Crestron ONE™ App

Crestron HTML5 User Interface Projects

The Crestron ONE™ App for Apple® iPhone® and iPad® devices provides various user control solutions for an Apple mobile device. When set to HTML5 UI mode, the Crestron ONE app enables custom Crestron HTML5 User Interface projects to be loaded into the application, creating a personalized user control experience for the home or office.

This document describes how to configure the Crestron ONE app for HTML5 UI mode and how to load a Crestron HTML5 User Interface project onto the app.

> **NOTE:** The term "mobile device" is used within this document to refer to an Apple mobile device unless specified otherwise.

Install the App

This section provides instructions for downloading and installing the app from the Apple App Store® app on a supported iOS® device.

Prerequisites

Ensure the following prerequisites are met prior to downloading the Crestron One app.

- Ensure Apple iOS version 15 (or later) is running on the iPhone or iPad device.
- Create an Apple ID if necessary. Refer to https://support.apple.com/HT204316 for more information about creating an Apple ID.

Download and Install the App

To download the Crestron One app from the App Store:

1. Tap the **App Store** icon 🅐 on the iOS device home screen.
2. Tap the search field, and enter the search term "Crestron One."
3. Tap **Search**.
4. Tap the **Crestron One** app icon in the search results.
5. Follow the prompts to download and install the app to the device.

Load the SIMPL Program

A custom SIMPL program must be loaded to a Crestron control system before the Crestron HTML5 User Interface project can be configured on the mobile device. For more information on how to create the SIMPL program, refer to the Crestron HTML5 User Interface Developer Microsite.

To load to the SIMPL program to a control system, refer to the following documentation:

- To load the SIMPL program to a 3-Series® control system, refer to the 3-Series Control Systems Reference Guide.
- To load the SIMPL program to a 4-Series® control system, refer to the 4-Series Control Systems Product Manual.
- To load the SIMPL program to a Crestron Virtual Control (VC-4) control system, refer to the Crestron Virtual Control Server Software Product Manual.

Crestron HTML5 User Interface Projects

➜ **Deploy the Mobile Project**

The Crestron HTML5 User Interface mobile project can be saved as a CH5 archive file (.ch5z), which is used to deploy the project onto a control system and the mobile device.

For more information on how to create a CH5 archive file for the project, refer to the Crestron HTML5 User Interface Developer Microsite. This documentation also provides the script command that must be added to the project package.json file when deploying from an IDE (Integrated Development Environment).

To load the CH5 mobile project to the control system:

> **NOTE:** For Crestron Virtual Control (VC-4) installations, the .ch5z archive utility is loaded directly to the control system along with the SIMPL program using the **XPanel (Web)** option. For more information, refer to the Crestron Virtual Control Server Software Product Manual.

1. Open Crestron Toolbox™ software.
2. Select the **EasyConfig** tool.
3. Connect to the control system as described in its documentation.

4. Select **Functions** > **Web Pages and Mobility Projects**. The **Web Pages and Mobility Projects** window is displayed.

5. Verify that **Enable Web Server** is checked.
6. Under **Project Format**, select **Archived File**.
7. Browse for and select the project .ch5z archive file.
8. Under **Load Project As**, select **CH5 Mobile**.
9. Select **Send**, and then select **OK**.
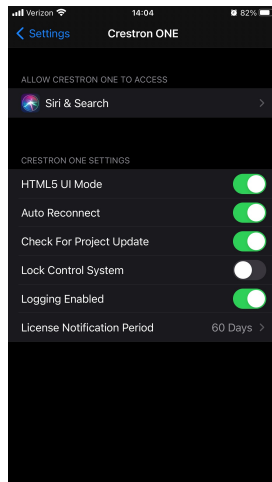
Crestron HTML5 User Interface Projects

Connect to the Control System

The Crestron ONE app must be connected to the control system that contains the loaded Crestron HTM5 User Interface mobile project.

Prior to configuring a connection in the app, the control system must be configured on the network. If the control system and mobile device are not on the same network, TCP control ports (CIP and web port) also must be mapped to the control system from the router. For more information, refer to the 4-Series Control Systems Product Manual.

> **NOTE:** To use the app with a cellular data connection, a DNS hostname must be obtained from the customer's ISP or a service such as MyCrestron.com. For information on setting up a hostname, refer to online help answer ID 5779.
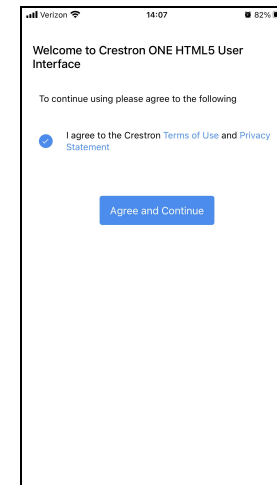
1. Open **Settings** from the iPhone or iPad device home screen and navigate to **Crestron ONE**.

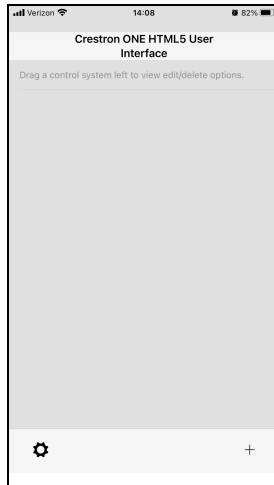2. Turn on the **HTML5 UI Mode** toggle.

> **NOTE:** Turning on the **HTML5 UI Mode** toggle makes the Crestron ONE app run in user project mode. This toggle must be turned off to use the app in its default room control mode.

3. Open the **Crestron ONE** app from the iPhone or iPad device home screen.

4. If opening the app for the first time, check the check box to indicate you have reviewed the terms of use and privacy statement, then select **Agree and Continue**.
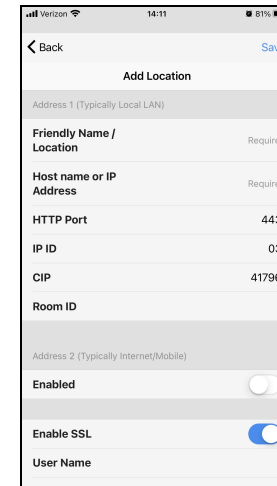
Crestron HTML5 User Interface Projects

The **Crestron ONE HTML5 User Interface** screen is displayed with a list showing all configured systems. This list will not be populated when connecting to the app for the first time.

> **NOTE:** If the app shows the **Connect** screen after turning on the **HTML5 UI Mode** toggle, close and reopen the app.

5. Select the plus (**+**) icon on the bottom right of the screen to configure a new control system connection. The **Add Location** screen is displayed.

Crestron HTML5 User Interface Projects

6. Enter the following information for the control system connection under **Address 1 (Typically Local LAN)**:

> **NOTE:** A system configuration can be imported from a system on another device. For more information, refer to Import a Configuration.

- **Friendly Name/Location**: Enter a friendly name for the control system or its location. This name is for user reference only and is not the device hostname.

- **Host name or IP Address**: Enter the control system hostname or IP address. If the control system uses DHCP, enter its hostname, as its IP address may change periodically.

- **HTTP Port**: Enter the HTTP(S) port used by the control system. 443 is assigned by default.

- **IP ID**: Enter the IP ID used to connect the mobile device to the control system. The IP ID must match the one assigned in the SIMPL program.

- **CIP**: Enter the CIP value used by the control system. 41796 is assigned by default.

- **Room ID**: (Crestron Virtual Control connections only) Enter the room ID of the Crestron Virtual Control room that is running the SIMPL program.
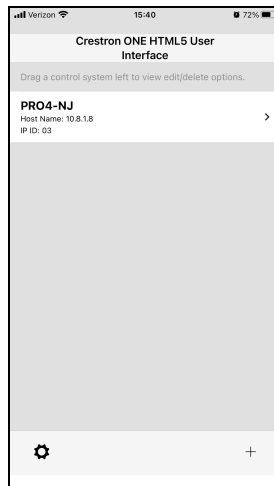
7. If using, enter the following information for the mobile (cellular) connection under **Address 2 (Typically Internet/Mobile)**:

> **NOTE: Address 2 (Typically Internet/Mobile)** is used to connect to a control system behind a firewall. Two TCP ports (CIP and web port) must be forwarded to the control system from the customer's router, and the external values for these ports should be entered in the fields below.

- **Enabled**: Turn on the toggle to enable a mobile connection for the system.

- **Host name or IP Address**: Enter the control system hostname or IP address. If the control system uses DHCP, enter its hostname, as its IP address may change periodically

- **HTTP Port**: Enter the HTTP(S) port used by the control system. 443 is assigned by default.

- **CIP**: Enter the CIP value used by the control system. 41796 is assigned by default.

Crestron HTML5 User Interface Projects

8. Turn on the **Enable SSL** toggle. Most control systems have authentication (SSL/TLS) enabled by default, which requires this toggle to be turned on to establish a connection.

9. Enter the admin username and password for the control system in the **User Name** and **Password** fields under **Enable SSL**.

10. Confirm the admin password in the **Confirm Password** field.

11. If the Crestron HTML5 User Interface project is being hosted somewhere other than the control system, turn on the **Alternate Project Location** toggle, and then enter the required information regarding the project location.

12. Select **Save** to save the configuration. The added system is shown in the list of configured systems on the **Crestron ONE HTML5 User Interface** screen.
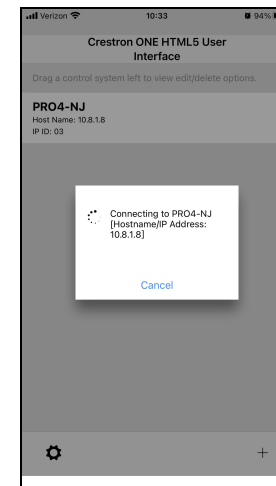

Select a System

Once a system has been added to the Crestron ONE app, it can be selected from the list of connected systems on the **Crestron ONE HTML5 User Interface** screen.

> **NOTE:** The following assumes that either a system has only been configured on the device (not connected to it), or that the **Auto Reconnect** function (described in Configure App Controls) has been turned off.

Tap the desired system to be used. A pop-up window is displayed showing the connection status.
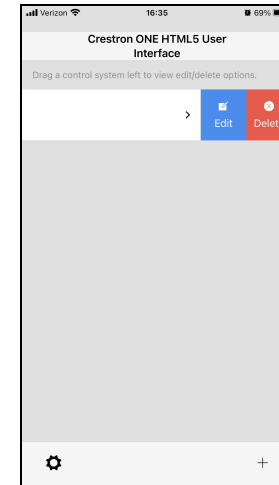
Crestron HTML5 User Interface Projects

Upon successful connection, the Crestron HTML5 User Interface project is loaded, and the mobile device is ready to be used for Crestron system control.

> **NOTE:** When multiple control systems are configured, the systems are displayed in a list. When the app is restarted, it connects to the last connected control system automatically (default setting). To allow the customer to select a system from the list when the app is restarted, refer to Configure App Controls.

Edit or Delete a System

A system can be edited or deleted by swiping the system to the left on the **Crestron ONE HTML5 User Interface** screen.

Crestron ONE™ App

Crestron HTML5 User Interface Projects

Edit a System

To edit a system, swipe the system to the left, and then tap **Edit**. The **Edit Location** screen is displayed.

Make any necessary changes, then select **Save** to save the configuration.

Delete a System

To delete a system, swipe the system to the left, and then tap **Delete**. A dialog box is displayed confirming the deletion.

Tap **Delete** to delete the system or **Cancel** to cancel.
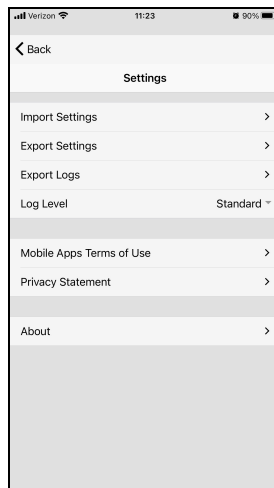
Crestron HTML5 User Interface Projects

Export or Import a Configuration

Configured systems can be exported to or imported from other mobile devices that use the app.
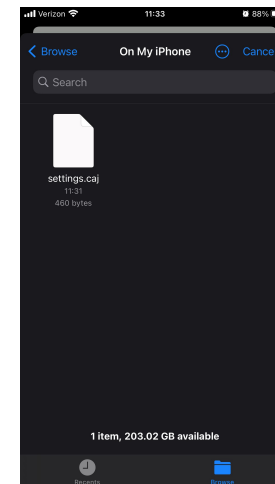
Export a Configuration

1. Tap the gear icon on the **Crestron ONE HTML5 User Interface** screen. The **Settings** screen is displayed.

2. Tap **Export Settings**. A new email is created in your mail application with an attached **settings.caj** file.

3. Send the email to an address that can be received by the target mobile device.

Import a Configuration

1. Download the received **settings.caj** file to a location on your mobile device. Refer to Export a Configuration for more information on creating and sending the CAJ file.

2. Tap the gear icon on the **Crestron ONE HTML5 User Interface** screen. The **Settings** screen is displayed.

3. Tap **Import Settings**. The file system for your iOS device is displayed.

4. Browse for and select the **settings.caj** file to import it into the app.
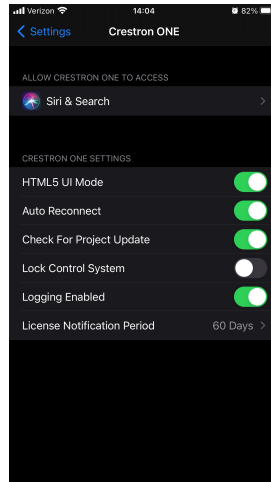
Crestron HTML5 User Interface Projects

⚙ Configure App Controls

Open **Settings** from the iPhone or iPad device home screen and navigate to **Crestron ONE** to configure controls for the app.

- **HTML5 UI Mode**: Turn on the toggle to run the app in Crestron HTML5 User Interface mode. Turning off the toggle runs the app in its default room control mode.

- **Auto Reconnect**: Turn on the toggle to use auto reconnect behavior for the app (the default setting), where the app will reconnect automatically to the last connected system when opened.

> **NOTE: Auto Reconnect** should be turned off when multiple systems are configured, as this allows the customer to select a system to connect to upon opening the app.

- **Check for Project Update**: Turn on the toggle to have the app check the control system for an updated version of the Crestron HTML5 User Interface project upon start up (the default setting). If an updated project is found, the project is loaded to the device automatically. If the function is disabled, the app uses the last project that was loaded.

> **NOTE:** While developing and testing projects, ensure that **Check for Project Update** function is turned on so that project changes can be viewed after a new version has been uploaded.

- **Lock Control System**: Turn on the toggle to only allow a connection to the current connected system. When **Lock Control System** is turned on, the app will reconnect only to this system, and no new system entries can be added.

- **Logging Enabled**: Turn on the toggle to enable logging for the app (the default setting). For more information, refer to Configure App Settings.
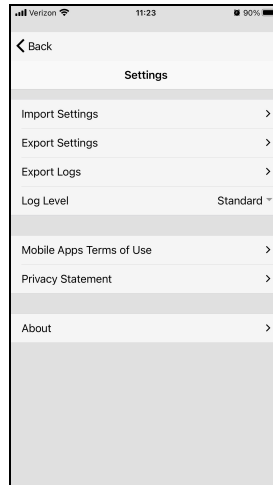
Toggles are also provided that can be used to allow the Crestron ONE app to access certain mobile functions (such as Bluetooth® communications and location services).

Crestron HTML5 User Interface Projects

Configure App Settings

Tap the gear icon on the **Crestron ONE HTML5 User Interface** screen to display the **Settings** screen, which is used to configure app settings.

‹ Back	
Settings	
Import Settings	›
Export Settings	›
Export Logs	›
Log Level	Standard ⌄
Mobile Apps Terms of Use	›
Privacy Statement	›
About	›

- **Import Settings**: Tap to load a settings CAJ file to the app. For more information, refer to Import a Configuration

- **Export Settings**: Tap to export the settings CAJ file as an email attachment. For more information, refer to Export a Configuration.

- **Export Logs**: If logging is turned on, tap to export the zipped log files as an email attachment.

- **Log Level**: If logging is turned on, use the drop-down menu to select the logging level (**Standard**, **Detailed**, or **Enhanced**) that should be used.

> **NOTE: Logging Enabled** must be turned on in the app controls to use logging functions. Refer to Configure App Controls.

The terms of use and privacy statement can also be viewed under **Settings**, as well as information about the app version.

Visit the Product Page

Scan the QR code to visit the product pages.

Crestron ONE App

www.crestron.com/Products/Control-Hardware-Software/Software/Apps/CRESTRON-ONE

Crestron HTML5 User Interface

www.crestron.com/Products/Control-Hardware-Software/Software/Development-Software/Crestron-HTML5-User-Interface

Crestron HTML5 User Interface Projects

Additional Information

Original Instructions
The U.S. English version of this document is the original instructions.
All other languages are a translation of the original instructions.

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