



UI Tiles – AV Solutions – Multi Toggles Tile - Cloud

version 2.0000.0010

Driver

This release note is for the AV Solutions Multi Toggles Tile Extension.

Notes and Recommendations

Drivers->UI Tiles->AV Solutions-> Multi Toggles Tile

System Requirements and Dependencies

This driver requires the following minimum software versions and dependencies:

- Crestron Home v4.010.0260
- An offline license is required for the driver to operate beyond its 2-hour trial

Introduction

This UI extension driver provides the integrator with the ability to add up to 30 toggles within a single tile. The tile can be typically used to simplify the users' experience by consolidating on/off states and toggle functions that would otherwise require multiple quick actions or separate tiles scattered around the UI. Each toggle can be configured to support real-time state feedback (through configuration) for existing Crestron Home functions, allowing the user to see immediately which functions are active. Its primary purpose is to enhance the users' experience by enabling monitoring and toggling of multiple devices or functions under a single tile.

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 up to 30 toggles under a single tile with custom labels.
- Real Feedback Configuration: Enables true status feedback from devices, ensuring the UI reflects actual on/off states for each toggle individually rather than just sending commands, by setting a distinct icon for each toggle's active and inactive states.

- **State Persistence:** Automatically saves and loads driver state upon processor reboot, ensuring seamless recovery of active/inactive statuses and configurations.
- **Quick Actions Integration:** Supports Crestron Home Quick Actions to update toggle states from global shortcuts, enhancing accessibility and one-tap automation.

Installation/Upgrade Instructions

Installation Settings

License Key

Obtain a license key from your provider. The driver operates in trial mode for 2 hours without a key.

Enter License Key Here

Display In Home Page

Show this tile on the Home page. ☒

Display In Room

Show this tile at the 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

The screenshot shows a configuration interface for a tile, divided into three sections. Each section has an information icon (i) in the top left corner. The first section, 'Persist State To NVRAM', contains the text 'Save the toggle states so they are restored after a processor reboot.' and a checked checkbox. The second section, 'Page Main Title', contains the text 'Title shown on the tile's inner page.' and a text input field with the value 'Multi Toggles'. The third section, 'Icon Keys', contains the text 'The icon keys can be found at this link.' and a text input field with the value 'https://sdkcon78...'. A vertical scrollbar is visible on the right side of the configuration area.

- Persist State To NVRAM: Enables state saving/loading to non-volatile RAM for recovery after reboots or power loss
- Page Main Title: Custom Title for the page once tile opens.
- Icon Keys: The link takes you to the website with all the Icon Keys supported by Crestron SDK.

The screenshot shows a configuration interface for a tile, divided into three sections. Each section has an information icon (i) in the top left corner. The first section, 'Tile Active Icon', contains the text 'Icon key shown on the tile when ANY toggle is ON.' and a text input field with the value 'icGenericDeviceOn'. The second section, 'Tile Inactive Icon', contains the text 'Icon key shown on the tile when ALL toggles are OFF.' and a text input field with the value 'icGenericDeviceOff'. The third section, 'Number Of Toggles', contains the text 'The quantity of toggles to display (1-30).' and a text input field with the value '5'. A vertical scrollbar is visible on the right side of the configuration area.

- Tile Active Icon: Enter the desired Icon Key for the icon to be shown on the tile when active.
- Tile Inactive Icon: Enter the desired Icon Key for the icon to be shown on the tile when inactive.
- Number of Toggles: Enter the number of toggle buttons to be shown inside the tile.

Toggle 1 Name

Enter the label for toggle 1.

Toggle 1

- **Checkbox x Name:** Enter the desired text representing the toggle button.

Actions & Events

- **Actions**

Mode Sequence < Multi Toggles + Multi Toggles All Off + Multi Toggles All On + Tgl 01: Toggle 1 Set State	• Multi Toggles All Off: Triggers the Multi Toggles All Off Event • Multi Toggles All On: Triggers the Multi Toggles All On Event • Toggle x Set State: Sets the state of the toggle
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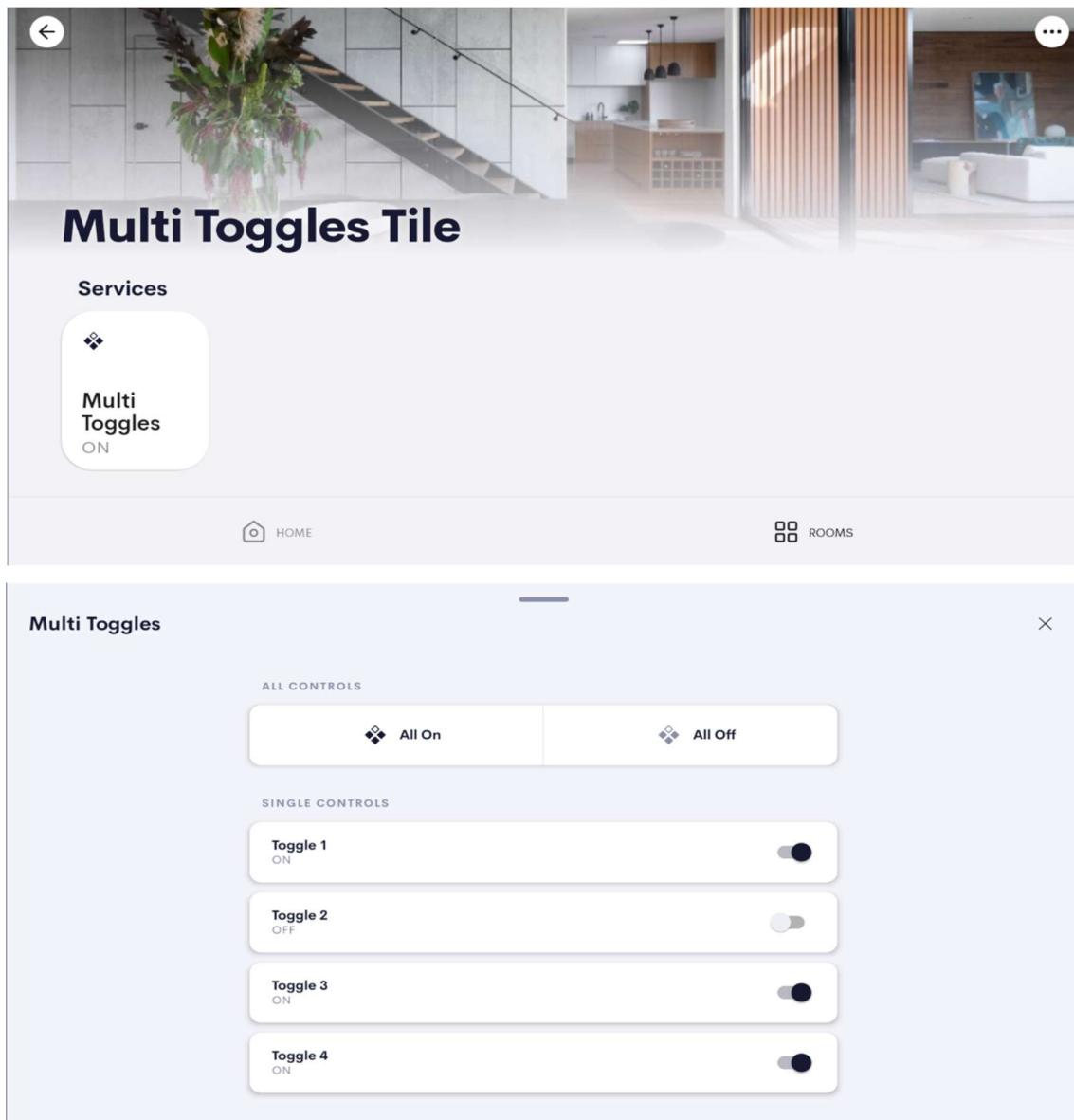
- **Events**

Multi Toggles All Off Multi Toggles All On Tgl 01: Toggle 1 Off Tgl 01: Toggle 1 On	• Multi Toggles All Off: Set Event to trigger whenever the All Off button is pressed • Multi Toggles All On: Set Event to trigger whenever the All On button is pressed • Toggle x On: Set Event to trigger whenever toggle x is switched on • Toggle x Off: Set Event to trigger whenever toggle x is switched off
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Setup Guide: Device Control and Synchronization

Now that the driver is added and basic parameters are set, you can configure it to efficiently control other devices (e.g., via events and actions), update the toggle buttons state 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 when a toggle button is toggled but also reflects real-world states.

End-User Experience



Limitations/Known Issues

- A single tile supports up to 30 toggles.
- Toggle flips are stateless triggers: flipping a toggle fires its On or Off event but does not, on its own, change the toggle's displayed state. To make a toggle hold its position, wire its On/Off event to the matching Toggle x Set State action (see the Setup Guide).
- All On and All Off fire only the aggregate events; they do not change the individual toggle states. Wire them to the per-toggle Set State actions to switch every toggle at once.
- Lowering Number of Toggles hides the higher-numbered toggles and removes their Actions & Events; any automation bound to a hidden toggle's events is dropped. Renaming a toggle is safe — its automations bind by a stable ID and survive renames.
- Saved state survives a processor reboot but is reset when the driver package is upgraded.
- The tile's aggregate status reflects only the toggles currently shown; a hidden toggle cannot hold the tile On.

Supported Features

- Set controlled devices On/Off
- Synchronize tile state depending on the controlled device feedback

Test Environment

- Crestron Home v4.010.0260

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Version History

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