



UI Tiles – AV Solutions – Multi Checkbox Tile - Cloud

version 2.0000.0015

Driver

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

Notes and Recommendations

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

System Requirements and Dependencies

This driver requires the following minimum 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 checkboxes 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 checkbox can be configured to support real-time state feedback (through configuration) for existing Crestron Home functions, allowing the user to see at a glance 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 checkboxes under a single tile with custom labels.
- Real Feedback Configuration: Enables true status feedback from devices, ensuring the UI reflects the actual on/off state of each checkbox individually rather than blindly sending commands. Configurable active and inactive icons let the tile show, at a glance, which functions are currently on.

- **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 checkbox 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

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Persist State To NVRAM

Save the checkbox states so they are restored after a processor reboot.

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Page Main Title

Title shown on the tile's inner page.

Multi Checkbox

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Icon Keys

The icon keys can be found at this link.

<https://sdkcon78...>

- 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.

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Tile Active Icon

Icon key shown on the tile when one or more checkboxes are checked.

icGenericDeviceOn

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Tile Inactive Icon

Icon key shown on the tile when no checkboxes are checked.

icGenericDeviceOff

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Number Of Checkboxes

The quantity of checkboxes to display (1-30).

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- 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 Checkboxes: Enter the number of checkboxes to be shown inside the tile.

	Checkbox 1 Name
Enter the label for checkbox 1.	Checkbox 1
	Checkbox 1 Checked Label
Secondary label shown for checkbox 1 when it is checked.	Checked
	Checkbox 1 Unchecked Label
Secondary label shown for checkbox 1 when it is unchecked.	Unchecked

- **Checkbox x Name:** Enter the name/label shown beside this checkbox.
- **Checkbox x Checked Label:** Enter the desired text representing the Active/On Status.
- **Checkbox x Unchecked Label:** Enter the desired text representing the Inactive/Off Status.

Actions & Events

- **Actions**

Mode	Sequence	
<	Multi Checkbox Tile	
+	Chk 01: Checkbox 1 Press Trigger	• Checkbox x Press Trigger: Triggers the Checked/Unchecked Event
+	Chk 01: Checkbox 1 Set State	• Checkbox x Set State: Sets the state of the checkbox

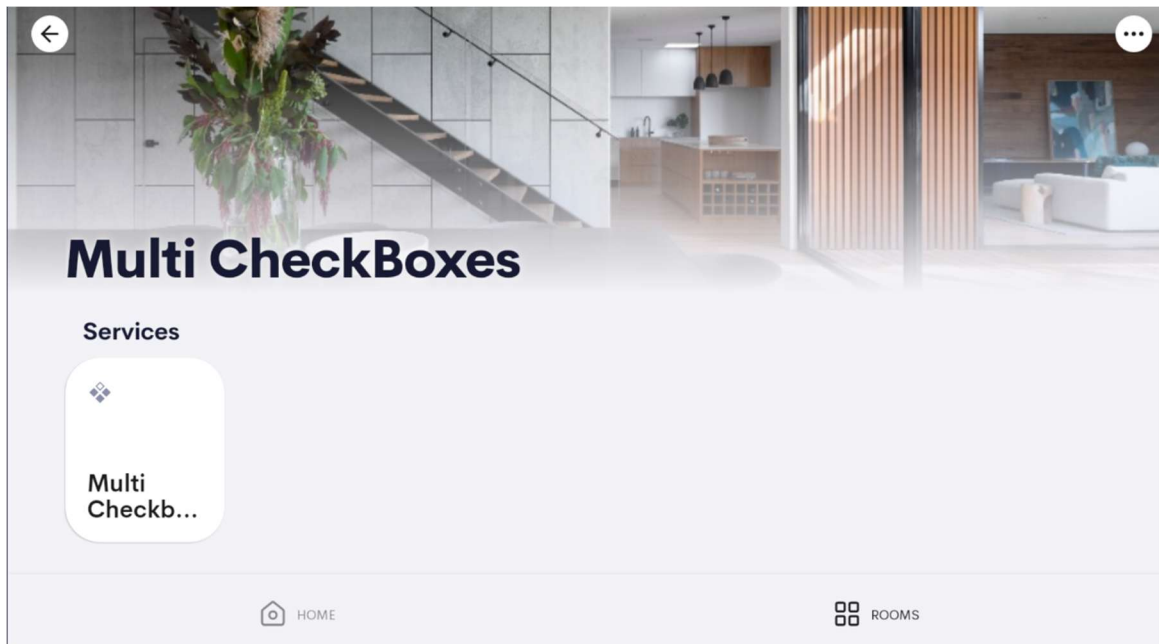
- **Events**

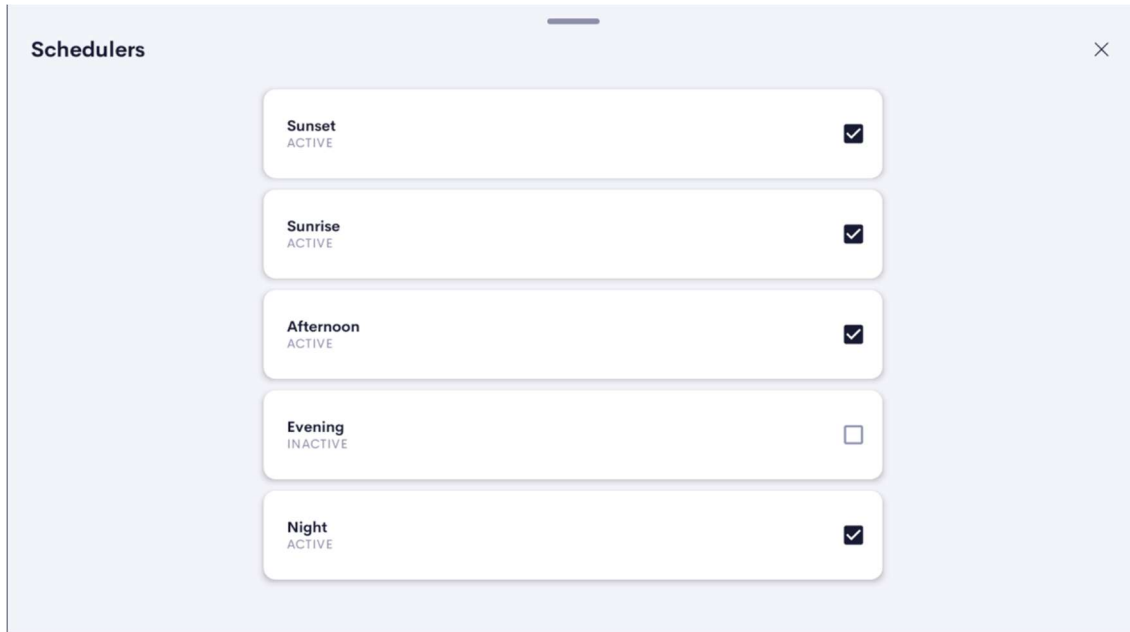
	Chk 01: Checkbox 1 Check Press	• Checkbox x Check Press: Set Event to trigger whenever the checkbox is checked
	Chk 01: Checkbox 1 Uncheck Press	• Checkbox x Uncheck Press: Set Event to trigger whenever the checkbox is unchecked

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 checkboxes 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 checkbox is toggled but also reflects real-world states.

End-User Experience





Limitations/Known Issues

There are no known issues at this time. Note the following by-design behaviors: a maximum of 30 checkboxes is supported per tile; tapping a checkbox fires its Check/Uncheck Press event but does not change the checkbox state on its own – wire the event to the checkbox’s Set State action, or drive it from the controlled device’s feedback, for the tile to reflect the real state; and reducing the Number of Checkboxes also removes any automation bound to the checkboxes that are hidden.

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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