



# Control Programming LLC

## Release Notes

Power – Bond Bridge - Shades - Cloud  
version 2.00.006

### Extension

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This release note is for the CPLLC Bond Bridge device Extension. Bond bridge is a Wifi to RF bridge and is described <https://bondhome.io/>.

### Notes and Recommendations

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At present, control of the Bond Bridge fireplace needs to be done within Crestron Home and not utilizing the Bond Bridge mobile app. State is maintained within this extension.

Drivers->Shades->Bond Bridge>Shades

### System Requirements and Dependencies

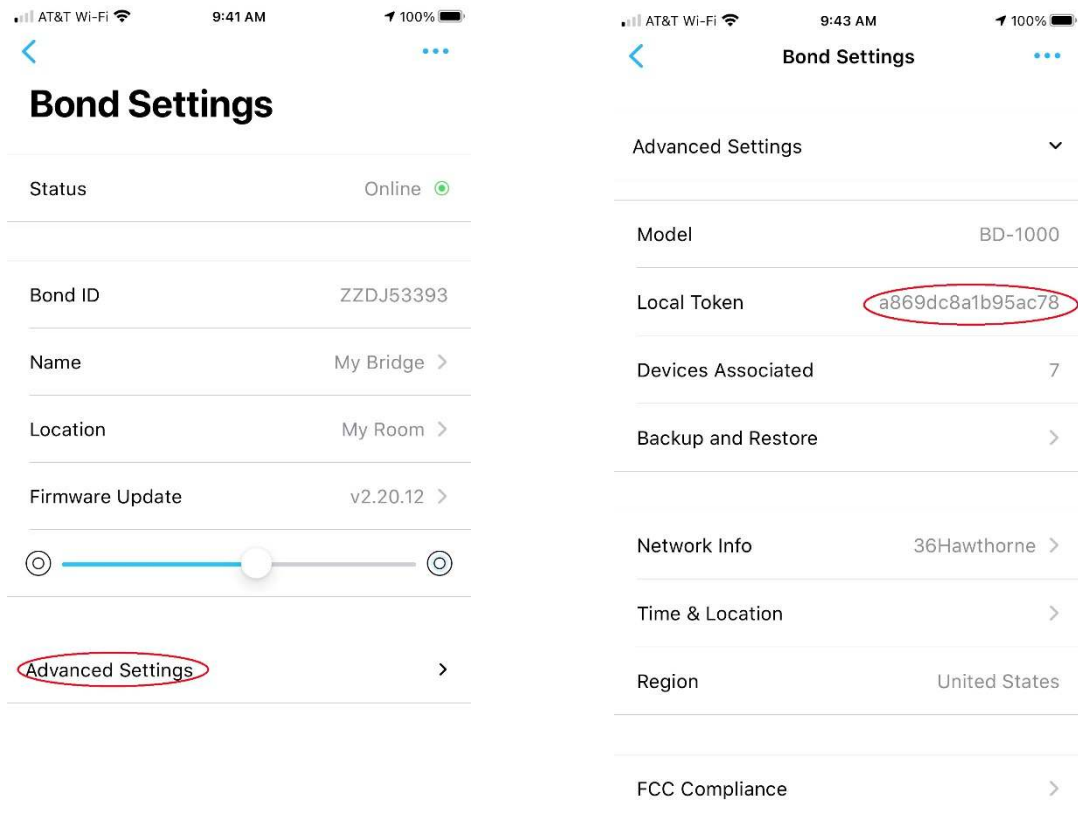
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Crestron Home v3.005.0054

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

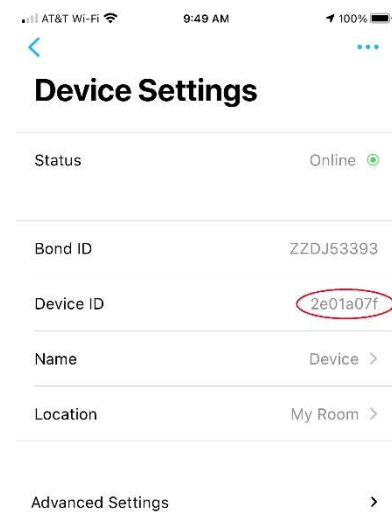
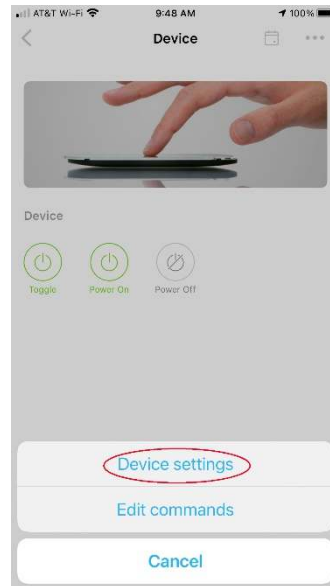
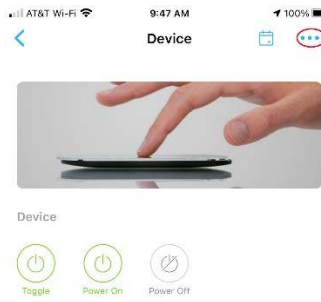
# Operation Installation/Upgrade Instructions

Prior to installing this Bond Bridge extension, you will need to locate the Bond Bridge's local token string as well as the specific device being controlled device id.












As shown above, clicking the Bond Bridge device in the mobile app will display the left screen. Selecting “Advanced Settings” will display additional information which includes the “Local Token”

The Device's Id can be found by clicking on the device's tile which will display the left image. Clicking the 3 dots in the upper right-hand corner will bring up the "Device Settings" selection. One selected, the Device ID is displayed as shown in the right image below.



## 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 i...	<a href="http://CPLLC.net">CPLLC.net</a>
 <b>Show in Home Screen</b> Checked to show on Home screen	<input type="checkbox"/>
 <b>Show on 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 PIN.	<input type="text"/>
 <b>Tile Clickable</b> If checked, pressing the room tile will toggle the state. If unchecked, an additional page would be displayed with discreet buttons to set st...	<input checked="" type="checkbox"/>
 <b>Seconds Between Fully Opened/Closed</b> Number of seconds it takes the Shade to transition between fully opened and fully closed.	<input type="text" value="5"/>
 <b>Bond Bridge's IP Address</b> Bond Bridge's IP Address	<input type="text" value="10.2.176.38"/>
 <b>Bond Bridge's Local Token</b> Bond Bridge's Local Token	<input type="text" value="9f1a817f565b2257"/>
 <b>Bond Bridge's Device ID</b> Bond Bridge's Device ID of the Device to control	<input type="text" value="3165765"/>

**Obtain License Key** – clicking on the “CPLLC.net” link will take you to the website to purchase the necessary license. The obtained license key will need to be entered in the license manager on the appropriate SKU.

**Show on Home Page** – check if extension is to be visible on the home page.

**Show in Room Page** – checked if extension is visible in the room page.

**Starting PIN Code** – Initial PIN code. Leave blank to disable PIN codes.

**Tile Clickable** – checked if the room tile can toggle between on/off

**Seconds Between Fully Opened/Closed** – number of seconds required to transition between open and closed

**Bond Bridge's IP Address** – address of Bond Bridge device.

**Bond Bridge's Local Token** – Bond Bridge's local token (This is found as described previously)

**Bond Bridge's Device ID** – Bond Bridge specific device's id (this is found as described previously) Use 1 if nothing found.

## Actions

<	Bond Bridge Shades
+	Disable
+	Enable
+	Shades Close
+	Shades Open
+	Shades Stop
+	Shades Tilt Close
+	Shades Tilt Open
+	Shades Toggle

**Shades Close** – close the shades

**Shades Open** – open the shades

**Shades Toggle** – toggle the shades between open and close. State is maintained within the extension.

**Shades Stop** – stop current movement

**Shades Tilt Close** – tilt shade slats close

**Shades Tilt Open** – tilt shade slats open

**Disable** – Disable the extension

**Enabled** – Enable the extension

## Events

Enabled
Disabled
Shades Are Opening
Shades Are Opened
Shades Are Opened
Shades Are Closing
Shades Are Closed
Shades Are Stopped
Shades Are Tilted Open
Shades Are Tilted Close

**Enabled** - enable normal extension functions

**Disabled** – disable normal extension functions

**Shades Are Opening** – shades are opening

**Shades Are Opened** – shades are opened (this is triggered after the number of seconds it takes to open the shades)

**Shades Are Closing** – shades are closing

**Shades Are Closed** - shades are closed (this is triggered after the number of seconds it takes to close the shades)

**Shades Are Stopped** - shades have been stopped midstream

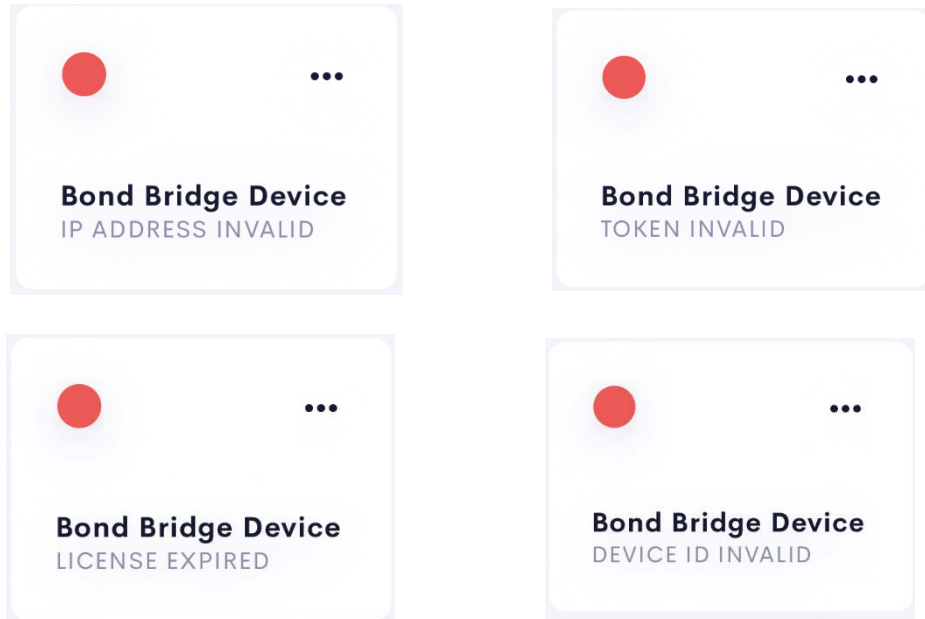
**Shades Are Tilted Open** – shade slats are being tilted open

**Shades Are Tilted Close** - shade slats are being tilted close

## End-User Experience

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Below are tile images that show various errors that could be encountered:

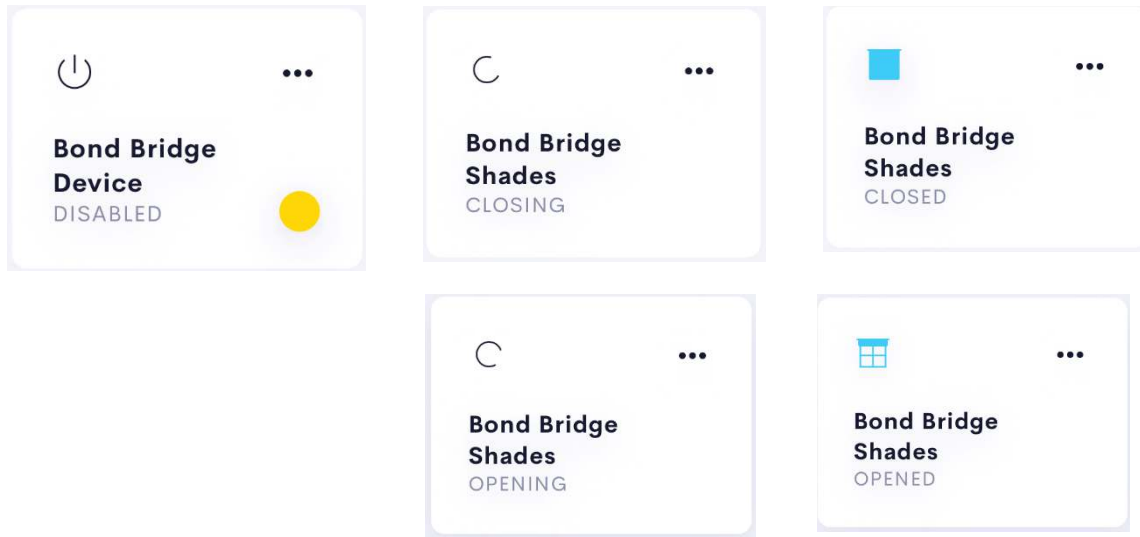


**IP Address Invalid** – IP address that was entered did not connect to a Bond bridge

**Token Invalid** – Bond Bridge’s token is incorrect

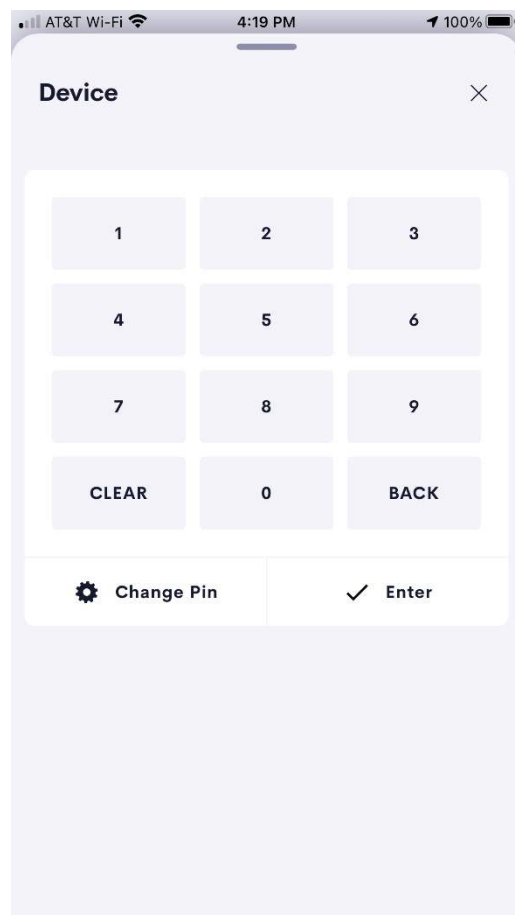
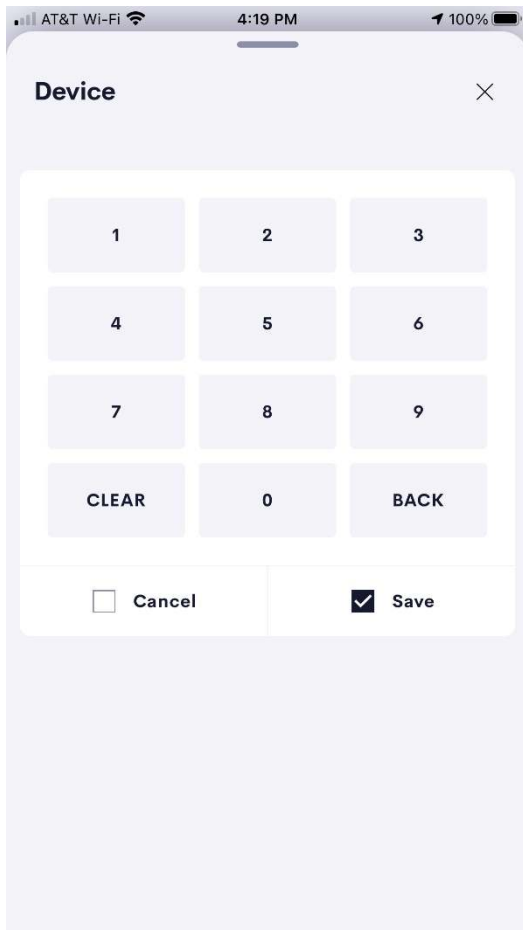
**Device ID Invalid** – Bond Bridge’s device id does not exist

**License Expired** – The 2-hour testing window has expired as there is no valid license key

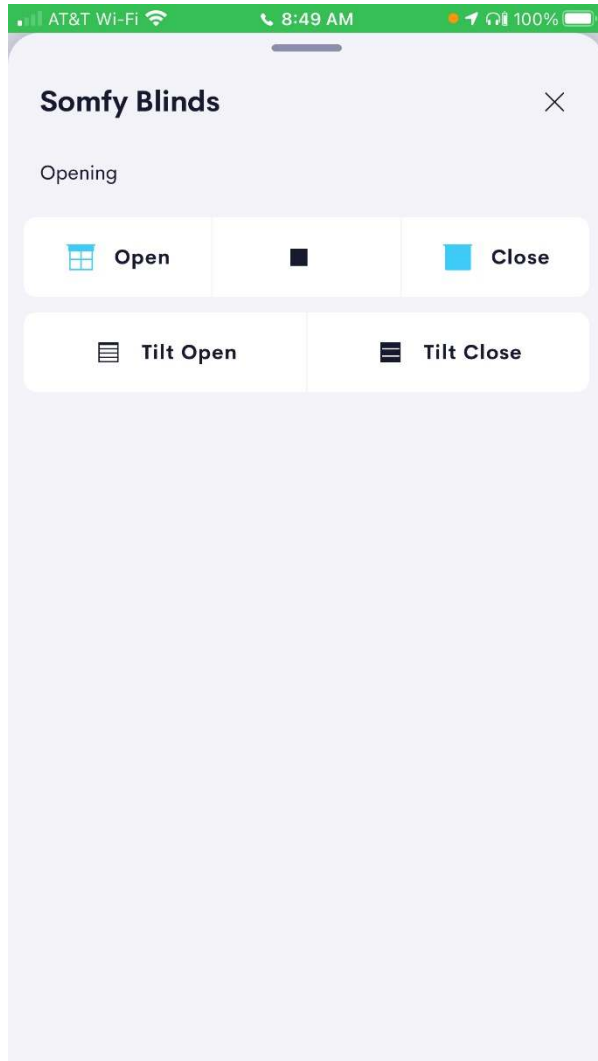


The above five Tiles show the extension disabled feedback, device is enabled and closing, closed, opening, and opened.





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 control screen provides Open, Stop and Close buttons.

Additionally if the shade support tilt the Tilt Open and Tilt Close buttons.

## Limitations/Known Issues

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- No know limitations or issues

## Supported Features

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- Not applicable

## Test Environment

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- CP4-R and MC4-R

- Crestron Home v3.005.0054

## Contact Information

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- Website: <https://cpllc.net>
- License Key: <https://cpllc.net/?product=bond-bridge-shades>

## Version History

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2022-04-04 2.00006

- Minor bug fixes and adjustments required for Hot Fix

2022-12-16 2.00.005

- Added required CCD SDK JSON fields

2022-11-30 2.00.004

- Fixed HTTP link for license acquisition

2022-08-18 2.00.002

- Bug fixes

2022-07-27 2.00.001

- Converted to License Manager
- Removed DLLs

2021-12-02 1.00.004

- Resolved issues with libraries

2021-08-14 1.00.002

- Added obtain license key linkage
- Refined the startup configuration from Bond Bridge

2021-08-02 1.00.001

- Initial Release

## Licensing and Copyright Information

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