

# Crestron ONE™ App

## Mobile Room Control App



- Provides a robust and intuitive mobile control solution using an Apple® iPhone® or iPad® device
- Discovers and connects to smart rooms over Bluetooth® communications – no special network configuration is required
- Authenticates against a touch screen in the room via a QR code or four-digit passcode to ensure the user is present
- Provides access to mobile-optimized room controls
- HTML5 UI mode enables custom Crestron® HTML5 User Interface projects to be loaded to the Apple mobile device for personalized user control

The Crestron ONE™ mobile app for Apple® iPhone® and iPad® devices allows for Crestron® smart room control from your Apple mobile device. The Crestron ONE app creates a peer-to-peer network over Bluetooth® communications between your Apple mobile device and a [TSW-60 series](#) or [TSW/TS-70 series](#) touch screen in the room, allowing mobile-optimized room controls to be pushed to your device from the touch screen.<sup>1</sup> No special in-app or network configuration is required—simply download and install the app to start using it.

**NOTE:** Mobile room control functionality is enabled via a [SW-MOBILITY](#) license running on a 3-Series or 4-Series control system.<sup>2</sup>

The Crestron ONE app was designed to be easy-to-use and intuitive by requiring only three steps:

1. **Connect:** The app discovers nearby rooms automatically and connects to them securely via Bluetooth.
2. **Authenticate:** The touch screen in the room displays a challenge code (QR Code and four-digit passcode) that must be scanned or entered into the app to prove that you are in the room.
3. **Control:** Access to room controls is provided via a mobile-optimized user interface.

### Bluetooth Communications

The Crestron ONE app uses Bluetooth technology to discover and connect to rooms that have been set up for mobile device control, eliminating the need to connect to the corporate network. All available rooms within range will be displayed in the app, allowing you to quickly locate the touch screen associated with a smart room. After selecting a touch screen, the app creates a private and secure peer-to-peer connection between your device and the touch screen that is terminated after you disconnect.

**NOTE:** For TSW-60 series touch screens, only one user can be connected to a room at a time. For TSW/TS-70 series touch screens, two users can be connected to a room at a time.

### Authentication

The Crestron ONE app requires your Apple mobile device to authenticate against the touch screen via a QR code or four-digit passcode, ensuring that the room can be controlled only by users within it. After selecting a touch screen in the app, simply scan the QR code displayed on the touch screen when prompted. If your device camera is not enabled or the QR code cannot be scanned, the touch screen also displays a four-digit passcode that can be entered into the app instead. The codes are dynamic and change after every connection to the touch screen.

### Mobile-Optimized Controls

After authenticating against the touch screen, the Crestron ONE app pushes room controls from the touch screen to your device automatically. Supported touch screen functions that have been configured for mobile control can be controlled using the app. Whenever a button is pressed on the app, the corresponding action occurs on the touch screen and vice versa. In-app controls are also optimized for mobile usage and presented in a sleek user interface, making it easy to view and manipulate graphical elements such as buttons, toggles, and sliders from your device.

### HTML5 UI Mode

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. Programming for the Crestron ONE app uses the same Crestron HTML5 User Interface scripts and components needed for touch screen and HTML Web XPanel deployments, so projects can be reused easily across different platforms.

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Refer to the following table to determine whether your desired solution requires a Software Mobility License. A Software Mobility license is required if you are deploying at least one of the following solutions that lists "Yes" for any of the control system columns.

Software Mobility Requirement Table

	3-Series® Control System	4-Series™ Control System	Crestron Virtual Control (VC-4)
Crestron Touch Screen with a Crestron HTML5 User Interface Project	No	No	No
Crestron ONE™ App with a Crestron HTML5 User Interface Project	Yes	Yes	No
Mobile Room Control via Crestron ONE™ App	Yes	Yes	No
HTML5 Web XPanel via Web Browser (without Crestron Fusion® Software)	No	No	No
HTML5 Web XPanel via Web Browser (with Crestron Fusion® Software) <sup>4</sup>	No	No	No

## Specifications

### System Requirements

<b>Mobile Requirements</b>	Apple® iOS® 12.2 operating system (or later); Bluetooth® communications must be enabled; <sup>3</sup>
<b>Room Requirements</b>	TSW-60 or TSW/TS-70 series touch screen running a Smart Graphics® project; <sup>1,3</sup> 3-Series® or 4-Series™ control system running SW-MOBILITY license <sup>2</sup>

## Model

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## Available Accessories

For supported accessories, visit the product page at [www.crestron.com](http://www.crestron.com).

### Notes:

1. TSW-60-NC, TSW-570, TSW-570P, TSW/TS-70-GV, and TSW/TS-70R series touch screens are not supported. Refer to the Crestron ONE™ release notes for all currently supported touch screen models.
2. The MC3 and TPCS-4SM control systems are not supported by the Crestron ONE App. Refer to the Crestron ONE release notes for all currently supported control system models.
3. Not required when running the app in HTML5 UI mode.
4. This functionality is accessed via the eControl tab in Crestron Fusion® software running version 11.2.0006.0063 or later. The HTML5 Web XPanel functionality can be used in older versions of Crestron Fusion software; however, a Software Mobility license is required.

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

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

The specific patents that cover Crestron products are listed online at [www.crestron.com/legal/patents](http://www.crestron.com/legal/patents).

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