

1HOME CRESTRON HOME

INTEGRATION DRIVER MANUAL

V25.08.06 - OS4.6

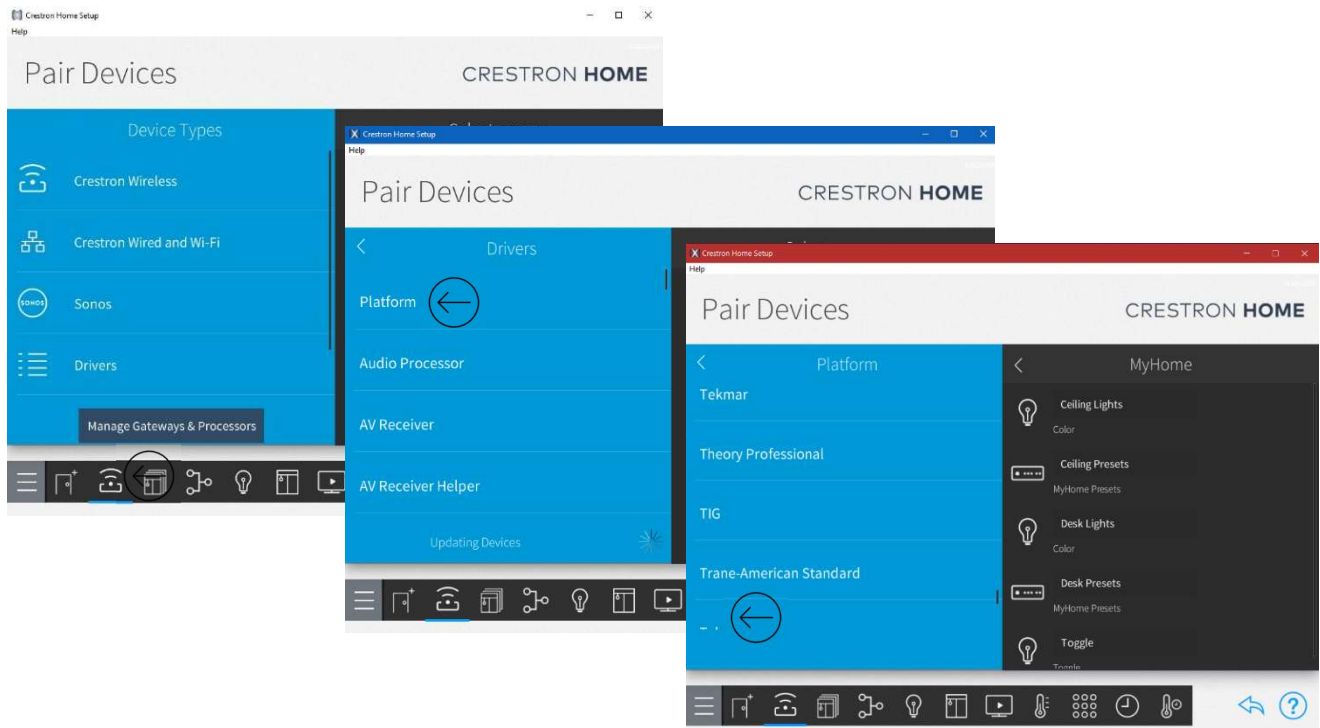


Crestron Home - a premium full feature smart home environment for luxury housing

[\(Crestron Home App Quick Start Guide\)](#)

To Install – Navigate here in Crestron CH Configurator

Device Types > Drivers > Platform > TIG > 1HOME



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What Can Be Done?

This driver enables enhanced control and monitoring of supported devices within the 1Home [KNX/Matter](#) ecosystem, leveraging the latest SDK capabilities from Crestron Home to provide a robust and sleek user-friendly experience using the Crestron Home App and OS4 connected Crestron / KNX and Matter devices.

[OS4.6](#) will be the [last supported version](#) for [Hardware Version 1](#) processors, please [upgrade](#) to [version 2](#) processors for all updates and future device [support after OS4.6](#).

All devices are built on driver framework V2 (Entity model, please refer to the release notes for all newly support features)

Hardware / Software / Firmware

[Crestron Home 4 Series Processors](#): RESIDENTIAL PROCESSORS ONLY

[HW](#): [DIN-AP4-R](#) / [MC4-R](#) / [CP4-R](#) / [PC4-R](#)

[HW](#): [V1](#) processors support [up to OS4.6](#)

[HW](#): [V2](#) processors for all updates [after S4.6](#)

[SW](#): Access to Crestron Home Configurator

[SW](#): Access to 1Home Server Dashboard

[SW](#): Access to Crestron Home Mobile App

[FW](#): CONTACT 1HOME FOR PRODUCT PURCHASE WITH LATEST FIRMWARE

[FW](#): Email -- support@1home.io

Config / Network

Ensure that [port 80](#) is accessible from the Processor to facilitate necessary standard communications, so in case the port communications between 1Home and Crestron changes, please contact 1Home and ensure the port configuration is correct if not connected. [Callback ports](#) for [3000](#), upwards, [3001](#), [3002](#) to [3010](#) should not be utilized by other servers on the network, in this case if callback communication drops, please reach out to support or allow the CH Processor priority to listen on the network for these ports.

CONFIGURING 1HOME CRESTRON HOME INTEGRATION DRIVER EXTENSION

Upon installing the driver, you will be prompted to enter the IP address of the 1HOME Server. Valid inputs should be within the IP range, such as "192.168.10.2", The Port is default 80, and further an App Token from 1Home would need to be pasted into CH in the Password field, Username can be left blank or Left with startup text.

1HOME

Devices

Integrations

Automations

Remote Access

Mobile App BETA

System

Crestron Home

Connect your 1Home devices (e.g. KNX) to Crestron Home and use the Crestron Home app to control them.

Configure

Please enter TCP/IP settings:

TCP/IP settings	Value
IP Address of 1Home	192.168.10.2
IP Port	80
User Name	This is Blank, Below Password is your API Key
Password	*****

Requires Authentication: ☒

Crestron Home Settings [Help](#)

Password
Copy this password and paste it into your Crestron Home configuration tool to connect your Crestron Home with 1Home. Copy it to 'Password' field and leave the 'User Name' empty.

cec649b7-821f-4dc5-92d4-b238a8ff1be4

Revoke

Current Callback URL: <http://192.168.10.14:3001/callback/>

Latest Connection Since: Jul 22, 2025, 10:43:12 PM

Driver Version: 25.08.06

Pair Devices

CRESTRON HOME

Device Types

Crestron Wireless

Crestron Wired and Wi-Fi

Sonos

Managed Platforms

Manage Gateways & Processors

1Home

1Home

Crestron 1Home

All Lights

[knx] - All lights

All Shutters

windowcovering [knx] - All shutters

All TH

thermostat [knx] - All thermostats

DM

1 Home Hub (KNX) - 1 Home Hub

After the Driver has been added, Navigate to **Managed Platforms**, where you will find all **Imported** devices created in 1Home on CH

Pair Devices

CRESTRON HOME

1Home

All shutters

General

Dining Room Light Sensor

Dining Room

KNX Scene 1

Default

Non-essential sockets

General

Dining Room

Ambient Light

[knx] - Dining Room Ambient Light

Color Light

[knx] - Dining Room Color Light

Dim Light

[knx] - Dining Room Dim Light

Main Light

[knx] - Dining Room Main Light

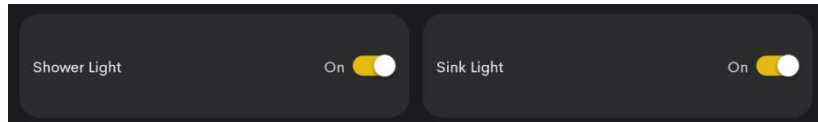
Occ

[knx] - Dining Room Occ

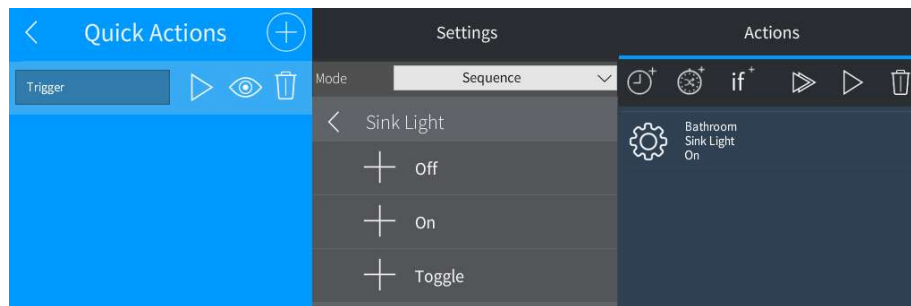
Devices can further be added here to each Room; devices will show with **icons per device type** with the room name and type identifier.

NATIVE DEVICE SUPPORT

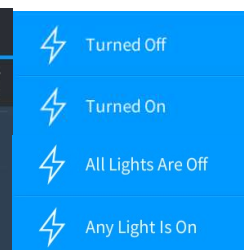
- [lighttonoff](#): Supports on/off functionality in Home OS, Scenes, Actions, Events.
- Provides basic control to turn lights on or off.
- Ideal for simple lighting systems, scenes and automation actions and events.



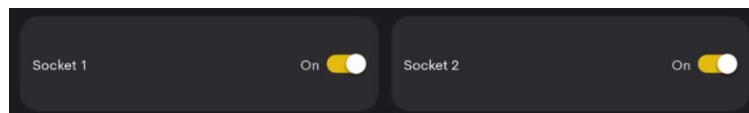
ACTIONS:



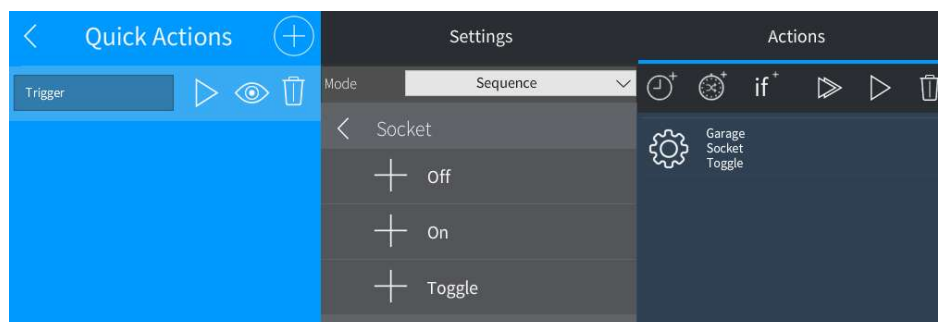
EVENTS:



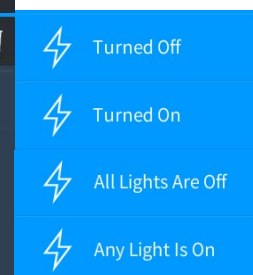
- [socketonoff](#): On/off control for sockets in Home OS, Scenes, Actions, Events.
- Enables on/off control for connected electrical devices.
- Suitable for managing power outlets and simple electrical devices.



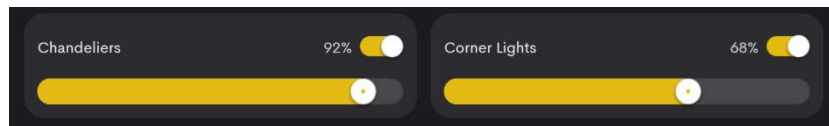
ACTIONS:



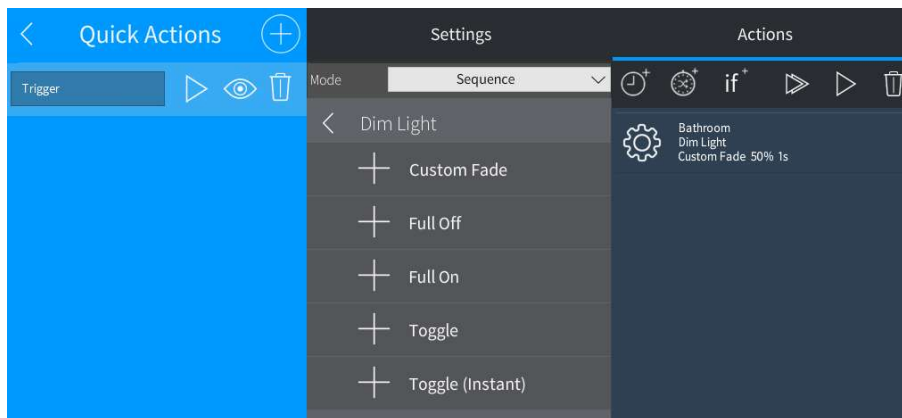
EVENTS:



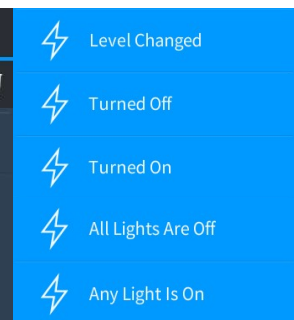
- **lightdim**: Allows dimming control in Home OS, Scenes, Actions, Events.
- Allows for dimming control to adjust the brightness of lights.
- Does not support Transition Time from within Crestron Home, dimming can only be done on KNX.



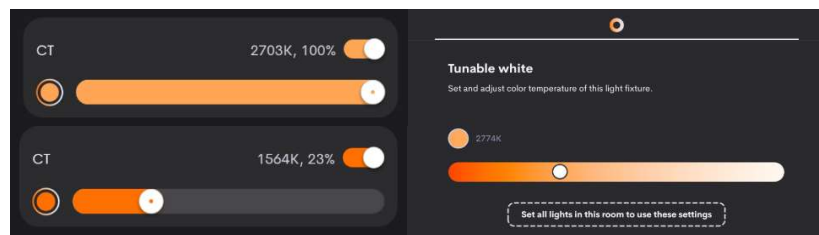
ACTIONS:



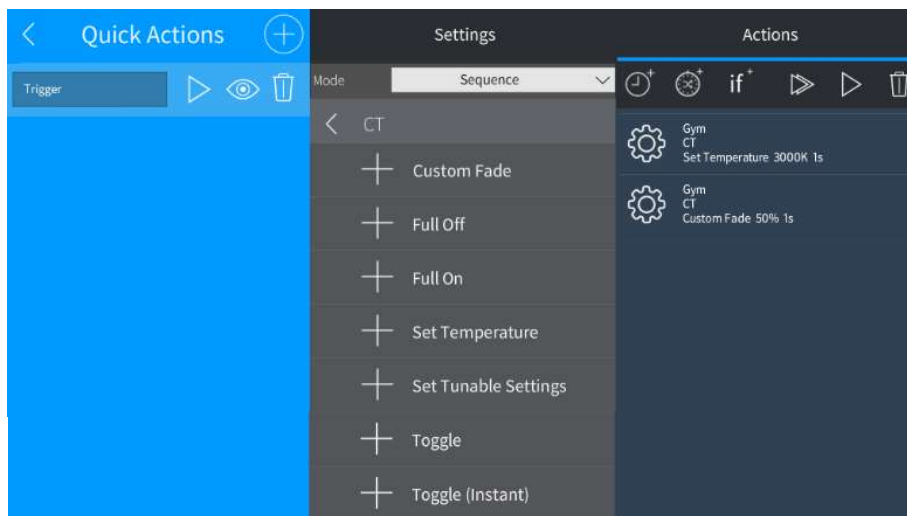
EVENTS:



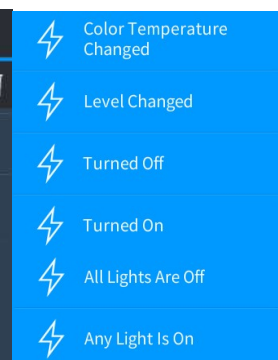
- **lighttct**: Supports color temperature control in Home OS, Scenes, Actions, Events.
- Supports adjusting the color temperature of lights, ranging from warm to cool tones.
- Enables fine-tuning of ambiance using Kelvin temperature scales.



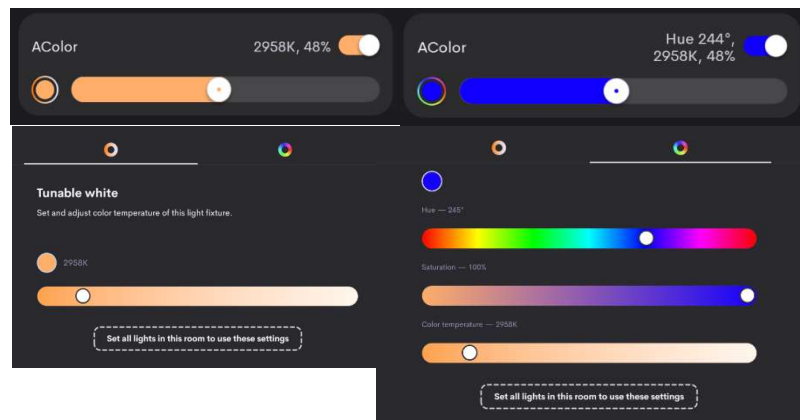
ACTIONS:



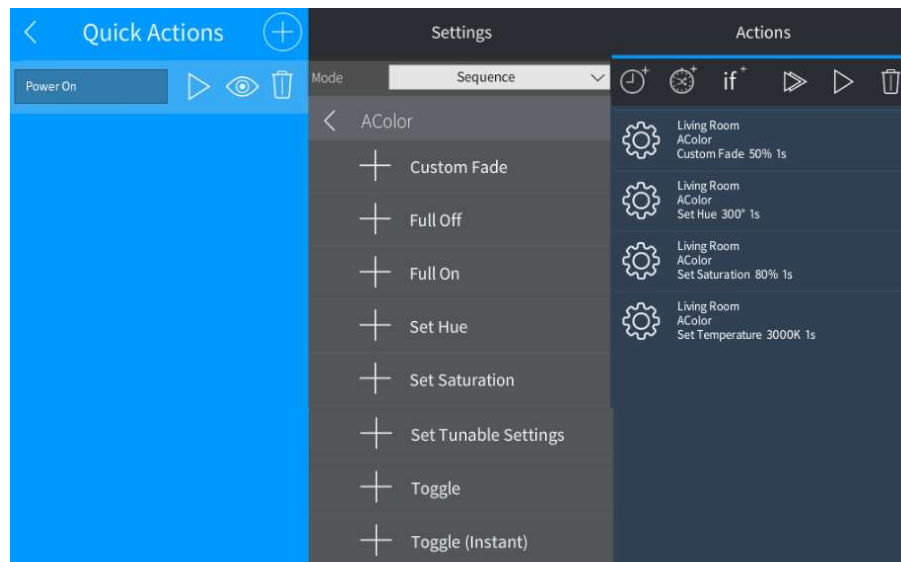
EVENTS:



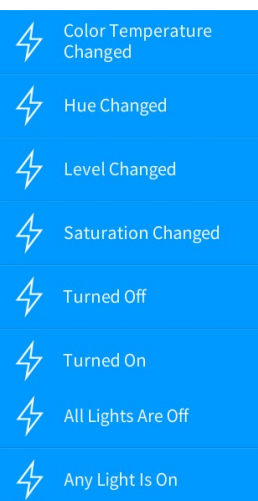
- **lightcolor**: Supports full-color control in Home OS, Scenes, Actions, Events.
- Offers full RGB color control for lighting, enabling custom color settings.
- Also supports brightness and color temperature adjustments for a comprehensive lighting experience.



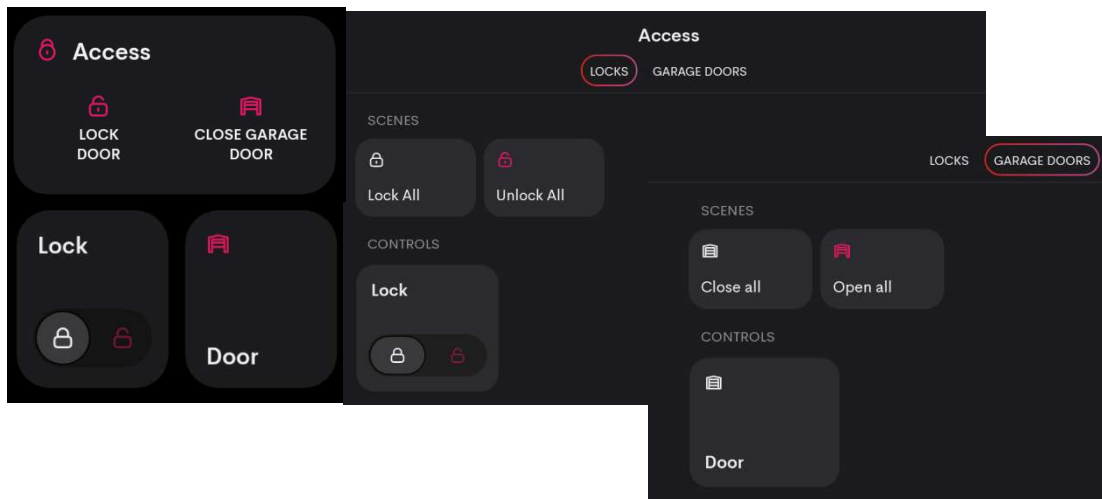
ACTIONS:



EVENTS:

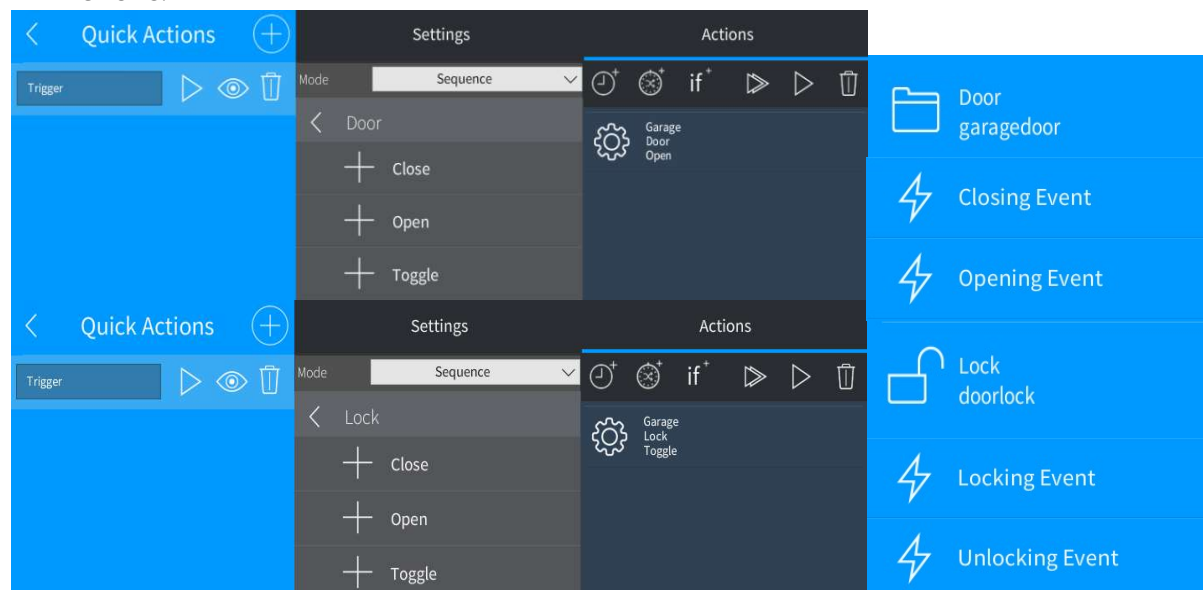


- [doorlock](#): Lock/unlock functionality in Home OS, Actions, Event.
- Provides functionality to lock or unlock doors.
- Supports secure access and status monitoring.



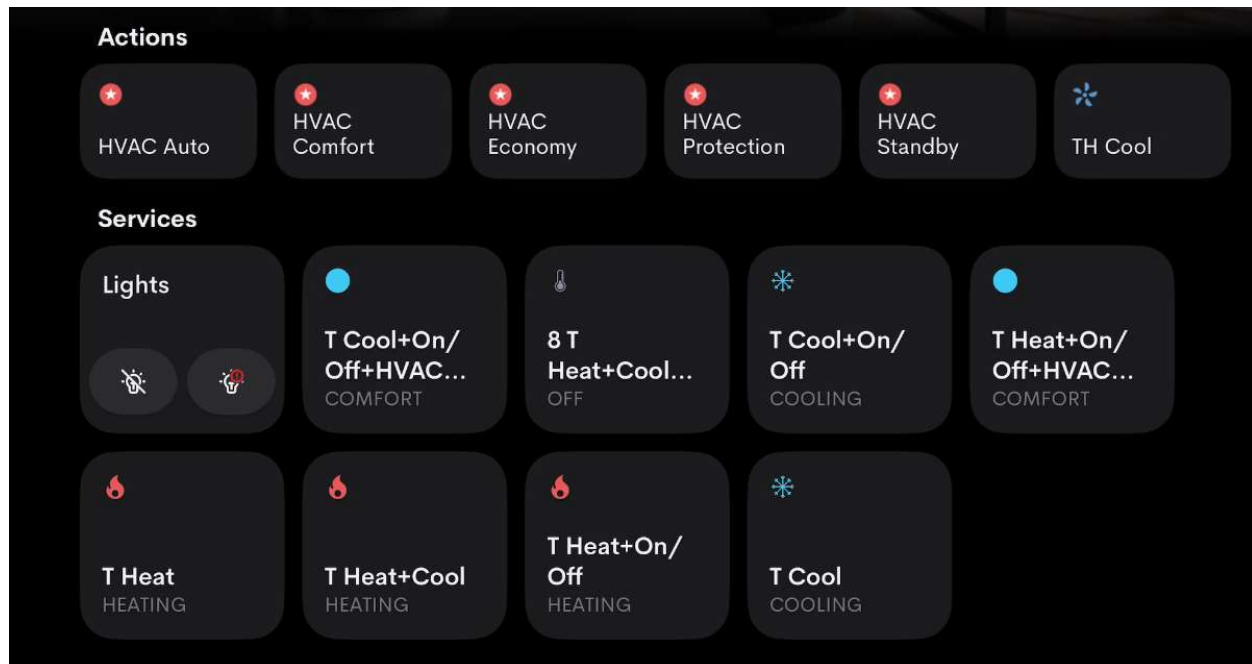
- [garagedoor](#): Open/Close functionality in Home OS, Actions, Event.
- Provides control for opening
- and closing garage doors.
- Includes status monitoring to ensure safety and proper operation.

ACTIONS:

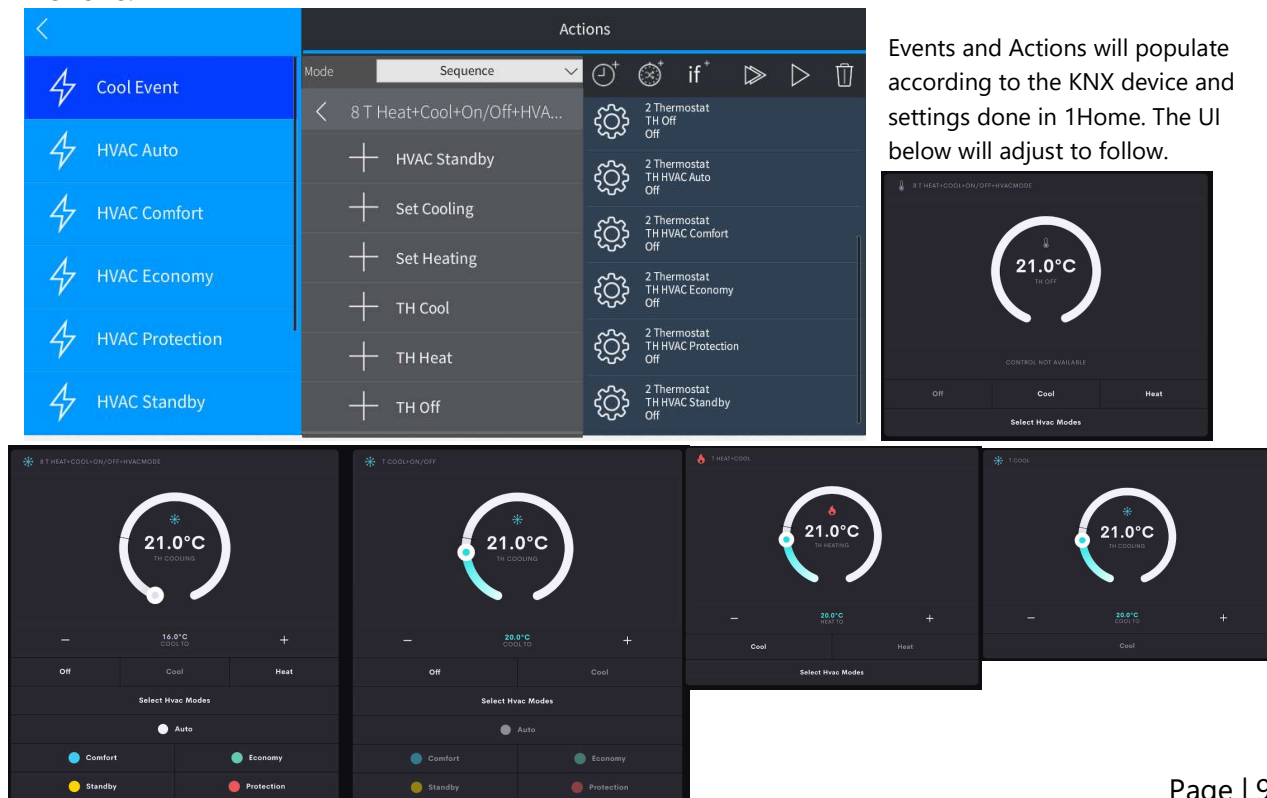


CUSTOM DEVICE SUPPORT

- **thermostat**: Manage heating and cooling setpoints, system modes (Actions, Events).
- Manages heating and cooling setpoints, mode states and HVAC operation modes.
- (Events for Thermostat and Aircon will populate dynamically according to the configuration done on 1Home)
- Supports modes such as auto, heat, and cool, and HVAC Modes for fine control over room temperature.

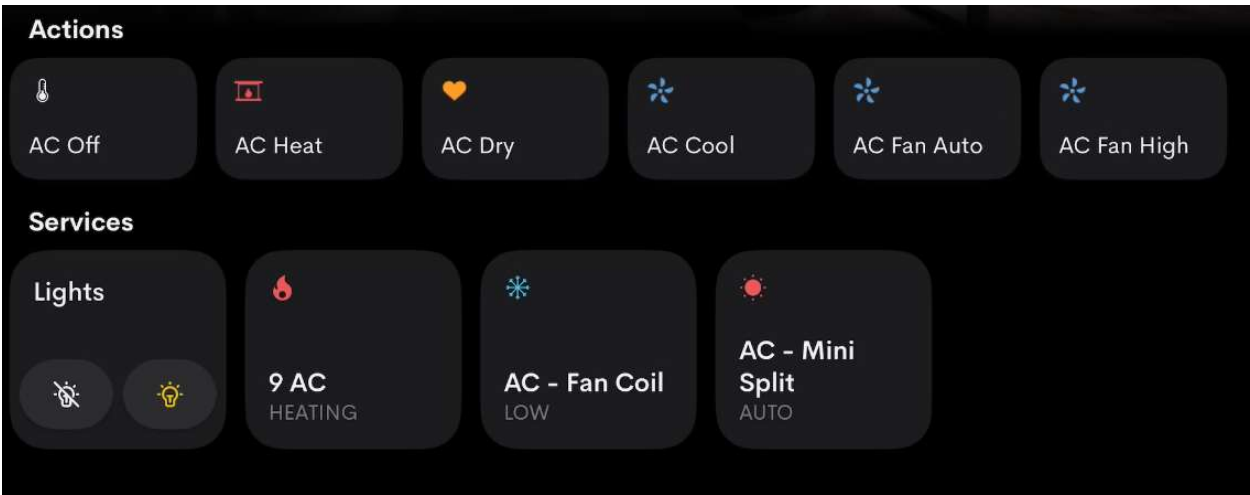


ACTIONS:

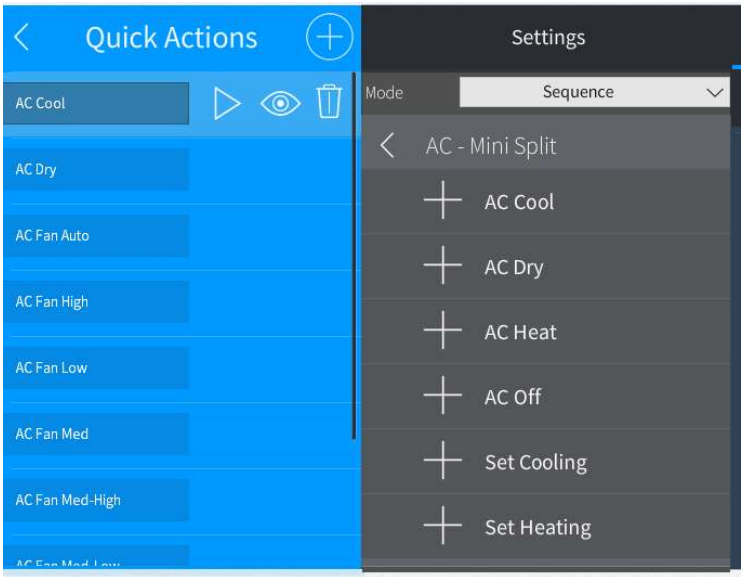


roomairconditioner: Control fan and temperature settings (Actions, Events).

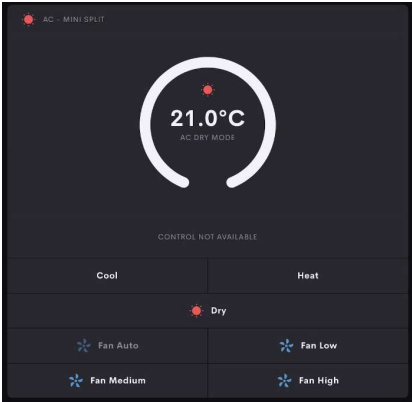
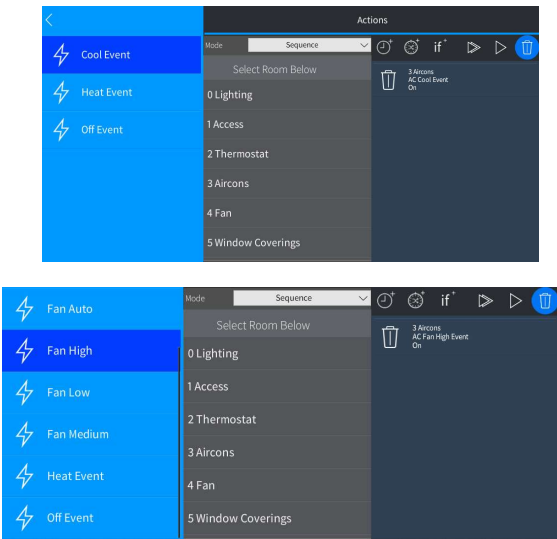
- Controls air conditioning units, including fan speed and operational modes (cool, heat, fan, dry).
- Provides real-time monitoring and adjustments for comfort.



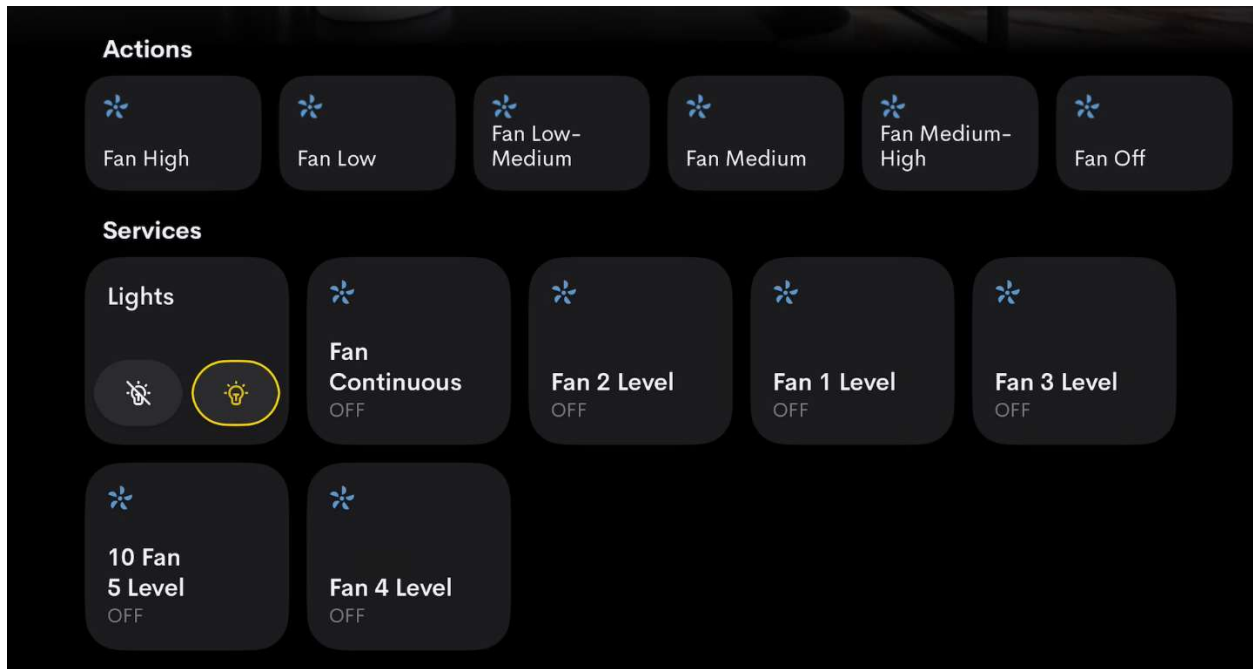
ACTIONS:



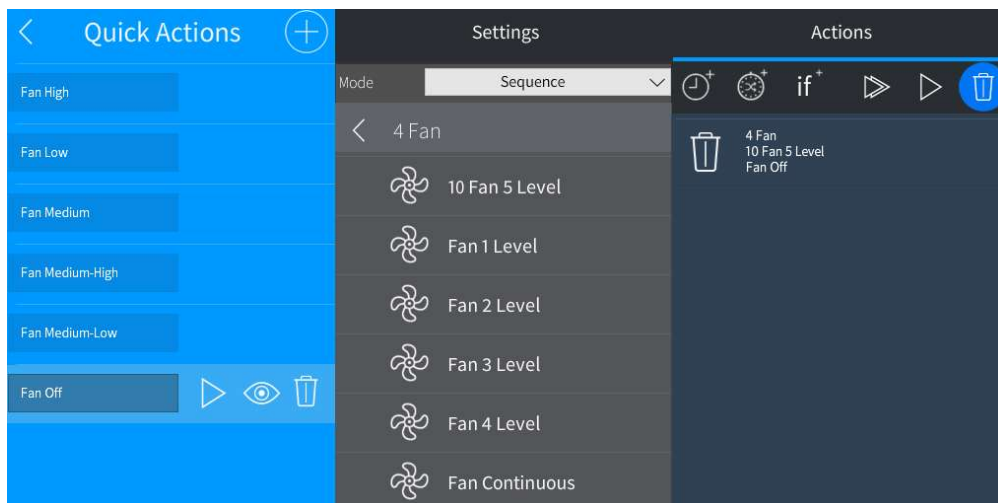
EVENTS:



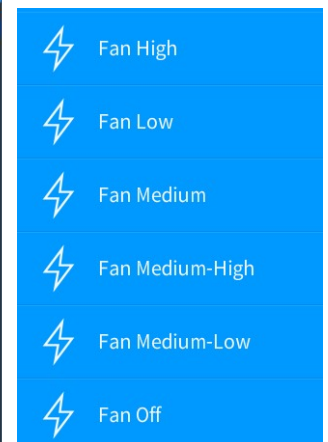
- fan: Control dedicated Fan Devices (Scenes, Actions, Events)



ACTIONS:

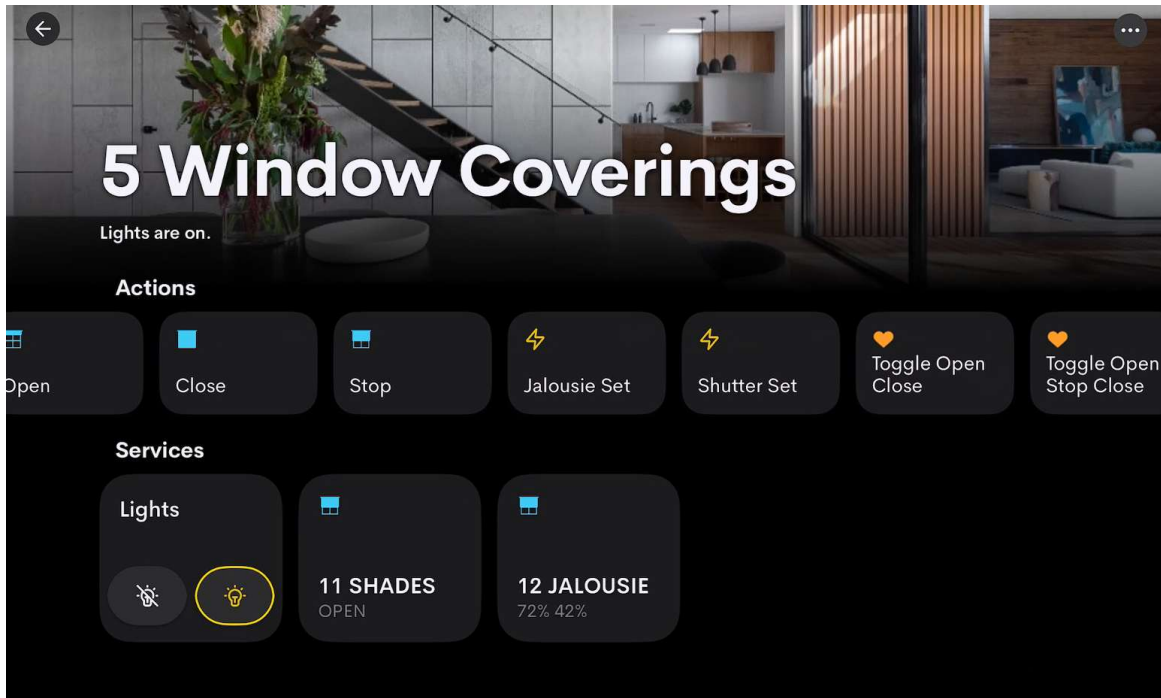


EVENTS:



Each Fan stage will have actions and events populate dynamically according to the 1Home Settings and KNX Supports.

- [windowcovering:](#)
- Enables opening, closing, and tilt control for Shutters and Jalousie Devices



11 SHADES Settings



	Visibility In Room Enable to show Tile in Room	☒
	Visibility in Home Enable to show Tile on Home Page	☐
	Advanced Shades Mode Enable advanced mode for Shades	☒

12 JALOUSIE Settings



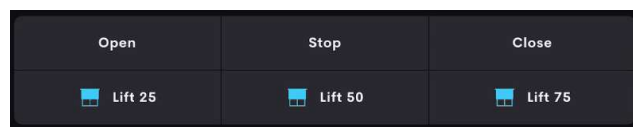
	Visibility In Room Enable to show Tile in Room	☒
	Visibility in Home Enable to show Tile on Home Page	☐
	Advanced Shades Mode Enable advanced mode for Shades	☒

Visibility In Room or In Home can be set for each using the Installer Settings Section.

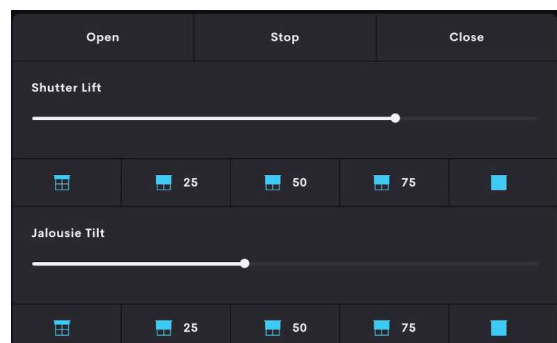
SHUTTER ADVANCE MODE: vs Basic Mode will layout the buttons for the device differently.



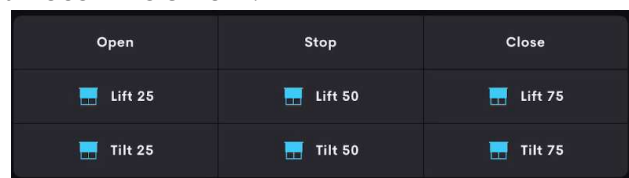
SHUTTERS BASIC LAYOUT:



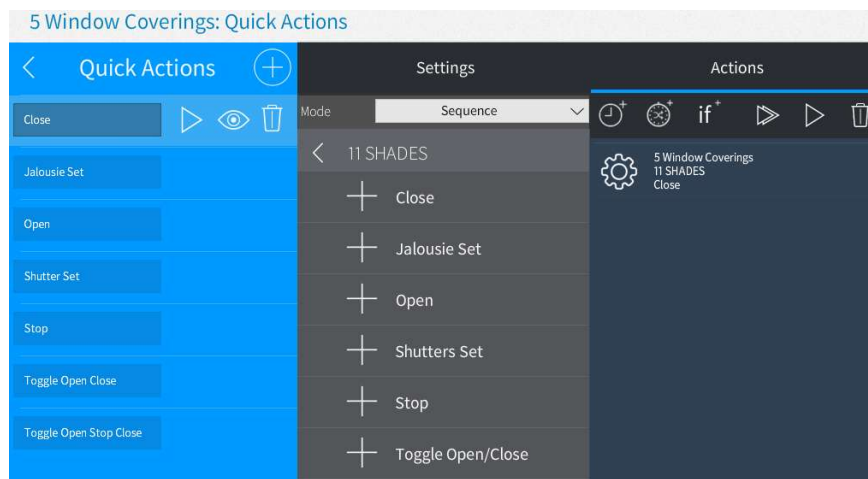
JALOUSIE ADVANCE MODE:



JALOUSIE BASIC MODE:



ACTIONS:



Use for Keypad Trigger

+ Toggle
Open/Stop/Close

Shutters Support Lift Set

Jalousie Support Tilt Set

Set target lift or tilt for each below using decimal 0 - 100



Shutters Set

setpoint

72



Jalousie Set

setpoint

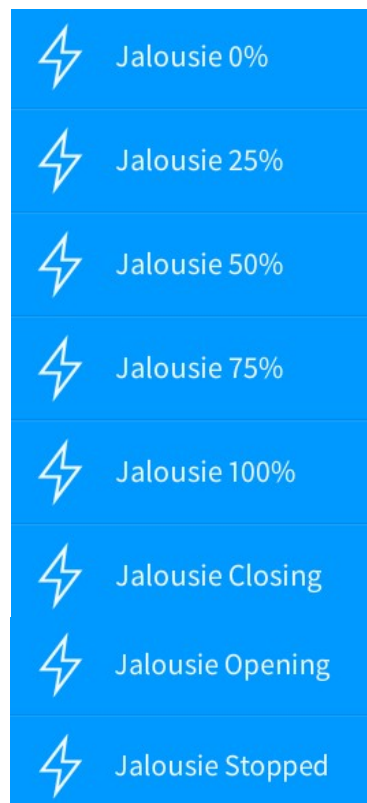
42

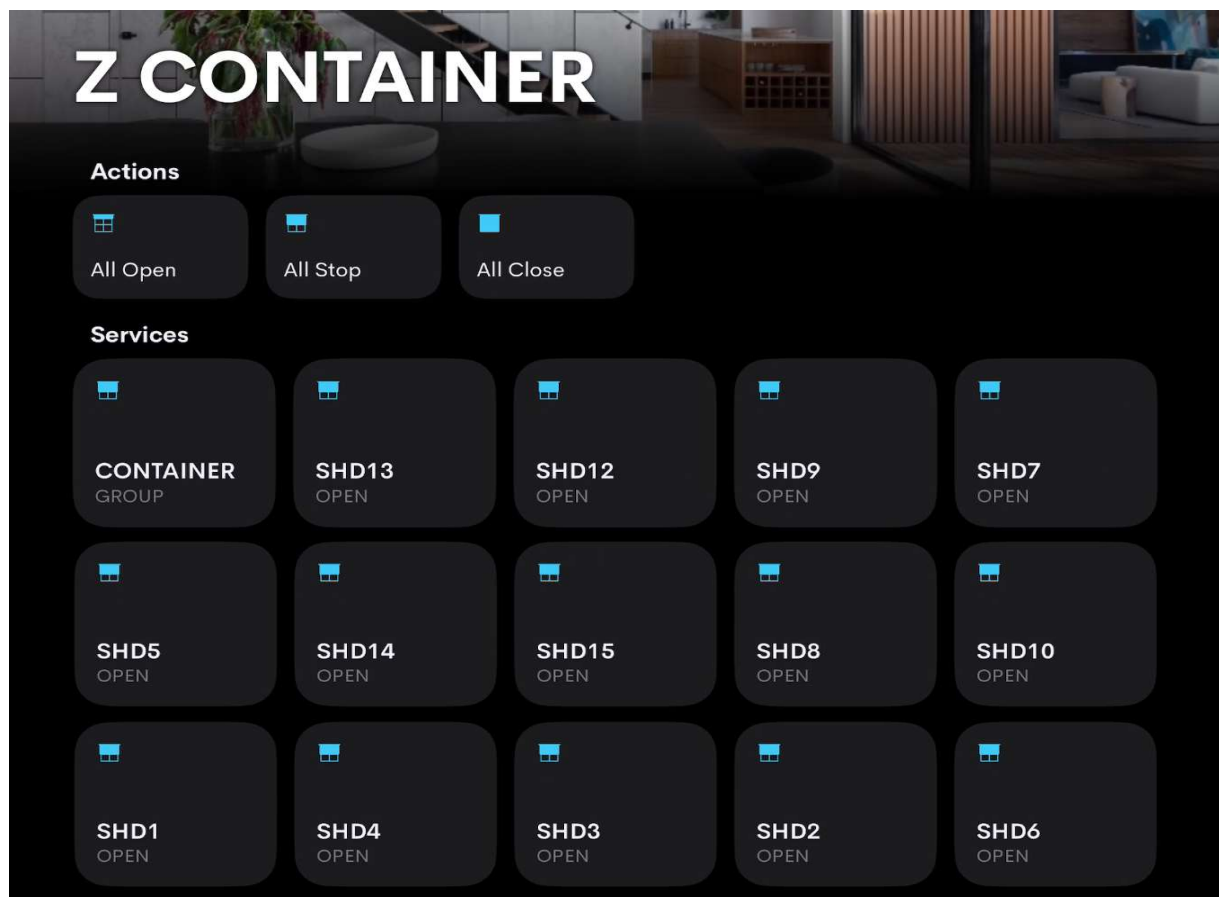
SHUTTER EVENTS: LIFT



Jalousie will show events where Lift is supported, In addition to this,
If Tilt is supported the next set of Event will be visible as seen below.

JALOUSIE EVENTS: TILT





Container Level (0 to 30) Level 0 = Is generic non-contained and Default Level 1 to 30 can be assigned to individual containers.

Container Level

Alpha V1.0.0 Set the container level for Shades (0-30)

Container Order

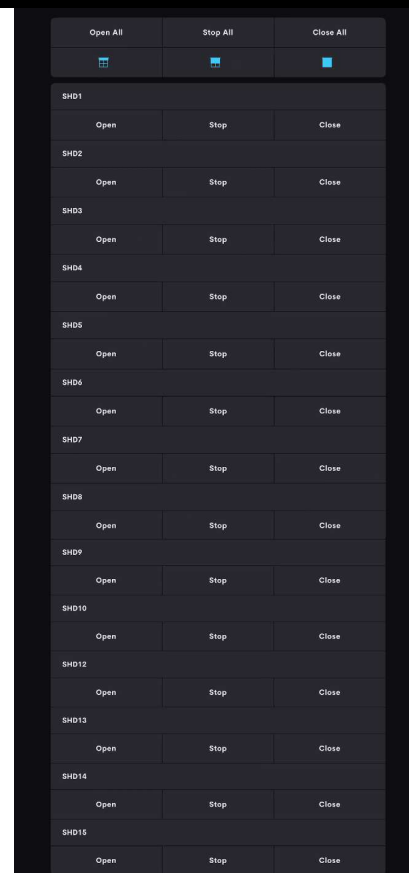
Alpha V1.0.0 Set the Order for Shades in containers

In this example all Shades 1 to 15 have been assigned to a single container. Once a device assigns, the container will be available in managed platforms [Managed Platforms](#)

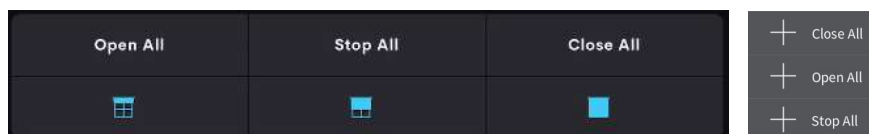
Order can then be applied per shades device, to move devices up and down the container, assigned order is from 1 to 30, 0 by default will be un-ordered 1 will be top, 30 bottom. Example SHD1 = 1 and SHD12 = 12

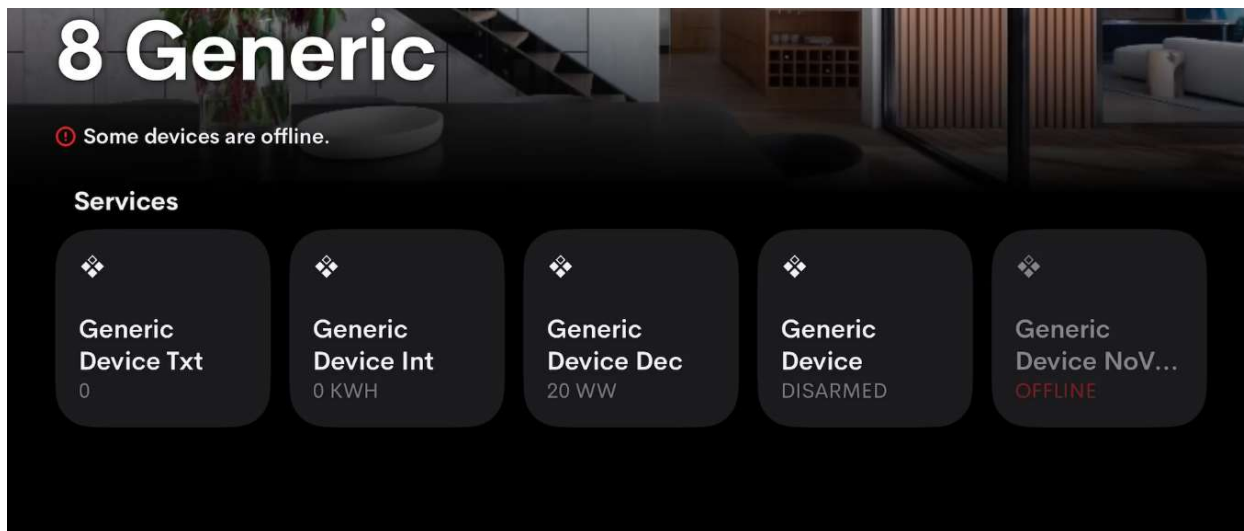
Container Order

Alpha V1.0.0 Set the Order for Shades in containers



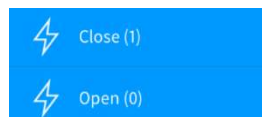
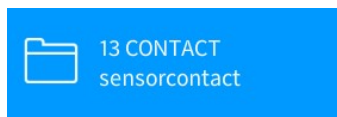
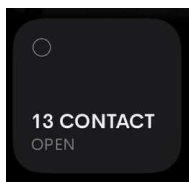
Top Level commands can be used to control all shades in the container using one button.





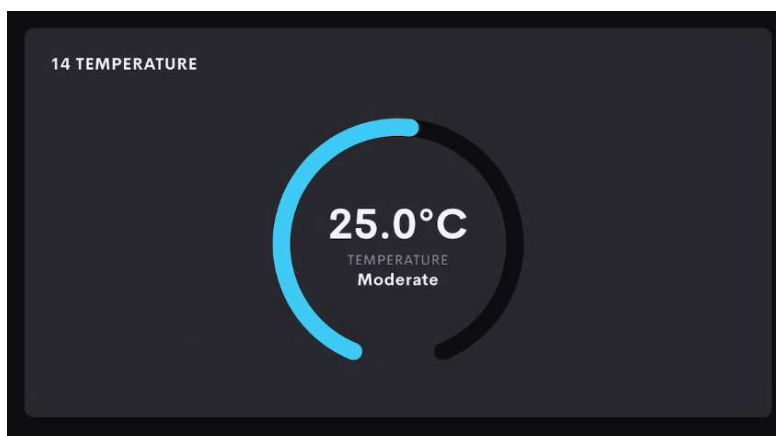
- [sensorcontact](#): Contact sensors (e.g., doors, windows) (Events)
- Detects the opening and closing state of doors, windows, or other contact points.
- Useful for security and automation triggers.

EVENTS:

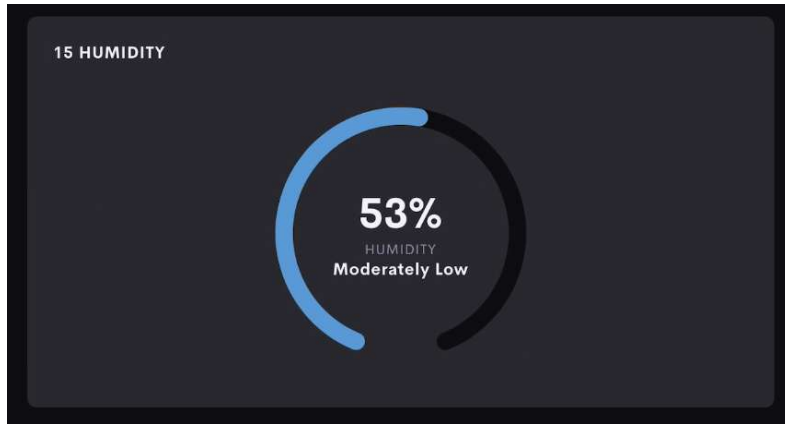


- [sensortemperature](#): Temperature sensors (Events)
- Monitors ambient temperature.
- Often integrated into HVAC systems or standalone for monitoring purposes.

EVENTS:



- [sensorhumidity](#): Humidity sensors (Events)
- Tracks humidity levels in the environment.
- Useful for climate control and air quality monitoring.



EVENTS:

⚡	Humidity 0-10%
⚡	Humidity 11-20%
⚡	Humidity 21-30%
⚡	Humidity 31-40%
⚡	Humidity 41-50%
⚡	Humidity 51-60%
⚡	Humidity 61-70%
⚡	Humidity 71-80%
⚡	Humidity 81-90%
⚡	Humidity 91-100%

- [sensorlight](#): Ambient light sensors (Events)
- Measures ambient light levels - Automation based on lighting conditions using Lux measurements.



⚡	Bright Indoor Light (301-1000 lux)
⚡	Direct Sunlight (10001-100000 lux)
⚡	Extreme Sunlight (100001+ lux)
⚡	Indirect Sunlight (5001-10000 lux)

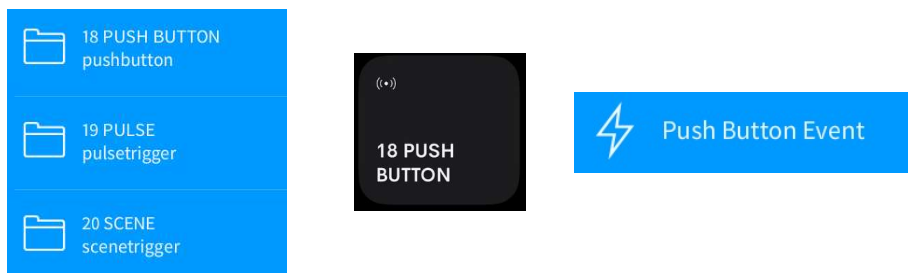
⚡	Low Light (11-50 lux)
⚡	Moderate Light (51-300 lux)
⚡	Very Bright Indoor Light (1001-5000 lux)
⚡	Very Low Light (0-10 lux)

- [sensoroccupancy](#): Occupancy detection (Events)
- Detects motion or presence in a room.
- Useful for security systems and energy-saving automation.

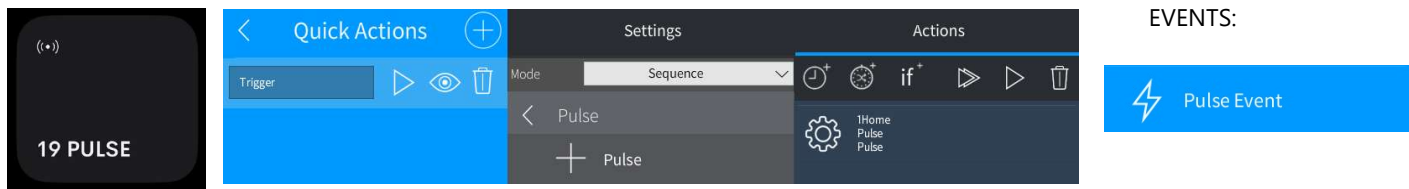


⚡	Room Occupied
⚡	Room Vacant

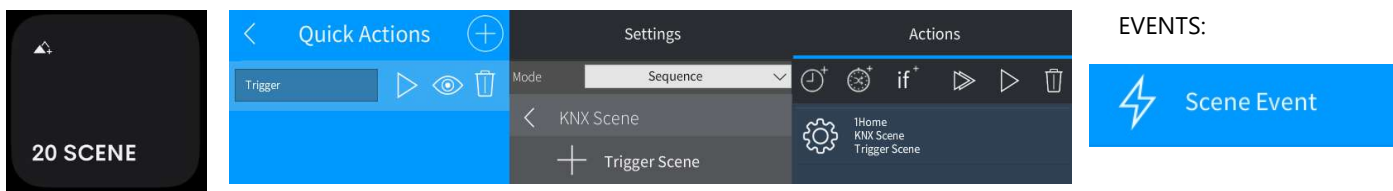
- `pushbutton`: Generic push-button support (Events Only).
- Provides functionality for manual triggers through virtual buttons. (One Way – 1Home to Crestron)



- `pulsetrigger`: Trigger for specific events (Actions, Events).
- Used to trigger specific events or actions.
- Ideal for momentary actions or temporary states.



- `scenetrigger`: Scene management and activation (Actions Only).
- Enables activation of predefined scenes or automation routines.
- Useful for quickly setting multiple devices to a desired state.



OS Notes

Latest SDK V25.0000.0033

Latest Driver Version: V25.08.06

Latest 1HOME FW: V4.1.0

Latest OS Version: OS4.006.0173

SUPPORT

Please Email Support with a Detailed Explanation of the issue, add as much detail as possible when describing the issue, with screenshots, per device and per functionality used on the device when the issue occurs, the information can be sent to either the support groups.

1. support@1home.io (For KNX Support and Driver Support)
2. driversupport@tig.eu (For internal driver support Crestron Home (DIN-KXI / CI-KNX))

25.03.10

Version: Platform Driver V25.03.10 - 1Home Firmware v3.2.1

- Multi Instance Multi Driver fix, allowing more than one Driver to be loaded for cases multiple 1Home servers would be connected to a single processor, Callback ports will auto increment with required instances allocation per added driver.
- AC Fan speed slider visibility fixes and attributes remapping.
- Auto device discovery and auto rename device

25.04.02

Version: Platform Driver V25.04.02 - 1Home Firmware v3.2.1

- Auto Deletion fix, Devices will now add and remove in complete.
- Startup time for online 70% faster.
- Visibility for Home and Room added for each device
- Added enqueue updates for startup performance on larger devices
- Open, Close and Stop support for Shades devices
- Advance and Basic layout support for Shades

25.04.20

Version: Platform Driver V25.04.20 - 1Home Firmware v3.2.1

- All Native lighting updates to combat edge cases for KNX 0 / 100% value scenarios
- HVAC Modes show and Hide functionality
- Lighting Update for Edge case with Scenes
- Container Update for Reboot States
- Shading Update for Tile Percentage States

25.08.06

Version: Platform Driver V25.08.06 - 1Home Firmware v4.1.1

- **New:** AC SupportedFanMode and FanMode new to reflect on UI and added as additional device.
- AC and TH FanPercent has been deprecated.
- **New:** AC and TH CurrentlyAvailableSystemModes supports edge case and matter scenarios
- **New:** Generic Device added to support custom readings and UI visual states
- **New:** Fan Device added to support fan controls from 1Home KNX
- Native lighting Actuator feedback support – in some cases actuators reports values after a delay causing sliders to jump and lighting to flicker, all values are now listed for update after a few seconds to combat erratic feedback behaviour and removes flickering.
- Curtains / Shades now send commands in explicit, adding support to keypad integration.
- Shades containers updated from Beta to Alpha, adding order support and dedicated regeneration “Please note upon update you will need to readd containers from Managed platform, as the container will appear offline”
- Hot Swappable and Disposal Support (“Please note drivers will not automatically go online after this update, a CH reboot will be required for all states to sync and devices to reload, this adds functionality to all future updates, which after will not require processor reboots”)
- Driver database “Faster online states and driver sync time, Estimated time 1Min/100 Devices”
- Crestron Home - Matter Device Support for 1HOME SERVER PRO
- Quality Enhancements on Device Feedback and Response in case of actuator delays.
- **New:** Door lock entity updates to allow for device sound and notifications
- PlatformManagedDevice SDK Framework upgrade for better, rename, add, remove and model support for faster deployment.

1Home device type
Light: On/Off
Light: Dimming
Light: Color Temperature
Light: Color
Thermostat
Socket: On/Off
Window Covering
Door Lock
Push Button
Sensor: Contact
Sensor: Temperature
Sensor: Light
Sensor: Occupancy
Sensor: Humidity
Air Conditioner
KNX Scene
Pulse
Garage Door