage.
- Default polling interval is **15 seconds**. Increase to 30–60 seconds in larger installations to reduce cloud API load.
- **Single-residence per driver instance.** If the My Leviton account contains multiple residences, specify the residence by name in the *Settings* step. To control multiple residences from one processor, add one driver instance per residence.
- Fan controllers appear as **Fan tiles** (not lighting tiles). Lights and outlets appear in their normal Crestron Home control pages.
- All driver capabilities are programmable in Crestron Home **Sequences**.

System Requirements and Dependencies

- Crestron Home processor with **Crestron Drivers SDK V2** runtime **21.0000.0000** or newer.
- A **My Leviton** cloud account with at least one residence and one or more Decora Smart WiFi devices commissioned via the My Leviton mobile app.
- Outbound **HTTPS** from the processor to:
  - `https://my.leviton.com` (device discovery, control, and state)
  - `https://license.zenturahome.com` (license activation and re-check)

Validation Note

Validated on CP4-R / Crestron Home OS 4.9. Expected to run on any compatible processor; configurations outside the tested environment are not certified.

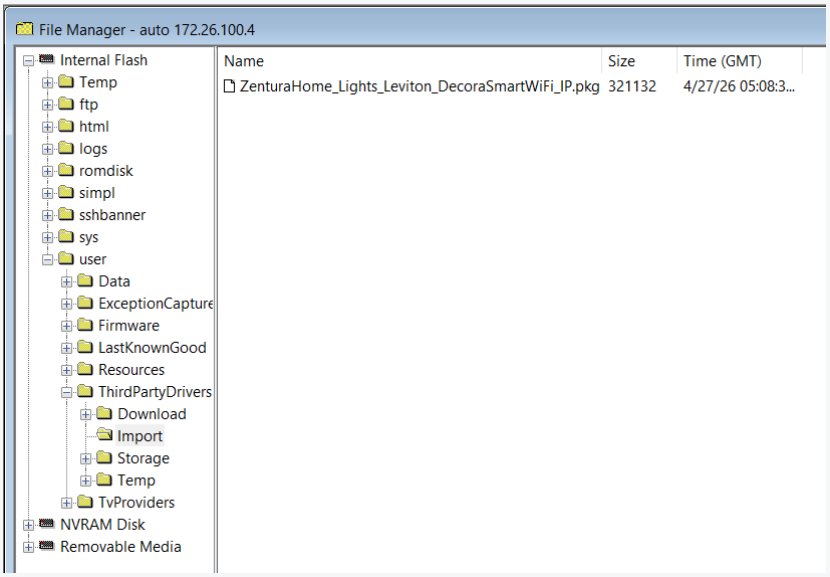
Installation/Upgrade Instructions

1. Obtain the driver package

Download `ZenturaHome_Lights_Leviton_DecoraSmartWiFi_Cloud.pkg` from https://zenturahome.com.

2. Side-load the driver onto the processor

Side-Loading the .pkg File



Copy the `.pkg` file directly to `/user/ThirdPartyDrivers/Import` on the processor using Crestron Toolbox or any SFTP client.

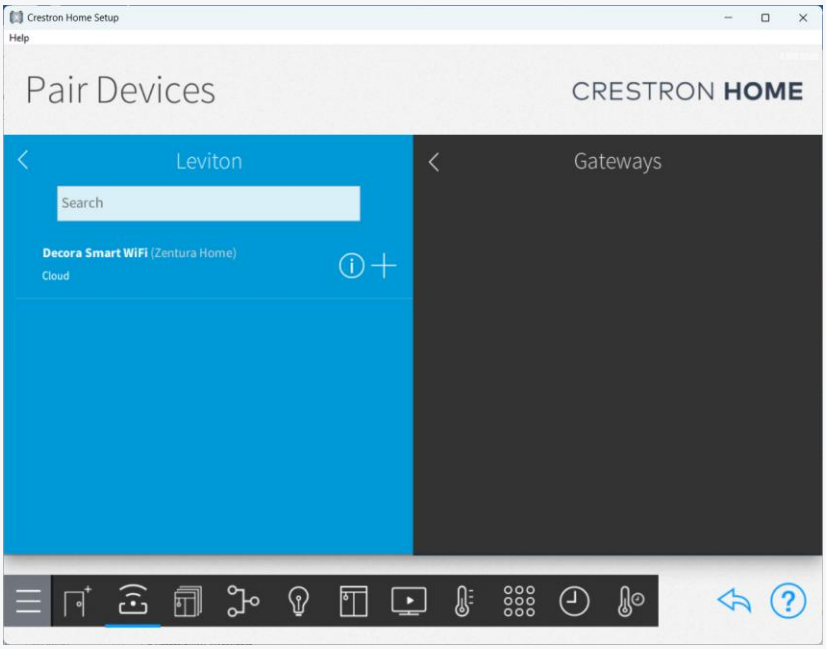
Important Note

If this is the first custom driver on the processor, refer to the current Crestron Home documentation for the exact path, or contact support@zenturahome.com.

For step-by-step side-loading instructions, see How to Install a Custom Driver on the Zentura Home support page.

3. Pair the driver in Crestron Home Setup

Pairing the Platform Driver

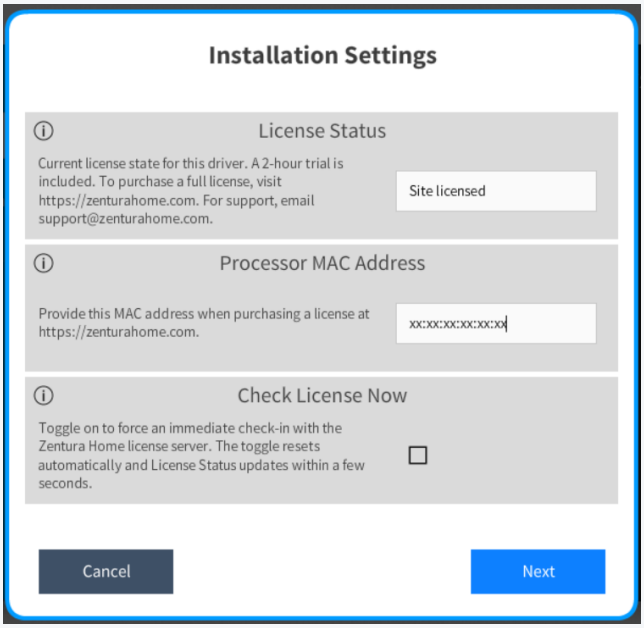


1. Open the **Crestron Home Setup** app and connect to the processor.
2. Go to **Pair Devices → Drivers → Platform → Leviton** and tap **+ / Add Device**.
3. Select the **Decora Smart WiFi** driver published by **Zentura Home**.
4. Complete the three-step configuration wizard below.

4. Complete the configuration wizard

Step 1 — License

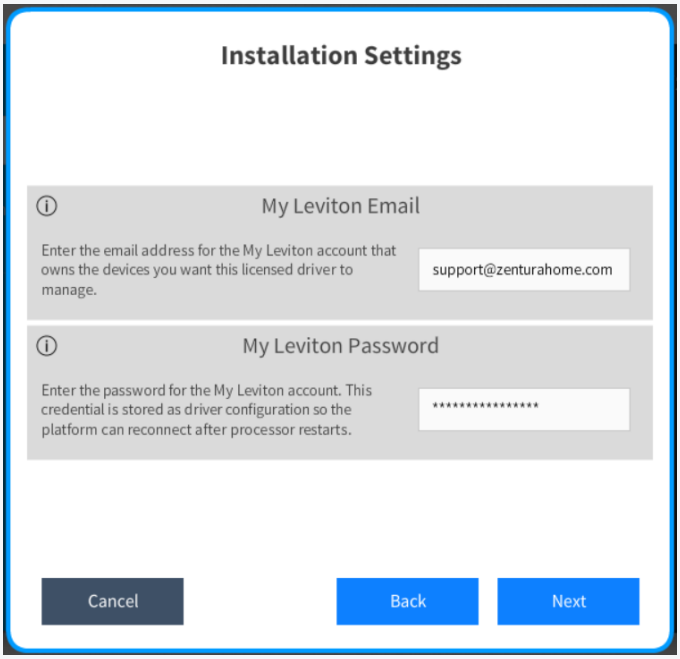
Configuration Wizard - License



Field	Action
License Status	Read-only. Shows current license state (*Trial — 1h 45m remaining*, *Licensed*, *Expired*, *Revoked*).
Processor MAC Address	Read-only. Copy this value — required when purchasing at https://zenturahome.com.
Check License Now	Toggle on to force an immediate license re-check. Resets automatically; *License Status* refreshes within seconds.

Step 2 — Cloud Authentication

Configuration Wizard - Cloud Authentication



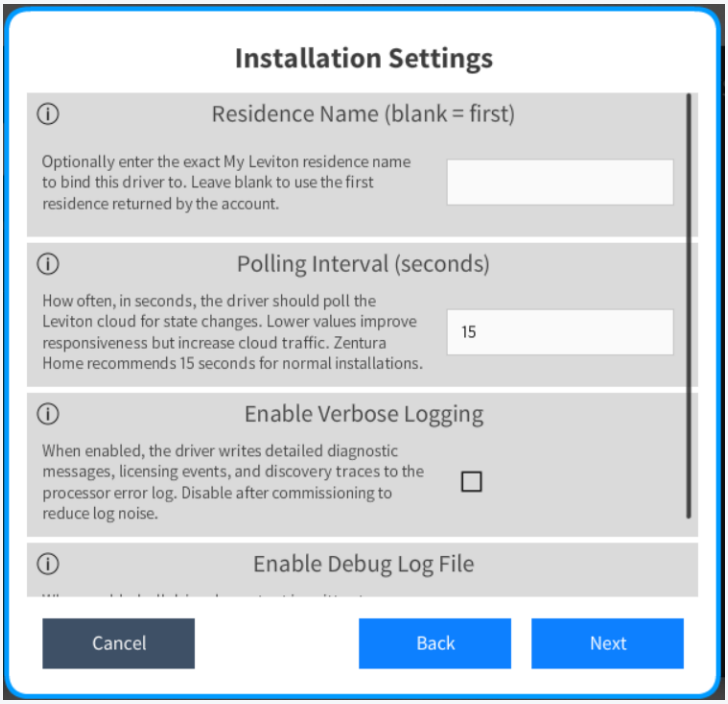
Field	Action
My Leviton Email	Required. Email address for the My Leviton account that owns the devices.
My Leviton Password	Required. Password for the same account (field is masked).

Credential Storage

Credentials are stored on the processor and used to obtain a My Leviton access token, which is refreshed automatically before expiry.

Step 3 — Settings

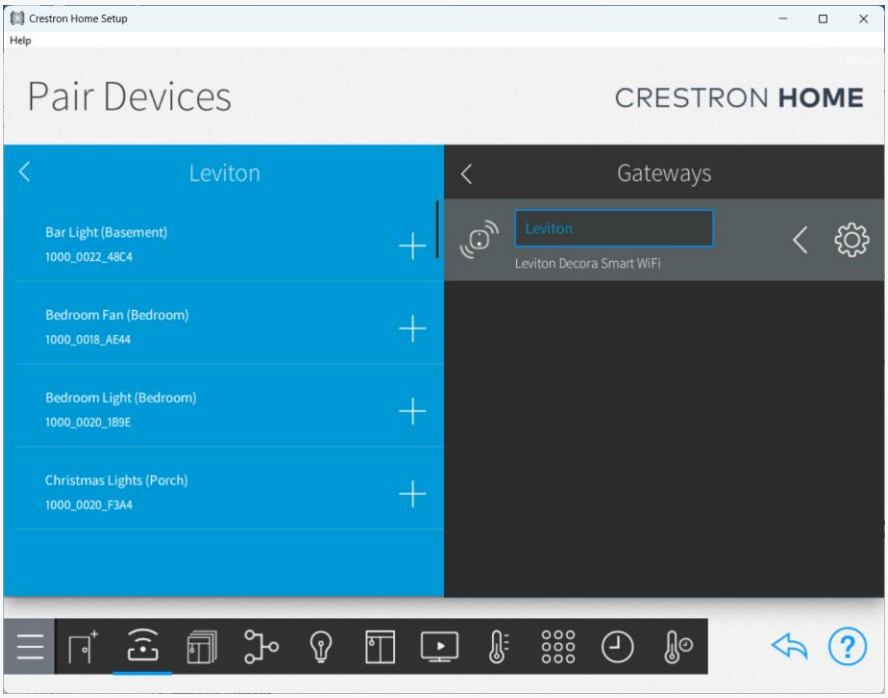
Configuration Wizard - Settings



Field	Action
Residence Name	Optional. Leave blank to use the first residence on the account, or enter the exact residence name from the My Leviton app to select a specific one.
Polling Interval	Seconds between background state polls. Default **15**, min **5**, max **300**.
Enable Verbose Logging	Adds detailed per-device discovery and polling messages to the Crestron error log. Use only while troubleshooting. Default **off**.
Enable Debug Log File	Writes log output to `/user/Data/ThirdParty/ZenturaHome/leviton-decora-driver/debug.log`. Auto-rotates at 512 KB. Default **off**.

5. Save and verify

Device Discovery and Child Devices



After saving, the driver authenticates to the My Leviton cloud, discovers all devices and scenes, and registers them as child devices ready to be assigned to rooms. Lighting and outlet devices appear on the **Lights** page; fan controllers appear as **Fan** tiles. A virtual **Leviton Scenes** child device hosts every discovered Leviton scene — see Scene Configuration below for placement and visibility.

Upgrading from an earlier version

1. Download the new `.pkg` from https://zenturahome.com.
2. Overwrite the existing `.pkg` in `/user/ThirdPartyDrivers/Import`.
3. Existing configuration and license activation are preserved.
4. Reboot the processor if Crestron Home does not pick up the new version automatically.

Licensing and Trial

The driver requires an active Zentura Home license tied to the **Crestron Home processor's MAC address**.

Trial period

- **Duration:** 2 hours of full functionality from first run.
- **During trial:** all features work — discovery, dimming, switching, fan speed, scenes, Sequences.
- **After expiry:** state polling continues, but all write/control commands are blocked until a license is activated. *License Status* shows *Expired*.

License tiers

Tier	What it covers
Individual License	This driver on **one** processor. One-time purchase, lifetime updates.
Site License	**All Zentura Home drivers** (current and future) on **one** processor. One-time purchase, lifetime updates. Recommended when multiple Zentura Home drivers are in use.

Both tiers are per-processor and non-transferable. Multi-processor projects require one license per processor. See https://zenturahome.com/terms-of-service.

How to purchase and activate

1. Copy the **Processor MAC Address** from the *License* wizard step.
2. Go to https://zenturahome.com/drivers and complete checkout. The License Key is activated immediately.
3. The driver picks up the activation automatically within 24 hours. For an immediate refresh, toggle **Check License Now** — *License Status* changes to *Licensed*.

Dealer-Facing Programmability

Each child entity exposes the following as **conditions**, **triggers**, and **actions** in Crestron Home Sequences:

- **Lights / Dimmers** — `Power`, `Brightness`, `Turn On`, `Turn Off`, `Set Level`, `Raise`, `Lower`
- **Switches / Outlets** — `Power`, `Turn On`, `Turn Off`
- **Fans** — `Fan Power`, `Fan Speed`, `Turn On`, `Turn Off`, `Toggle Power`, `Set Low / Medium / High / Max Speed`
- **Scenes** — every discovered Leviton scene is selectable as a Sequence action and from any room's **Lighting Scenes** UI (see Scene Configuration)
- **Status** — `Is Online`, connectivity warnings

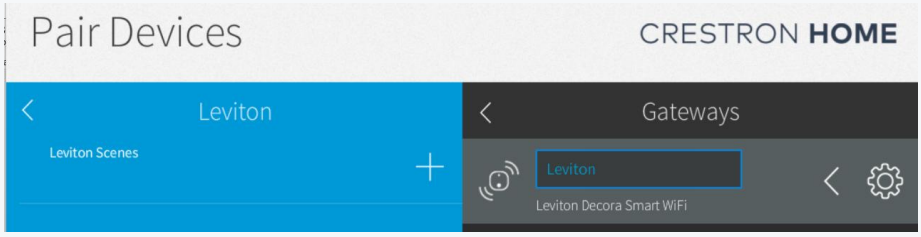
Example uses: trigger a Sequence when a specific dimmer is raised above 50%; set a fan to *Medium* as part of a *Goodnight* Sequence; activate a Leviton scene from a Crestron Home schedule.

Scene Configuration

Every Leviton residential activity ("scene") created in the My Leviton app is hosted on a single virtual child device named **Leviton Scenes**, exposed through the SDK V2 *sceneController* capability. Crestron Home surfaces these through its standard **Lighting Scenes** UI rather than as on/off light tiles.

1. Place the Leviton Scenes device

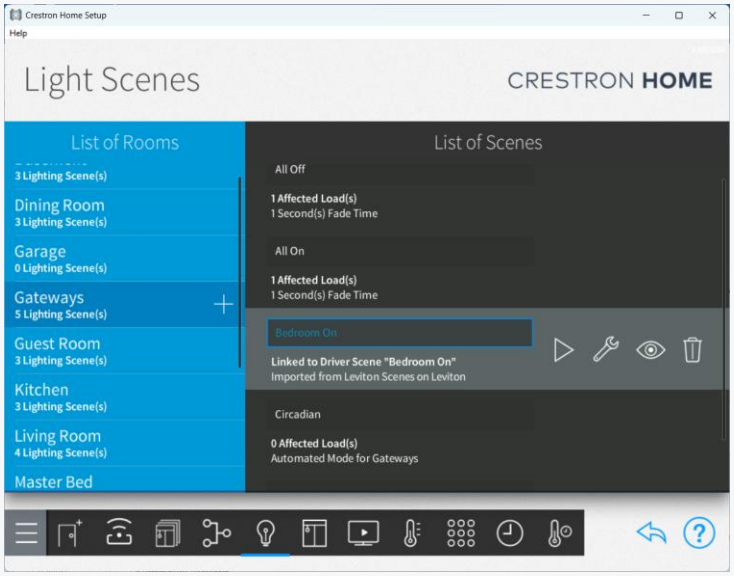
Leviton Scenes Child Device



1. In Crestron Home Setup, open **Devices**, locate the platform gateway entry (**Leviton Decora Smart WiFi**), and expand its child devices.
2. Find **Leviton Scenes** and assign it to a room. Best practice is to put it in the same room as the platform gateway (e.g. *Network Closet*, *Equipment Rack*) so it stays out of end-user UI.
3. The device itself does not produce a tile — it only carries the scene collection — so the room you pick is purely organizational.

2. Choose which rooms display the scenes

Lighting Scenes Room Configuration



1. In Crestron Home Setup, open **Rooms** and select the room where the scene should appear.
2. Open the room's **Lighting Scenes** configuration.
3. Add the desired Leviton scene (e.g. *Movie Night*) to that room's scene list. Repeat per room.

Tip

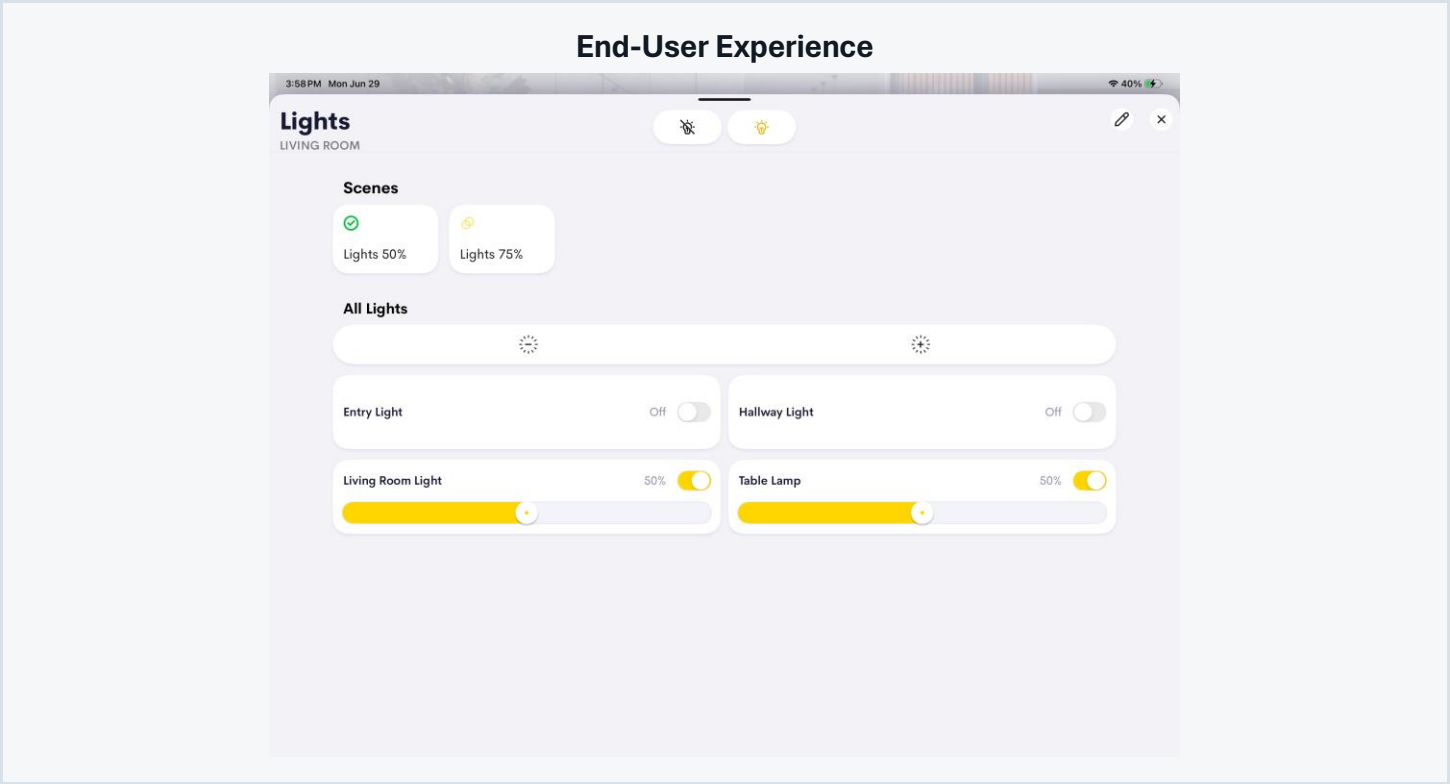
scenes keep their My Leviton names, so name them well in the My Leviton app *before* adding them to Crestron Home rooms.

Re-discovery

If you add, rename, or delete a scene in the My Leviton app, reload the driver (or wait for the next discovery cycle) to refresh the list. Scenes already added to room *Lighting Scenes* configurations pick up name changes automatically; new scenes need to be added to each desired room once.

End-User Experience

Discovered devices appear in the standard Crestron Home control pages:



- **Lights page** — Dimmers display the standard light tile with on/off toggle and brightness slider; switches display an on/off tile.
- **Fans page** — Fan controllers display a dedicated fan tile with:
  - A dynamic fan icon that rotates between *fan on* and *fan off* states
  - On/Off power buttons and discrete speed buttons (**Low**, **Medium**, **High**, **Max**)
  - Tapping the icon toggles power; tapping the tile name opens the full fan control page
- **Scenes** — Leviton scenes appear in any room's **Lighting Scenes** list once added (see Scene Configuration) and can be activated from any Crestron Home interface, added to Sequences, or triggered by schedules.

State changes made manually at the device (paddle press, My Leviton app, voice assistant) are reflected in Crestron Home within one polling interval (default 15 seconds).

Limitations / Known Issues

- **Cloud-only.** No local/LAN control. Internet or My Leviton service outages prevent control until connectivity is restored.
- **Polling-based feedback.** State changes made outside Crestron Home reflect after the next poll cycle — up to 15 seconds by default.
- **Cloud rate limits.** Very low polling intervals on large installs may trigger HTTP 429 responses from the My Leviton API. Increase the polling interval if 429 errors appear in the debug log.
- **Single residence per driver instance.** Multi-residence accounts require one driver instance per residence (each requires its own license).
- **Decora Smart Z-Wave devices are not supported.** This driver targets the Decora Smart WiFi product line that pairs with the My Leviton cloud.
- **Native fan tile is fixed.** Fan controllers use the standard Crestron Home fan tile; custom controls cannot be added by a Fan-category driver.
- **Outlets treated as light device.** Leviton Outlet devices are surfaced as a light in the Crestron Home end-user interface. They will show an on/off toggle or on/off toggle with brightness slider depending on if the device is a dimmer as well.

Supported Features

- **Auto-discovery** of all devices, rooms, and scenes from the My Leviton residence
- **Dimming** (0–100%) — Decora Smart WiFi dimmers, with set-level, raise/lower (5% step), and last-brightness recall on power-on
- **Switching** — Decora Smart WiFi switches and plug-in outlets
- **Fan speed control** — discrete OFF / LOW / MEDIUM / HIGH / MAX with last-active speed recall
- **Scene activation** — every Leviton scene available through Crestron Home **Lighting Scenes**, Sequences, and schedules
- **Background polling** — 5–300 s, default 15 s
- **Sequences** — all power, brightness, fan speed, and scene properties available as triggers, conditions, and actions
- **Licensing** — 2-hour trial, cloud activation, Check License Now
- **Diagnostics** — verbose logging toggle and debug log file (auto-rotates at 512 KB)

Test Environment

- **Crestron Home OS** 4.9
- **Crestron CP4-R**
- **Crestron Drivers SDK V2** v26.0000.0025
- **My Leviton** cloud API (production endpoint `https://my.leviton.com/api`)
- **Zentura Home** license server (`https://license.zenturahome.com`)
- **.NET Framework 4.7.2**

Validated devices: Decora Smart WiFi Dimmer (DW6HD), Switch (DW15S), Plug-in Receptacle (DW15R), Fan Speed Controller (DW4SF).

Supported Models

The driver supports any device returned by the My Leviton `iotSwitches` API. Devices are classified by model-number prefix; the following prefixes are explicitly recognized:

Category	Prefixes
Dimmers	`D26HD`, `DW6HD`, `D23LP`, `DW3HL`, `DN6HD`, `DW1KD`, `D2MSD`, `DAWDC`, `D2SL`, `DWVAA`
Switches	`DW15S` and any device that does not match a dimmer/outlet/fan prefix and reports `canSetLevel = false`
Outlets / Receptacles	`D215P`, `DW15P`, `D215R`, `DW15R`
Fan Speed Controllers	`D24SF`, `DW4SF`, `D04SF`, `ZW4SF`, `VRF01`, plus any model whose number contains `SF`

Note

Devices not explicitly listed are still imported. Classification falls back to the `customType` value from My Leviton (e.g. text containing *fan*) and finally to the `canSetLevel` flag (true → Dimmer, false → Switch). To add explicit support for a new model number, contact support@zenturahome.com.

Not Supported

Decora Smart Z-Wave (non-WiFi) models.

Version History

2.0000.0043 – Initial public release

Contact Information

Zentura Home

Website: https://zenturahome.com

Support: support@zenturahome.com

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