



# Control Programming LLC

## Release Notes

UI Tile – Control Programming LLC – List Toggle - Cloud  
version 4.0

### Extension

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This release note is for the CPLL UI Tile list toggle Extension. This extension is for UI purposes only and must be “wired” to the actual hardware for control.

The extensions can be configured to respond to the tile being clicked. Clicked once it toggles on, clicked again it toggles off. It can also be configured to require a PIN code to be entered before allowing the toggle to be toggled.

Allowable Crestron Home icons can be found at

[https://sdkcon78221.crestron.com/sdk/Crestron\\_Certified\\_Drivers\\_SDK/Content/Extension-Device-Icons.pdf](https://sdkcon78221.crestron.com/sdk/Crestron_Certified_Drivers_SDK/Content/Extension-Device-Icons.pdf)

### Notes and Recommendations

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Drivers->UI Tiles->Control Programming->Toggle

### System Requirements and Dependencies

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Crestron Home v4.0

This extension requires that the License Manager (<https://cpllc.net/product/license-manager/>) must also be installed on the processor.

# Operation Installation/Upgrade Instructions

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## Installer Options

 <b>Obtain License Key</b> Clicking the link, on the right, takes you to CPLLC.net where license keys can be obtained. A purchased license key is required to be entered ...	<a href="http://CPLLC.net">CPLLC.net</a>
 <b>Enter License Key</b> A purchased license key must be obtained by clicking the above link and entered here. The extension will function 100% without a license key ...	<input type="text"/>
 <b>Show on Home Screen</b> Checked to show on Home screen. If checked, the Tile Clickable and Only Tile Display settings will be ignored. Crestron Home down ...	<input type="checkbox"/>
 <b>Show in Room Screen</b> Checked to show in Room screen	<input checked="" type="checkbox"/>
 <b>Starting Pin Code</b> Enter initial numeric PIN code. Leave blank to disable P...	<input type="text"/>
 <b>Seconds Pin Active</b> Number of seconds before the Pin code expires and needs to be reentered	<input type="text" value="10"/>
 <b>Tile Icon</b> Icon Used for the Tile	<input type="text" value="icSpa"/>
 <b>Page Header Text</b> Page Header Title Text	<input type="text" value="List of Toggles"/>

**Obtain License Key** – clicking on “CPLLC.net” will bring up the webpage to purchase a license.

**Show in Home Page** – checked if the tile should be displayed on the home page.

**Show on Room Page** – checked if the tile should be displayed in the room.

**Starting PIN Code** – Starting PIN numeric code. Leave it blank if PIN not required.

**Seconds Pin Active** – number of seconds the entered Pin code is active before needing to reenter the Pin code.

**Tile Icon** – Icon to display on the Room/Home tile.

**Page Header Text** – Text displayed on the button selection page.

There can be up to 10 different toggles controlled via this extension. For each toggle the following configuration will be provided.

<b>Toggle 01 Description</b> Descriptive button text. If button is not being used, leave blank	Alpha
<b>Toggle 01 Button Clickable</b> If checked, pressing the list button will toggle the state. If unchecked, an additional page would be displayed with discreet buttons to ...	<input checked="" type="checkbox"/>
<b>Toggle 01 Auto Enabled</b> If checked, auto termination timer will be available	<input type="checkbox"/>
<b>Toggle 01 Only Display Feedback</b> If checked, feedback shown would only come from the feedback Actions. If unchecked, feedback displayed would be based on the L...	<input type="checkbox"/>
<b>Toggle 01 On Icon</b> Icon to display when toggled On	icLightsOnRegular
<b>Toggle 01 On Text</b> Text to display on the UI On button	White
<b>Toggle 01 On Feedback</b> Feedback to display when toggled On	White
<b>Toggle 01 Off Icon</b> Icon to display when toggled Off	icLightsOffRegular
<b>Toggle 01 Off Text</b> Text to display on the UI Off button	Black
<b>Toggle 01 Off Feedback</b> Feedback to display when toggled Off	Black

**Toggle XX Description** – text in this field will be used for the button text. If the button is not being used leave blank

**Toggle XX Button Clickable** – if checked the room/home tile can be clicked to cause the toggle. If checked the PIN code and control pages will be disabled.

**Toggle XX Auto Enabled** – if checked the end user would be able to select an auto off timer setting.

**Toggle XX Only Display Feedback** – if checked the feedback can only come from a sequence input. If unchecked feedback will come from the last selected UI button and/or programmatic on/off.

**On Icon** – Icon to be used for “On” state.

**On Button Text** – Text for “On” Button.

**On Feedback Text** – Text to display for “On” feedback.

**Off Icon** – Icon to be used for “Off” state.

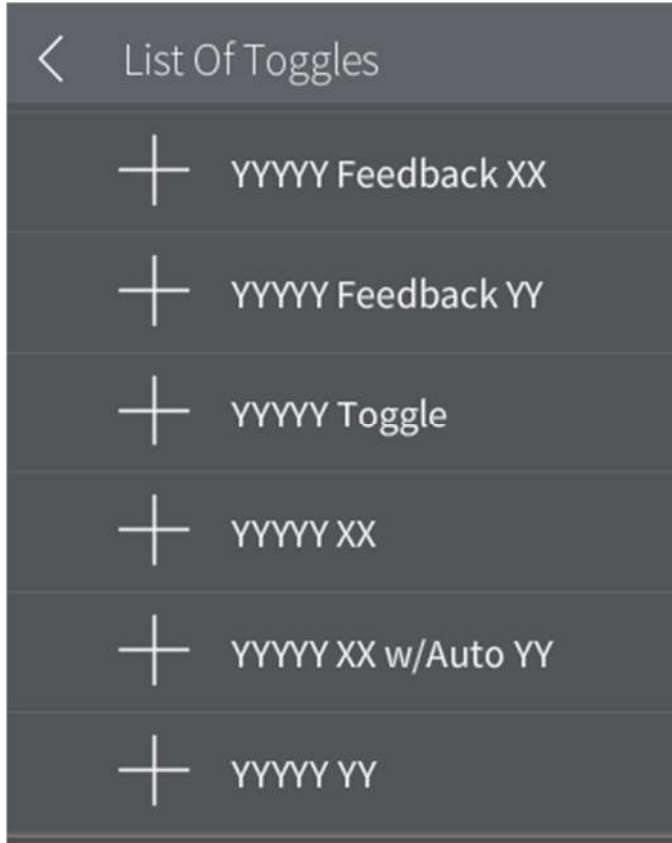
**Off Button Text** – Text for the “Off” button.

**Off Feedback Text** – Text to be displayed for “Off” feedback.

**If the HOME page is selected or a PINCODE is established, the click and tile only settings will be ignored.**

**If the ONLY DISPLAY TILE is not selected and the CLICKABLE is not selected, the tile only setting will be ignored.**

## Actions



**Extension Disable** – Disable the extension

**Extension Enable** – Enable the extension

**YYYYY Feedback YY** – this is feedback from the device that indicates the toggle should be off. If “Use Device Feedback” is checked, this is the only way to show that the toggle is off. The name depends on the descriptor text. The on/off text is also installer editable.

**YYYYY Feedback XX** – this is feedback from the device that indicates the toggle should be on. If “Use Device Feedback” is checked, this is the only way to show that the toggle is on.

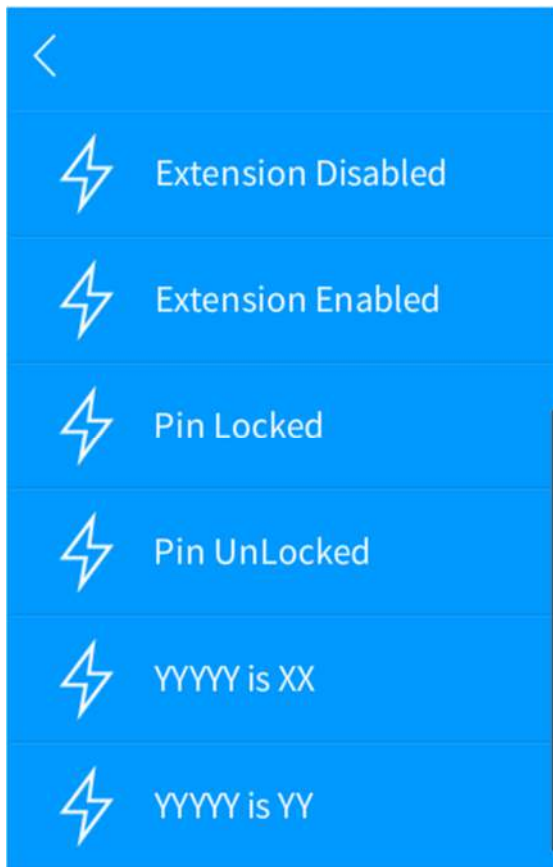
**YYYYY YY** – Toggle to off state.

**YYYYY XX** – Toggle to on state.

**YYYYY Toggle** – Toggle state between on/off

**YYYYY XX w/Auto YY** – Toggle to on state and set a timer to automatically toggle off.

## Events



**Extension Enabled** - enable normal extension functions.

**Extension Disabled** – disable normal extension functions.

**Pin Locked** – Pin code will need to be reentered

**Pin Unlocked** – Pin code has been successfully entered

**YYYYY Is XX**– Toggle is in the on state. The name of the toggle is what was entered into the descriptor installer option. The XX is what was entered in the On installer settings

**YYYYY Is YY** – Toggle is in the off state.

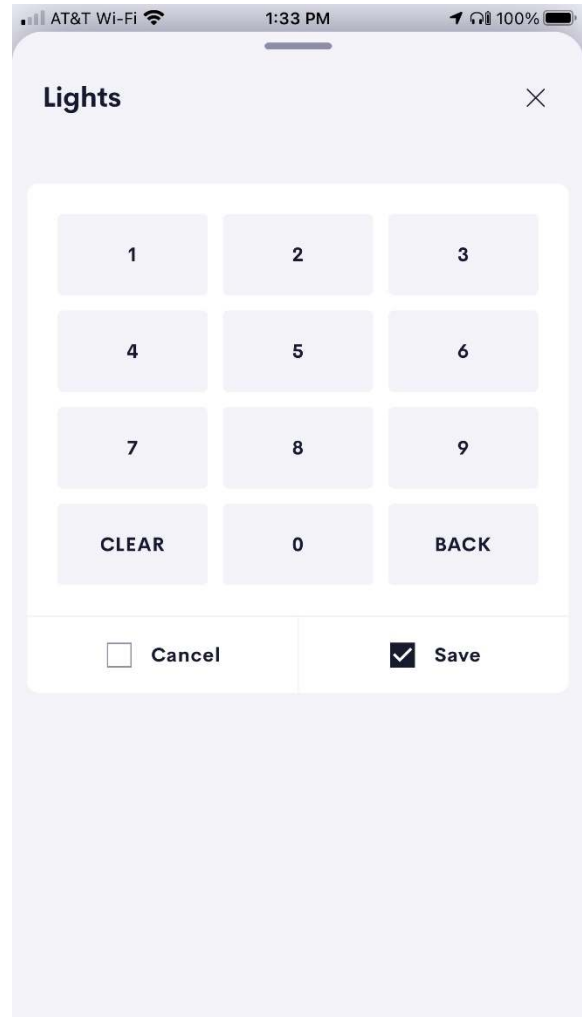
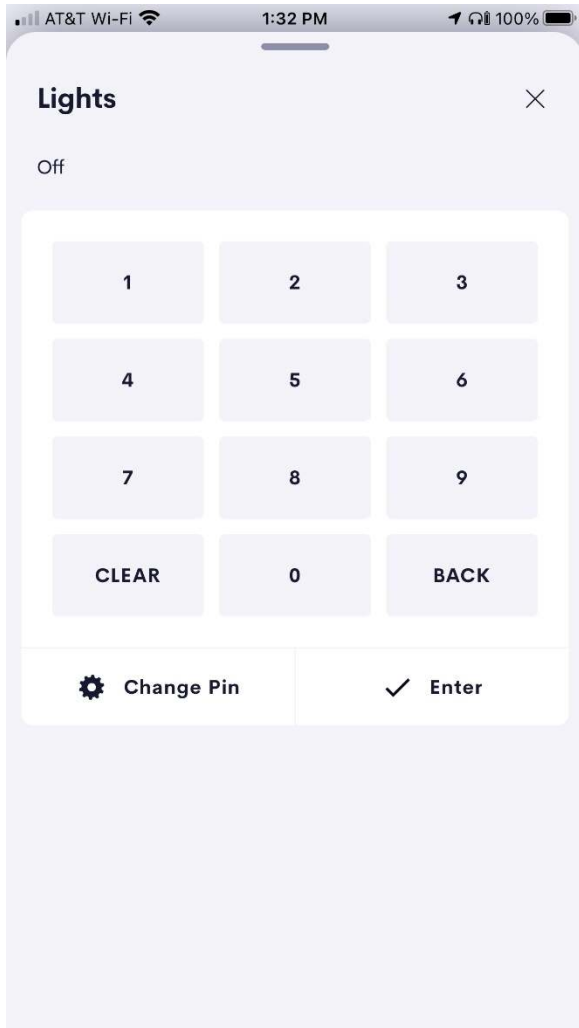
## End-User Experience

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Above is the tile feedback when an error condition that shows the license has expired.

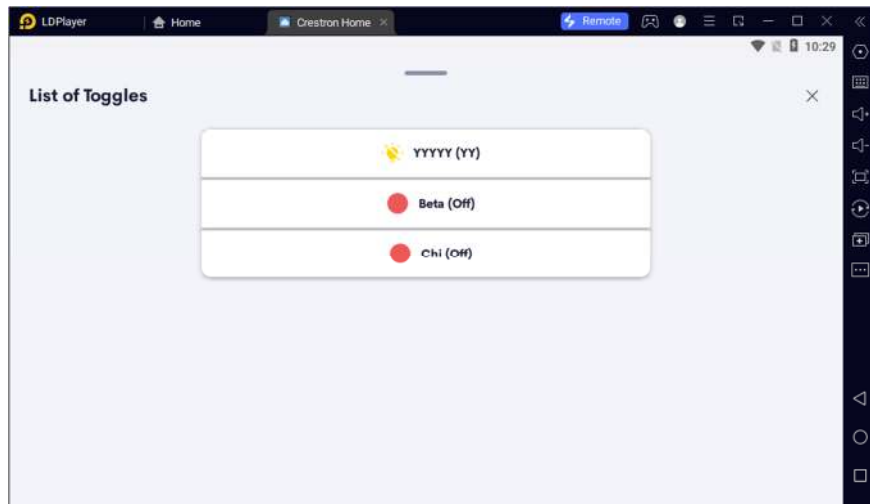
The above 3 tiles show status feedback as the toggle is in the on, off, and disabled state

If an initial pin has been specified in the installer options, the left image will be displayed prior to the controls being displayed. As the pin is entered in, it will be displayed in the upper left hand just above the pin pad. There are two options once the pin has been entered. Pressing ENTER results in the pin being checked and if correct the control will be displayed. If CHANGE PIN is pressed, the image on the right will be displayed. A different pin can be entered and either CANCEL or SAVE is pressed. In either case the controls page will be displayed.



The left image shows the available controls when the toggle is on. The right image shows the controls when the toggle is off.

Two minutes after the toggle has been turned on/off, the pin pad will be reactivated. This value is an installer option.



The first screen after a Pin has successfully been entered, will be a list of buttons. Each button can be configured to simply toggle on the button press, provide a secondary screen (show below) for control.



One of the options allow only feedback actions to actually set the current state.



## Limitations/Known Issues

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- No known limitations or issues

## Supported Features

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- Not applicable

## Test Environment

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- CP4-R and MC4-R
- Crestron Home v4.002.001

## Contact Information

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- License Key: <https://cpllc.net/product/ui-tile-list-of-toggles/>

## Version History

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2024-12-20                      4.002

- Original release

## Licensing and Copyright Information

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