



UI Tiles – AV Solutions - Generic UI Tile - Cloud version 3.0001.0023

Driver

This release note is for the AV Solutions Generic UI Tile Extension.

Notes and Recommendations

Drivers->UI Tiles->AV Solutions->Generic UI Tile

System Requirements and Dependencies

- Crestron Home v4.007.0243
- An offline license is required for the driver to operate beyond its 2-hour trial

Introduction

This is a Simple On/Off extension driver providing straightforward on/off functionality supporting real-time feedback (through configuration) for existing Crestron Home functions. Its primary purpose is to enhance the user experience by enabling control of devices that Crestron Home does not directly support out-of-the-box, such as fans, boilers, water circulation pumps etc.

Key Features

- Flexible Viewing Options: Can be viewed at the room level, on the home page, or both, for intuitive access tailored to user preferences.
- Customization: Supports custom titles, button labels for on/off states, and custom icons (using Extension Device Icons) to match your system's branding and usability.
- Real Feedback Configuration: Enables true status feedback from devices, ensuring the UI reflects actual on/off states rather than just sending commands.
- State Persistence: Automatically saves and loads driver state upon processor reboot, ensuring seamless recovery of on/off statuses and configurations.
- Quick Actions Integration: Supports Crestron Home Quick Actions to update tile states from global shortcuts, enhancing accessibility and one-tap automation.

Installation/Upgrade Instructions

Installation Settings

(i) License Key

Obtain a license key from <https://mylicensingwebsite.com>. The driver operates in trial mode for 2 hours without a key

(i) Display In Home Page

Show The Tile In The Home Page

(i) Display In Room

Show This Tile On A Room Level

- License Key: Required for indefinite use; without it, the driver enters a 2-hour trial mode.
- Display In Home Page: Leave checked to show the tile on the home page. Uncheck to hide
- Display In Room: Leave checked to show the tile on a room level. Uncheck to hide

Installation Settings



Persist State To NVRAM

Enable This Option To Save The Tile State To NVRAM,
Allowing The State To Be Restored After Processor
Reboot



Instance Name (Required For Multi-Instance)

Enter A UNIQUE Name For This Driver Instance (e.g.,
'Instance1', 'Instance2', 'Instance3'). IMPORTANT: Each
Driver Instance Must Have A Unique Name For State
Persistence To Work Correctly.



Main Page Title

Enter Title For The UI Tile

- Persist State To NVRAM: Enables state saving/loading to non-volatile RAM for recovery after reboots or power loss
- Instance Name: Unique identifier for state persistence. When using this driver multiple times on a processor, assign a unique value to each instance. This value ensures the correct state is loaded from NVRAM after a power loss, if the Persist State To NVRAM option is enabled.
- Main Page Title: Custom Title for the page once tile opens.

Installation Settings



Icon Keys

The icon Keys Can Be Found At This Link

<https://sdkcon78...>



On icon

Enter The icon Key For The On status

icGenericDeviceOn



Off icon

Enter The icon Key For The Off status

icGenericDeviceOff

- Icon Keys: The link takes you to the website with all the Icon Keys supported by Crestron SDK.
- On Icon: Enter the desired Icon Key for the Active/On Status.
- Off Icon: Enter the desired Icon Key for the Inactive/Off Status.



On status

Enter Text Representing The On status

On



Off status


Enter Text Representing The Off status

Off

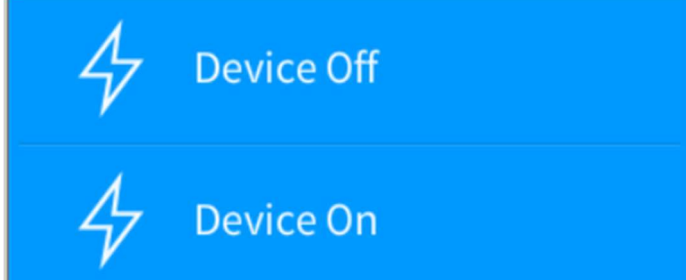
- On Status: Enter the desired text representing the Active/On Status.
- Off Status: Enter the desired text representing the Inactive/Off Status.

Actions & Events

- Actions

	<ul style="list-style-type: none">• Set State On/Off: This action sets the state of the tile to Active/On & Inactive/Off. This action is typically set to true by the controlled device feedback when it turns on and vice versa. This keeps the tile synchronized with the controlled device.• Set State Toggle: Toggles Between the two states.
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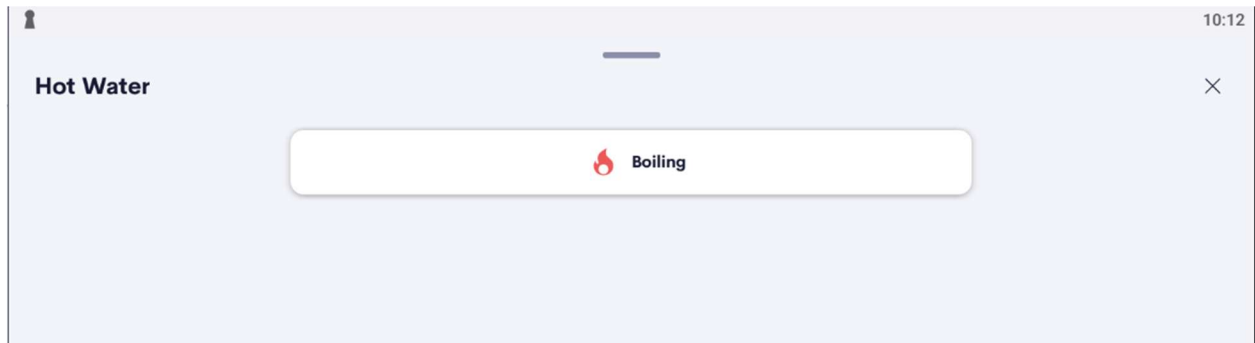
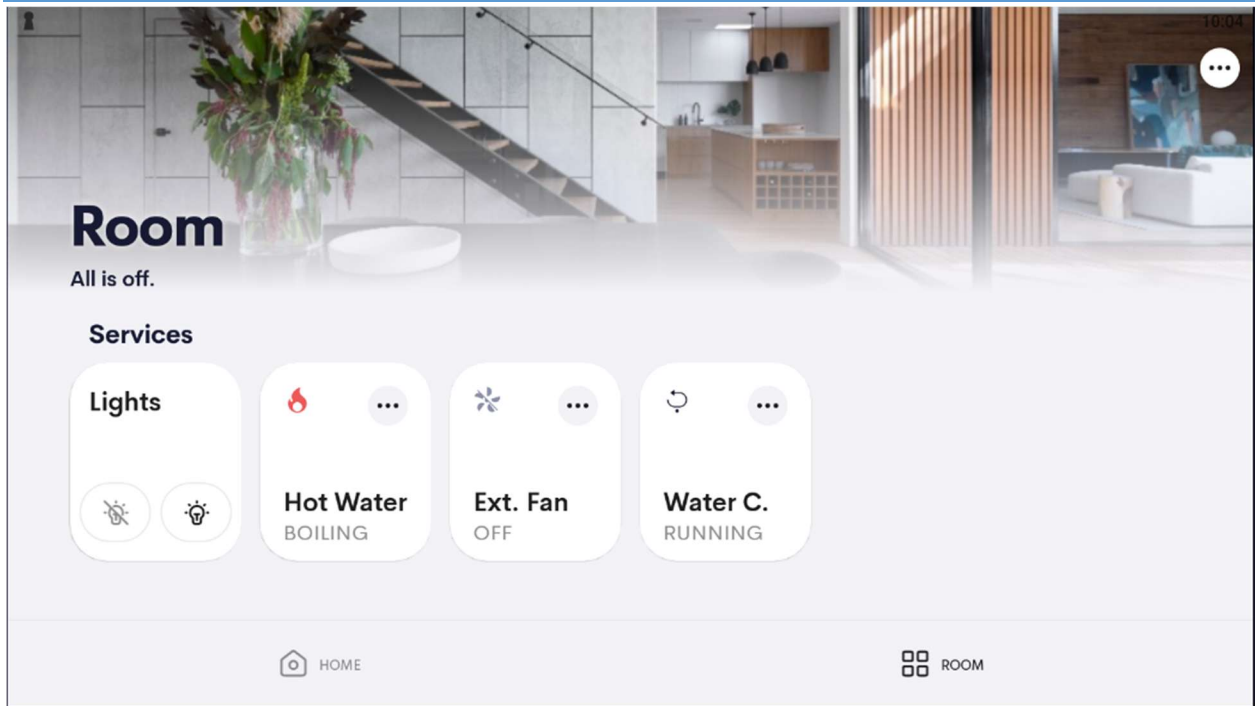
- Events

	<ul style="list-style-type: none">• Device Off: This Event should be set to turn the controlled device off• Device On: This Event should be set to turn the controlled device on
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Setup Guide: Device Control and Synchronization

Now that the driver is added and the basic parameters are set, you are able to configure it to efficiently control other devices (e.g., via events and actions), update the driver's status based on the controlled device's feedback to keep everything fully synchronized and create Quick Actions for related operations. This ensures bidirectional communication—your tile not only sends commands but also reflects real-world states

End-User Experience



Test Environment

- Crestron Home v4.007.0243

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Version History

3.0001.0023

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