



TSS-7/TSS-10  
7 in. and 10.1 in. Room Scheduling  
Touch Screens

Supplemental Guide  
Crestron Electronics, Inc.

**Original Instructions**

The U.S. English version of this document is the original instructions.

All other languages are a translation of the original instructions.

Crestron product development software is licensed to Crestron dealers and Crestron Service Providers (CSPs) under a limited nonexclusive, nontransferable Software Development Tools License Agreement. Crestron product operating system software is licensed to Crestron dealers, CSPs, and end-users under a separate End-User License Agreement. Both of these Agreements can be found on the Crestron website at [www.crestron.com/legal/software\\_license\\_agreement](http://www.crestron.com/legal/software_license_agreement).

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 at [www.crestron.com/legal/patents](http://www.crestron.com/legal/patents).

Certain Crestron products contain open source software. For specific information, visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

Crestron, the Crestron logo, Crestron Fusion, Crestron Home, Crestron Toolbox, Crestron XiO Cloud, PinPoint, Rava, and Smart Graphics are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. 2N is either a trademark or a registered trademark of 2N Telekomunikace in the United States and/or other countries. Appspace and the Appspace logo are either trademarks or registered trademarks of Appspace, Inc. in the United States and/or other countries. AskCody is either a trademark or a registered trademark of AskCody in the United States and/or other countries. EMS Software and the EMS logo are either trademarks or registered trademarks of EMS Software, LLC in the United States and/or other countries. Gingco.net is either a trademark or a registered trademark of Gingco.net in the United States and/or other countries. G Suite, Google, and Google Calendar are either trademarks or registered trademarks of Google, Inc. in the United States and/or other countries. Indoor Finders is either a trademark or a registered trademark of IntelliGroups, LLC in the United States and/or other countries. Active Directory, Microsoft, Microsoft Teams, and Office 365 are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. New Wave Apps is either a trademark or a registered trademark of New Wave Apps in the United States and/or other countries. NFS is either a trademark or a registered trademark of NFS Technology Group in the United States and/or other countries. Robin and the Robin logo are either trademarks or registered trademarks of Robin Powered, Inc. in the United States and/or other countries. SharingCloud is either a trademark or a registered trademark of SharingCloud in the United States and/or other countries. Sonos is either a trademark or a registered trademark of Sonos, Inc. in the United States and/or other countries. Space Connect is either a trademark or a registered trademark of Spaceconnect Pty Ltd in the United States and/or other countries. SpacelQ is either a trademark or a registered trademark of Space IQ, LLC in the United States and/or other countries. EventBoard, Teem, and the Teem logo are either trademarks or registered trademarks of Teem, LLC in the United States and/or other countries. Zoom and Zoom Rooms are either trademarks or registered trademarks of Zoom Video Communications, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography.

©2020 Crestron Electronics, Inc.

# Contents

<b>Introduction</b> .....	<b>1</b>
<b>Product Features</b> .....	<b>2</b>
<b>Access the Setup Screens</b> .....	<b>4</b>
<b>Local Configuration</b> .....	<b>5</b>
Ethernet Setup .....	5
Diagnostics & Advanced .....	7
Test Patterns .....	8
Touch Test .....	9
LAN Test .....	10
About .....	11
<b>Web Configuration</b> .....	<b>12</b>
Actions Menu .....	13
Reboot .....	13
Restore .....	13
Firmware Upgrade .....	14
Download Logs .....	14
Manage Certificates .....	14
Enter Setup .....	14
Enter Standby .....	15
Save Changes .....	15
Revert .....	15
Upload User Project .....	15
App Upgrade .....	15
Status .....	16
Device .....	16
Network .....	17
USB .....	18
Room Scheduling .....	18
Display .....	18
Settings .....	19
System Setup .....	19
Network Proxy Settings .....	23
Audio .....	24
Cloud Settings .....	24
Configure Date/Time .....	25
Authentication Management .....	25
802.1x Configuration .....	34

Auto Update .....	37
Applications .....	37
Device Pairing .....	38
<b>Application Setup .....</b>	<b>39</b>
Crestron Room Scheduling Application .....	40
Appspace .....	41
AskCody .....	47
EMS Software .....	48
Gingco.net .....	49
Indoor Finders .....	52
New Wave Apps .....	55
NFS Rendezvous .....	57
Robin .....	59
Space Connect .....	63
SpacelQ .....	67
Teem .....	70
Zoom Rooms .....	73
<b>Connect to Crestron XiO Cloud Service .....</b>	<b>79</b>
Claim a Single Device .....	79
Claim Multiple Devices .....	80

## Introduction

---

The Crestron® TSS-7 and TSS-10 are stylish and versatile wall mount touch screens designed specifically for enterprise room scheduling applications. The TSS-7 and TSS-10 integrate directly with a variety of popular room scheduling services. The TSS-7 and TSS-10 install quickly and easily with simple web-based configuration and cloud-based management, and they require no control system or programming.

**NOTE:** The Crestron TSS-7 and TSS-10 are functionally similar. For simplicity within this guide, the term "touch screen" is used except where noted.

For more information on the TSS-7 and TSS-10, refer to the TSS-7/TSS-10 Quick Start Guide (Doc. 8326) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

# Product Features

Refer to the following chart to determine the product features that are available on the TSS-7 and TSS-10 touch screens.

**TSS-7/TSS-10 Series Feature Comparison Chart**

Feature Class	Feature	TSS-7	TSS-10
<b>Display</b>	Size	7 in.	10.1 in.
<b>Security</b>	AES-128/TLS security	Yes (TLS 1.2)	Yes (TLS 1.2)
	802.1x	Yes	Yes
	Active Directory® service	Yes	Yes
<b>Schedule Connection Types</b>	Crestron Fusion® software	Yes	Yes
	Microsoft Exchange/ Office 365® software	Yes	Yes
	Google Calendar™ app/ G Suite™ software	Yes	Yes
	Ad Astra™ Schedule software (read only)	Yes	Yes
	CollegeNet® 25Live® software	Yes	Yes
<b>Supported User Interfaces</b>	Crestron scheduling	Yes	Yes
	Appspace® app	Yes	Yes
	Robin® app	Yes	Yes
	Teem® app	Yes	Yes
	EMS Software® app	Yes	Yes
	Zoom Rooms™ app	Yes	Yes
	Zoom™ app	Yes	Yes
	Microsoft Teams® online meeting solution	No	No
	Space Connect™ app	Yes	Yes
	NFS™ Rendezvous app	Yes	Yes
	Gingco.net™ app	Yes	Yes
	SharingCloud™ app	Future	Future
	New Wave Apps® app	Yes	Yes
	SpaceIQ® app	Yes	Yes
	AskCody® app	Yes	Yes
	Indoor Finders® app	Yes	Yes
	Custom user project	Yes	Yes

Feature Class	Feature	TSS-7	TSS-10
<b>Crestron XiO Cloud™ Service</b>	Crestron XiO Cloud support	Yes	Yes
	Scheduling provider configuration	Yes	Yes
	Complimentary device subscription	Yes, 1 year	Yes, 1 year
	Firmware updates	Yes	Yes
	Project load	Yes	Yes
	Update settings	Future	Future
	SMS/Email alerts	Future	Future
	Dashboard	Future	Future
	Log retrieval	Future	Future
<b>Zoom Room Capabilities</b>	Page flip to custom project	No	No
	View call status via program	No	No
	Show/hide app via program	No	No
<b>Other Features</b>	Native Sonos® application	No	No
	Crestron Home® OS application	No	No
	2N® door station support	No	No
<b>Supported Accessories</b>	TSW-x60-LB light bar	Yes	Yes
	SSW/SSC/SIW room availability signs	Yes	Yes
	Multisurface Mounting Kit	Yes	Yes
	Mullion Mounting Kit	Yes	Yes
	PoE Occupancy Sensor (direct pairing)	Yes	Yes
<b>Touch Screen Features</b>	Power requirements (with LED accessory connected)	PoE	PoE+
	Power requirements (without LED accessory connected)	PoE	PoE+
	Camera	Future (hardware ready)	Future (hardware ready)
	PinPoint™ beacon	Future (hardware ready)	Future (hardware ready)
	USB for accessory integration	Yes	Yes
	Ambient light sensor for auto dimming	Yes	Yes
	Audio for emergency broadcast	Yes	Yes
	Control system interface	No	No

## Access the Setup Screens

The setup screens enable basic configuration prior to regular operation of the touch screen.

To access the touch screen's built-in setup screens during regular operation, place five fingers on the display and hold for 15 seconds.

The main Setup screen is displayed (TSS-10 shown).

### TSS-10 Setup Screen



**NOTE:** The touch screen also provides a web configuration interface that may be used to view and configure various touch screen settings. For more information, refer to [Web Configuration \(on page 12\)](#).

The Setup screen shows the IP address, hostname, and MAC address of the touch screen and provides the following configuration selections:

- Buttons for Ethernet setup and diagnostics.
- An **About** button that provides information about the touch screen.

The functions of each button are detailed in the following pages of this guide.

**NOTE:** A toolbar is present on the bottom of all setup screens. The toolbar provides a gear button  that may be tapped to return to the Setup screen and a **Save & Exit** button that may be tapped to save all settings, to exit the setup screens, and to return to the selected scheduling application.

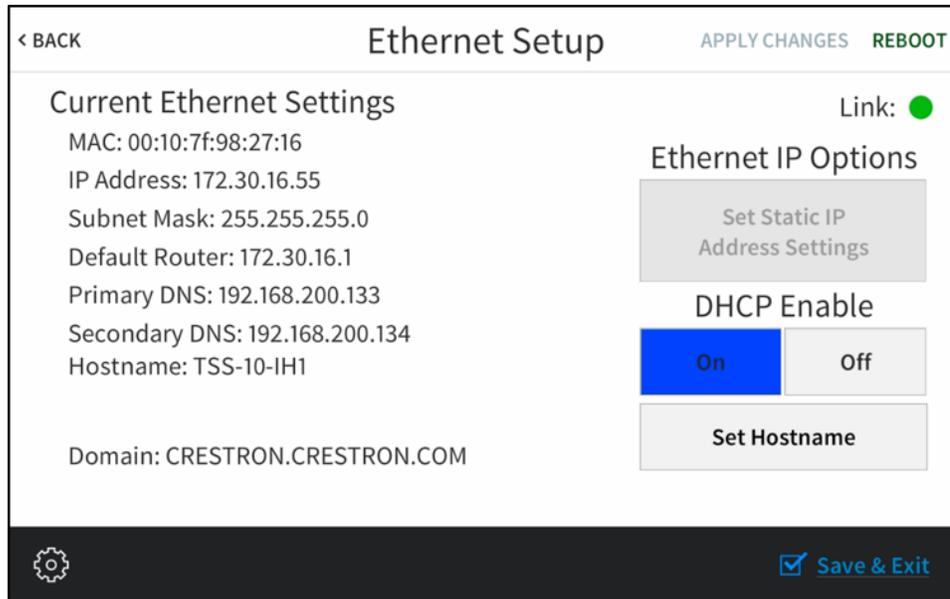
# Local Configuration

Refer to the following sections for information about configuring the device locally using the device setup screens.

## Ethernet Setup

Tap **Ethernet Setup** on the Setup screen to display the **Ethernet Setup** screen.

### Ethernet Setup Screen



Use the Ethernet Setup screen to view the touch screen MAC and IP addresses, subnet mask address, default router address, primary and secondary DNS addresses, hostname, and domain. A **Link** indicator is provided to indicate the status of the Ethernet connection. (Green indicates that the Ethernet connection is active.)

The following buttons are provided for configuring Ethernet settings:

- Tap **On** or **Off** under **DHCP Enable** to turn DHCP (dynamic host configuration protocol) on or off.

**NOTE:** DHCP is enabled on the touch screen by default.

- If DHCP is turned off, tap **Set Static IP Address Settings** to enter static IP addresses manually.
- Tap **Set Hostname** to enter a new touch screen hostname using an on-screen keyboard.
- Tap **APPLY CHANGES** to apply any new Ethernet settings to the touch screen and to stay in setup mode.
- Tap **REBOOT** to exit setup mode and reboot the touch screen.

To change a static IP address, tap **Off** under **DHCP Enable**. Then, tap **Set Static IP Address Settings** to display the **Static IP Ethernet Setup** screen.

#### Static IP Ethernet Setup Screen

< BACK      Static IP Ethernet Setup      APPLY CHANGES      REBOOT

Touch a Setting to Edit

Static IP address      Preferred DNS  
0.0.0.0      0.0.0.0

Static Subnet Mask      Alternate Preferred DNS  
0.0.0.0      0.0.0.0

Static Default Router  
0.0.0.0

⚙️      ✓ Save & Exit

To edit the static IP address, the static subnet mask, the static default router, the preferred DNS, or the alternate preferred DNS, tap the text field underneath the setting name.

The on-screen numeric keypad opens for the chosen setting.

#### Edit IP Address On-Screen Numeric Keypad

< CANCEL      Edit IP Address

0.0.0.0      ✕      ⊗

1      2      3

4      5      6

7      8      9

.      0      Save

- Use the keypad to make a new entry.
- Tap the clear button in the text field to clear any previous entry.
- Tap the delete button to delete the last digit.
- Tap **Save** to save a new entry or tap < **CANCEL** to discard any changes. The display returns to the **Static IP Ethernet Setup** screen.

After new settings have been saved, tap **APPLY CHANGES** on the **Static IP Ethernet Setup** screen to apply the new settings and stay in setup mode. Tap **REBOOT** to exit setup mode and reboot the touch screen.

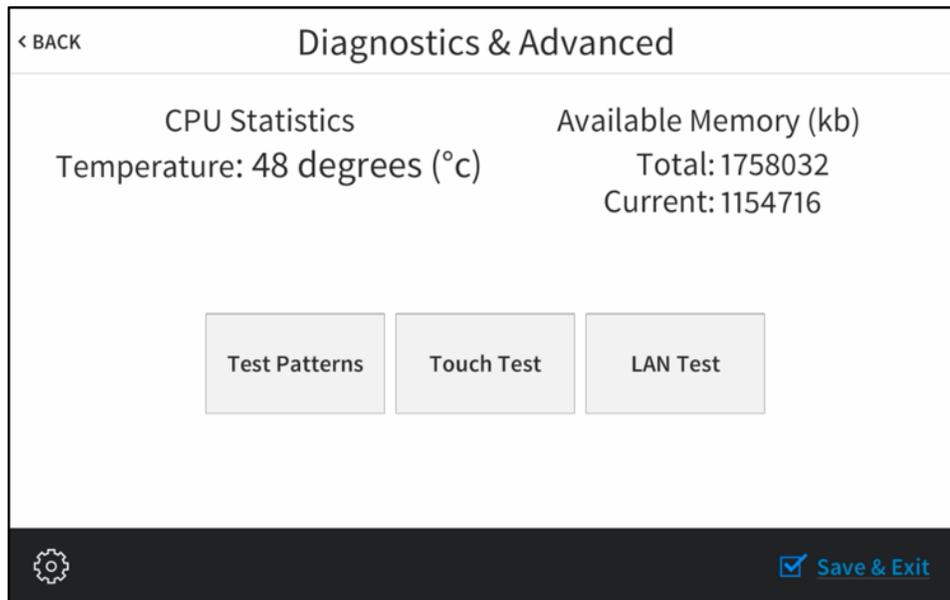
Tap < **BACK** to return to the **Ethernet Setup** screen.

Tap < **BACK** on the **Ethernet Setup** screen to return to the Setup screen.

## Diagnostics & Advanced

Tap **Diagnostics** on the Setup screen to display the **Diagnostics & Advanced** screen.

### Diagnostics & Advanced Screen



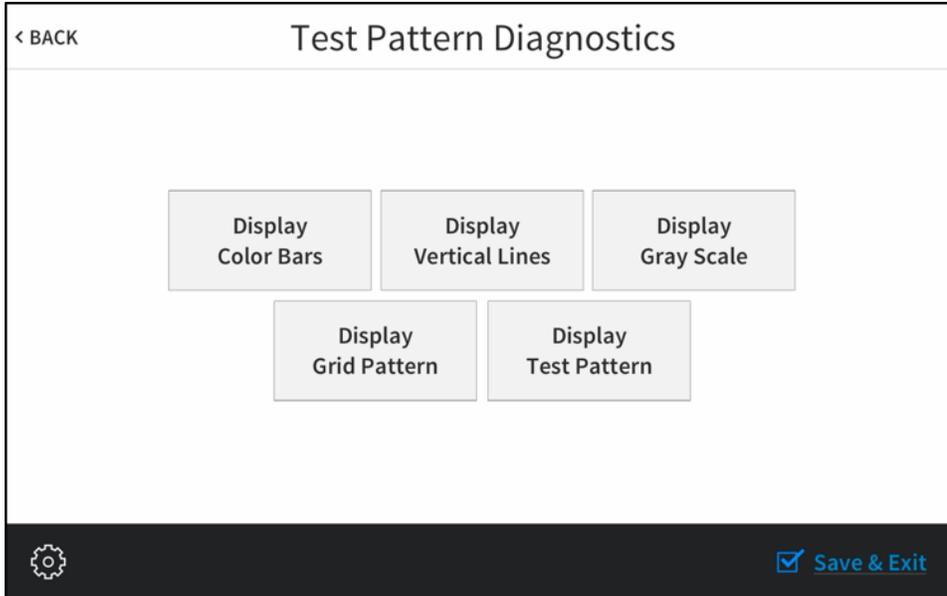
Use the **Diagnostics & Advanced** screen to access various diagnostic test screens for the touch screen. The **Diagnostics & Advanced** screen also provides the touch screen CPU temperature and available memory.

Each test screen is described in the sections that follow.

## Test Patterns

Tap **Test Patterns** on the **Diagnostics & Advanced** screen to display the **Test Pattern Diagnostics** screen.

### Test Pattern Diagnostics Screen



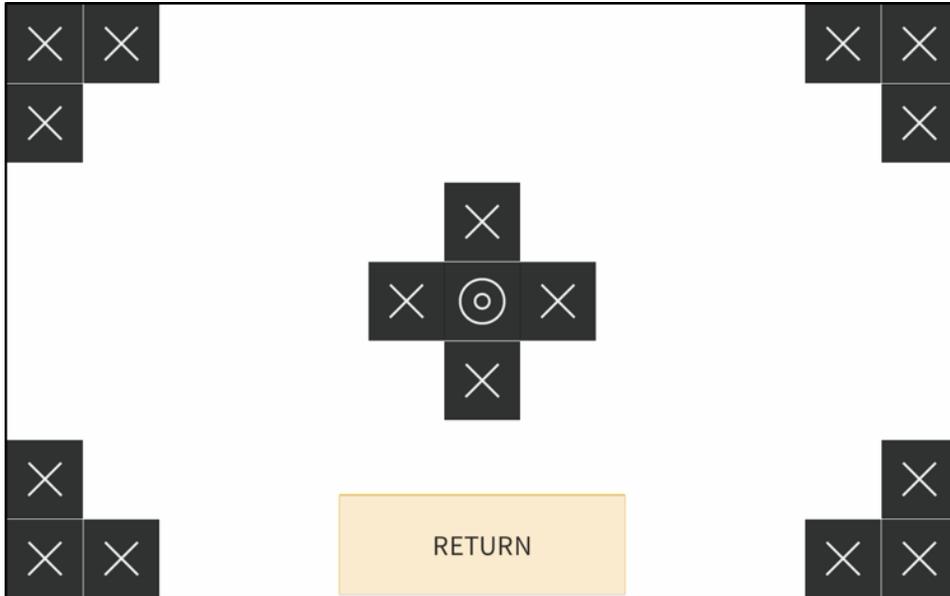
Use the **Test Pattern Diagnostics** screen to display any of the available test patterns. Tap one of the buttons on the screen to display its respective test pattern.

Tap < **BACK** to return to the **Diagnostics & Advanced** screen.

## Touch Test

Tap **Touch Test** on the **Diagnostics & Advanced** screen to display the touch test screen.

### Touch Test Screen



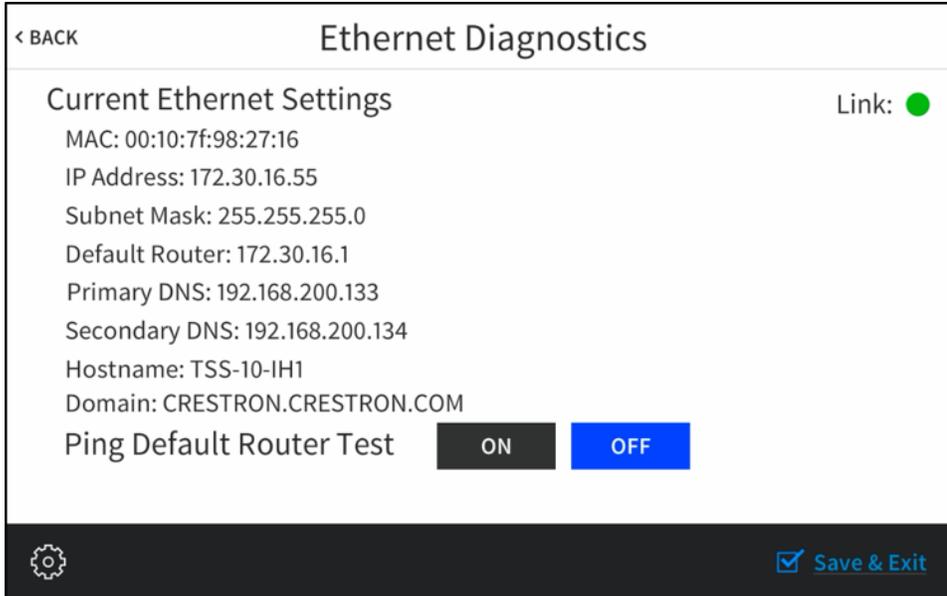
Use the touch test screen to test the touch functionality of the display. When a location button is tapped, its respective indicator lights on the screen.

Tap **RETURN** to return to the **Diagnostics & Advanced** screen.

## LAN Test

Tap **LAN Test** on the **Diagnostics & Advanced** screen to display the **Ethernet Diagnostics** screen.

### Ethernet Diagnostics Screen



Use the **Ethernet Diagnostics** screen to view and test the Ethernet connection. The Ethernet Diagnostics screen displays the touch screen MAC and IP addresses, subnet mask address, default router address, primary and secondary DNS addresses, hostname, and domain name. A **Link** indicator is provided to indicate the status of the Ethernet connection. (Green indicates that the Ethernet connection is active.)

The **Ethernet Diagnostics** screen also provides controls to test the connection to the default router. Tap **On** to begin the test and **Off** to end the test.

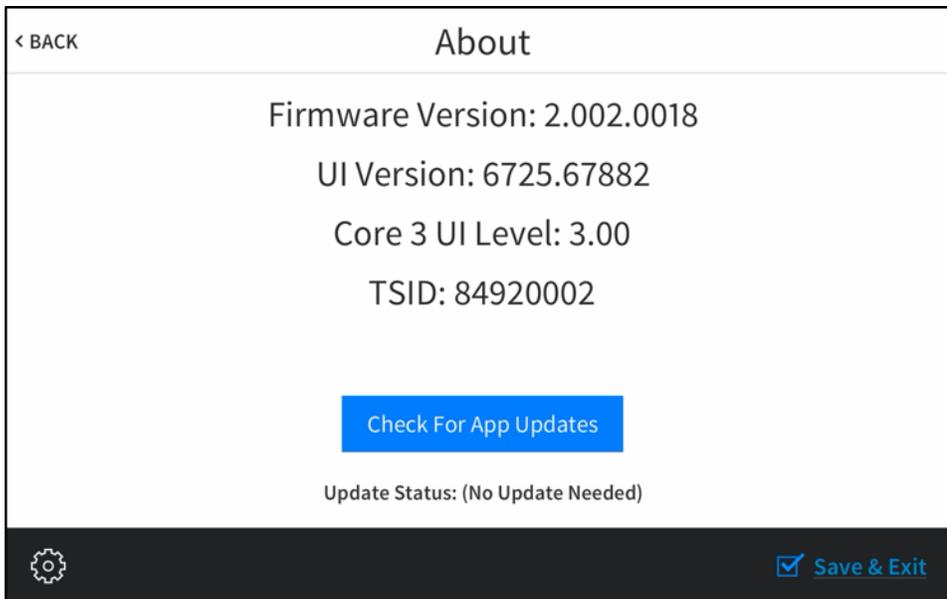
During the router test, the touch screen pings the default router. If the router is communicating with the touch screen, connection data is displayed below the ping test controls within five seconds. The connection data updates after every successive ping.

Tap **< BACK** to return to the **Diagnostics & Advanced** screen.

## About

Tap **About** on the Setup screen to display the **About** screen.

### About Screen



Use the **About** screen to view information about the touch screen, including the firmware version and the operating system versions.

Tap **Check For App Updates** to scan the network for any updates to the touch screen applications. If application updates are available, the touch screen downloads and installs the updates. The status of the updates is shown on the bottom of the screen.

Tap **< BACK** to return to the Setup screen.

# Web Configuration

The touch screen may be monitored and configured using the included web configuration interface. The configuration interface is accessible from a web browser if the touch screen IP address is known. This interface is also accessible using the Crestron XiO Cloud™ service.

To access the configuration interface:

1. Use the Device Discovery tool in Crestron Toolbox™ software to discover the touch screen and its IP address on the network.
2. Open a web browser.
3. Enter the touch screen IP address into the browser URL field. The configuration interface is displayed (TSS-10 shown).

**NOTE:** If authentication is enabled for the touch screen, an administrator username and password must be entered prior to accessing the web configuration interface. For more information on configuring authentication settings, refer to [Authentication Management \(on page 25\)](#).

## Web Configuration Interface



The configuration interface provides a **Status** tab for monitoring touch screen settings and a **Settings** tab for configuring touch screen settings and for selecting a touch screen application. The device hostname is displayed at the top left of the page.

**NOTE:** Some device settings may be displayed or hidden depending on the selected application mode.

If the Crestron room scheduling application is running on the touch screen, the web configuration utility provides additional configuration options for the room scheduling

application. For more information, refer to the Crestron Room Scheduling Panels Operations Guide (Doc. 8205) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

The **Status** tab is the default tab that is displayed, as shown in the image on the previous page.

## Actions Menu

The configuration interface provides an **Actions** drop-down menu on the top right of the page. The **Actions** menu may be accessed at any time.

### Actions Menu



Once any changes have been made to the touch screen configuration, the **Actions** button changes to a **Save Changes** button. Click **Save Changes** to save changes to the configuration settings.

If a reboot is required after changes have been saved, a dialog box is displayed asking whether the reboot should be performed. Select **Yes** to reboot the device or **No** to cancel the reboot.

The **Actions** menu provides the following selections.

### Reboot

Click **Reboot** to reboot the touch screen.

After **Reboot** is selected, a dialog box is displayed asking whether the touch screen should be rebooted. Select **Yes** to reboot the device or **No** to cancel the reboot.

### Restore

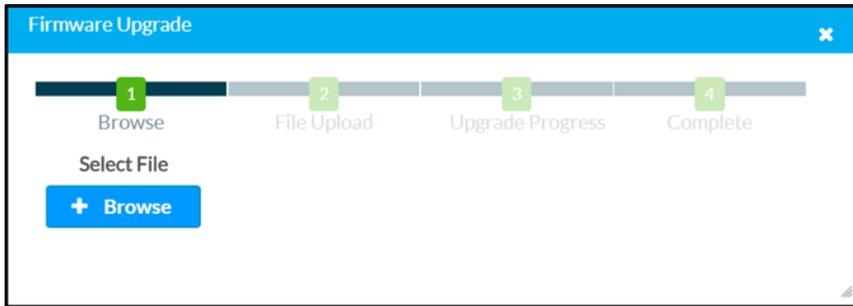
Click **Restore** to restore the touch screen configuration settings to their default values.

After **Restore** is selected a dialog box is displayed asking whether the device settings should be restored. Select **Yes** to restore the settings or **No** to cancel the restore.

## Firmware Upgrade

Click **Firmware Upgrade** to upgrade the touch screen firmware manually with a downloaded PUF (package update file). The **Firmware Upgrade** dialog box opens.

### Firmware Upgrade Dialog Box



To upload a firmware PUF through the web configuration interface:

**NOTE:** Visit [www.crestron.com/firmware](http://www.crestron.com/firmware) to download the latest firmware PUF.

1. Click **Browse**, and then navigate to the firmware PUF on the host computer.
2. Select the firmware PUF, and then click **Open**.
3. Click **Load** to load the PUF to the touch screen. The upload progress is shown in the dialog box.
4. Once the touch screen has completed the firmware upgrade, click **OK**.

Click the **x** button to close the Firmware Upgrade dialog box at any time during the upgrade process. Clicking the **x** button before the PUF is uploaded to the touch screen cancels the upgrade.

## Download Logs

Click **Download Logs** to download the touch screen message logs for diagnostic purposes. The message files download as a compressed .tgz file. Once the compressed file is downloaded, extract the message log files to view them.

## Manage Certificates

Click **Manage Certificates** to manage any certificates that are installed on the touch screen. For more information on certificate management, refer to [802.1x Configuration \(on page 34\)](#).

## Enter Setup

Click **Enter Setup** to force the touch screen to enter its built-in setup interface.

## Enter Standby

Click **Enter Standby** to force the touch screen to enter standby mode.

## Save Changes

Click **Save Changes** to save any changes made to the configuration settings.

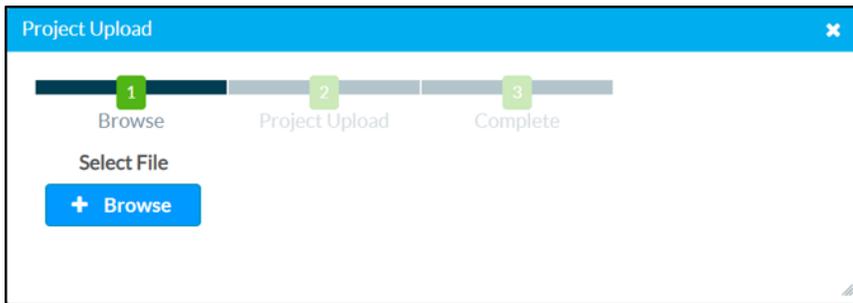
## Revert

Click **Revert** to revert the touch screen back to the last saved configuration settings.

## Upload User Project

Click **Upload User Project** to upload a custom user scheduling project to the touch screen. A **Project Upload** dialog box opens.

### Project Upload Dialog Box



**NOTE:** This selection is available only if the touch screen is running in Crestron room scheduling mode.

To upload a custom user scheduling project:

1. Click **Browse**, and then navigate to the project .vtz file on the host computer.
2. Select the project .vtz file, and then click **Open**.
3. Click **Load** to load the project .vtz file to the touch screen. The upload progress is shown in the dialog box.
4. Once the touch screen has completed the project upload, click **OK**.

Click the **x** button to close the **Project Upload** dialog box at any time during the upgrade process. Clicking the **x** button before the project file is uploaded to the touch screen cancels the upload.

## App Upgrade

Click **App Upgrade** to update the currently selected application. The update progress is shown in a pop-up window.

Once the update is complete, click **OK** to close the pop-up window.

## Status

Click the **Status** tab on the top left of the configuration interface to display selections for viewing the status of device, network, and control system settings.

Click on a selection name to expand the selection. If the selection is expanded, click the selection name again to collapse the section.

### Status Tab Selections

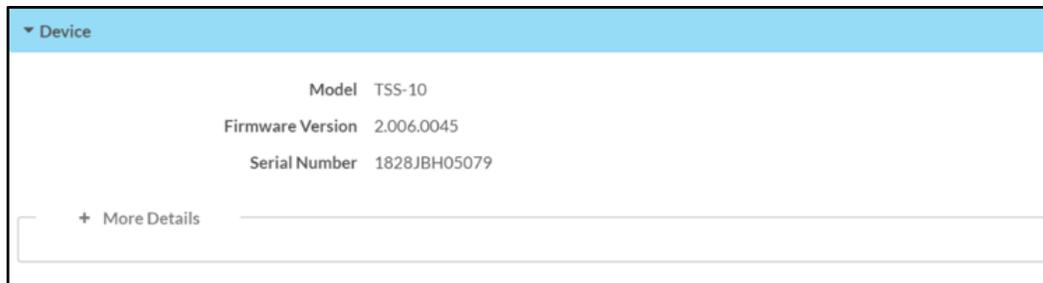


Each selection is described in the sections that follow.

## Device

Click **Device** to view general device information.

### Status Tab - Device



The following **Device** information is displayed:

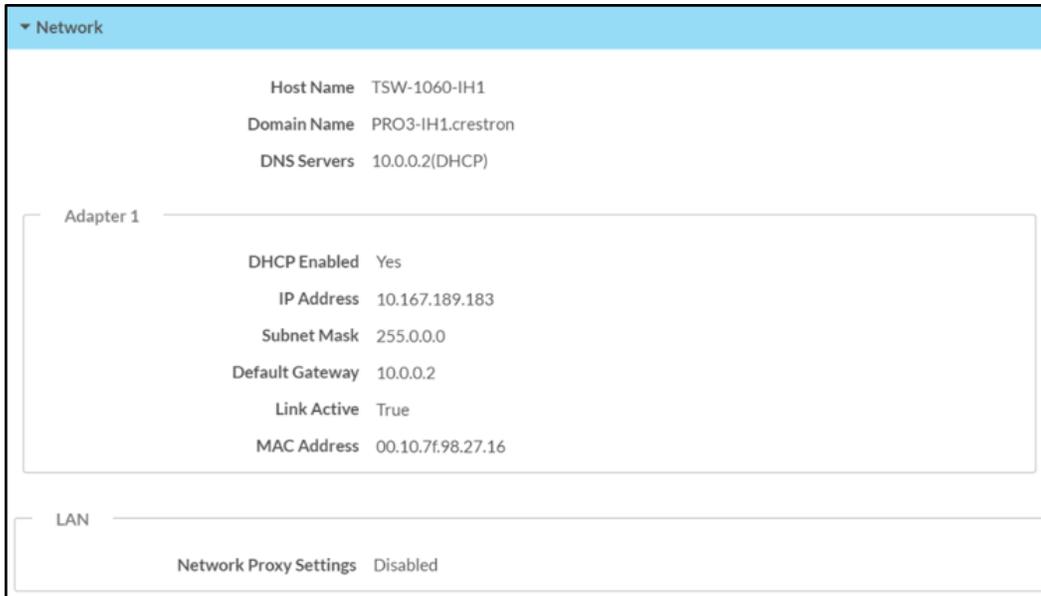
- **Model:** The touch screen model name
- **Firmware Version:** The firmware version loaded onto the touch screen
- **Serial Number:** The touch screen serial number

Click **+ More details** at the bottom of the **Device** tab to display an expanded section that shows additional touch screen information. If **+ More Details** is selected, click **- Less details** to collapse the section.

## Network

Click **Network** to view the status of the network settings for the touch screen.

### Status Tab - Network



The following **Network** information is displayed:

- **Host Name:** The touch screen hostname
- **Domain Name:** The touch screen domain name
- **DNS Servers:** The DNS (domain name server) addresses used to resolve the touch screen domain to an IP address
- **DHCP Enabled:** Reports whether the IP address is static (Yes) or dynamic (No)
- **IP Address:** The touch screen IP address
- **Subnet Mask:** The touch screen subnet mask address
- **Default Gateway:** The gateway router address
- **Link Active:** Reports the status of the Ethernet connection (A true message indicates that the Ethernet connection is active, while a false message indicates that the Ethernet connection is inactive.)
- **MAC Address:** The unique touch screen MAC (media access control) address
- **Network Proxy Settings:** Reports whether network proxy settings are enabled or disabled for the touch screen

For more information on configuring network settings, refer to [System Setup \(on page 19\)](#).

## USB

Click **USB** to view the status of a connected USB accessory, such as a room scheduling hallway sign or light bar.

### Status Tab - USB

▼ USB	
Accessory Connected	Unknown
Accessory Type	Unknown

The following **USB** information is displayed:

- **Accessory Connected:** The name of the connected accessory
- **Accessory Type:** The type of connected accessory

## Room Scheduling

Click **Room Scheduling** to view the status of the room if using a room scheduling application.

### Status Tab - Room Scheduling

▼ Room Scheduling	
Room Status	Unknown
Calendar Sync	Unknown
Fusion Online Status	Unknown

The following **Room Scheduling** information is displayed:

- **Room Status:** The status of the connected room (available or reserved)
- **Calendar Sync:** The status of the sync between the touch screen and the room scheduling calendar
- **Crestron Fusion Online Status:** The status of the Crestron Fusion connection (if applicable)

## Display

Click **Display** to view the display status.

### Status Tab - Display

▼ Display	
Display Status	On

The **Display Status** field indicates the display status (on, standby, or screensaver).

## Settings

Click the **Settings** tab on the top left of the configuration interface to display selections for configuring various touch screen settings and to select a touch screen application.

### Settings Selections

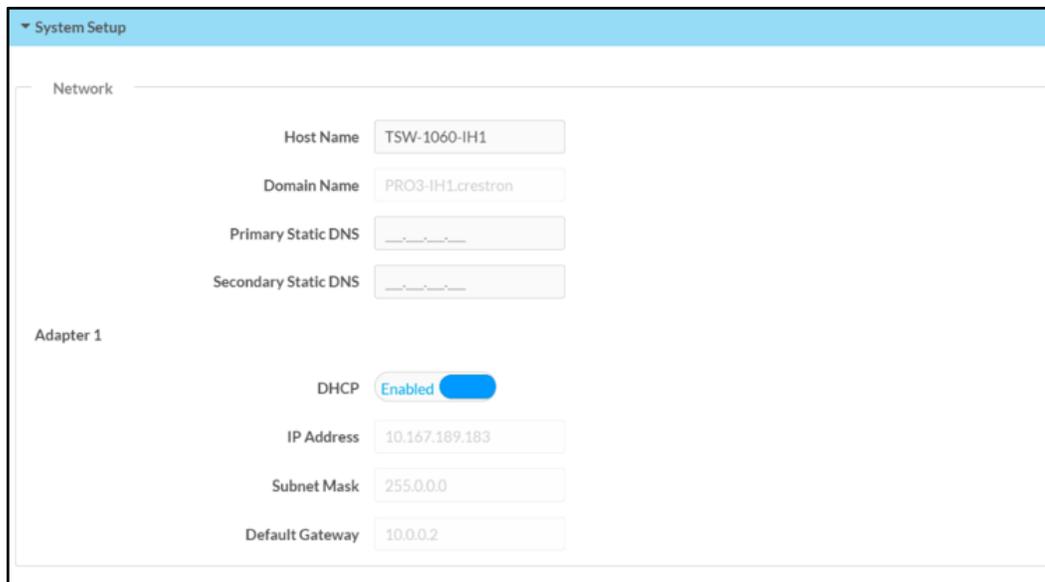


Each selection is described in the sections that follow.

## System Setup

Click **System Settings** to configure general network and touch screen settings.

### Settings Tab - System Setup



(Continued on following page)

## Settings Tab - System Setup (continued)

Device Display

LCD

Auto Brightness  Off

ALS Threshold Value

Brightness

Brightness High Preset

Brightness Medium Preset

Brightness Low Preset

Hard Key

Backlight  Enabled

Backlight Brightness

Backlight Auto Brightness  Off

ALS Threshold Value

Backlight High Preset

Backlight Medium Preset

Backlight Low Preset

Wakes LCD  On

Screensaver and Standby

Standby Timeout

Enable Screensaver  Disabled

Enable 24 Hour Digital Clock  Disabled

Brightness

Local Setup Sequence  Enabled

---

Camera

Camera  Enabled

---

Fusion Cloud

Fusion Cloud Settings

Fusion Cloud  Enabled

Fusion Cloud URL

## Network

**NOTE:** The **IP Address**, **Subnet Mask**, and **Default Gateway** fields are required only if DHCP is set to **Disabled**.

- **Host Name:** Enter the touch screen hostname.
- **Domain Name:** Enter the fully qualified domain name on the network.
- **Primary Static DNS:** Enter the primary DNS address.
- **Secondary Static DNS:** Enter the secondary DNS address.
- **DHCP:** Toggle the switch to enable or disable using DHCP.

**NOTE:** If DHCP is enabled, IP does not function until a reply has been received from the server. The touch screen broadcasts requests for an IP address periodically.

- **IP Address:** Enter the touch screen IP address on the network.
- **Subnet Mask:** Enter the touch screen subnet mask address on the network.
- **Default Gateway:** Enter the gateway router address on the network.

## Device Display

- **LCD**
  - **Auto Brightness:** Toggle the switch to turn automatic brightness control for the touch screen LCD display on or off.
  - **ALS Threshold Value:** If **Auto Brightness** is turned on, enter a value (1–100) for the ALS (ambient light sensor) threshold, which is used for switching between high and low auto-brightness presets.
  - **Brightness:** If **Auto Brightness** is turned off, enter a value (1–100) for the LCD display brightness.
  - **Brightness High Preset:** Enter a value (1–100) for the LCD display high brightness preset.
  - **Brightness Medium Preset:** Enter a value (1–100) for the LCD display medium brightness preset.
  - **Brightness Low Preset:** Enter a value (1–100) for the LCD display low brightness preset.
- **Hard Key**
  - **Backlight:** Toggle the switch to enable or disable the hard key backlight.
  - **Backlight Brightness:** If **Backlight** is enabled, enter a value (1–100) for the key backlight brightness.
  - **Backlight Auto Brightness:** If **Backlight** is enabled, toggle the switch to turn automatic brightness control for the key backlight on or off.

- **ALS Threshold Value:** If **Backlight** and **Backlight Auto Brightness** are both enabled, enter a value (1–100) for the backlight button ALS threshold, which is used for switching between high and low auto-brightness presets.
- **Backlight High Preset:** Enter a value (1–100) for the key backlight high brightness preset.
- **Backlight Medium Preset:** Enter a value (1–100) for the key backlight medium brightness preset.
- **Backlight Low Preset:** Enter a value (1–100) for the key backlight low brightness preset.
- **Wakes LCD:** Toggle the switch to turn the ability to wake the LCD display by tapping the hard keys on or off.
- **Screensaver and Standby**
  - **Standby Timeout:** Enter a standby timeout duration (1–120 seconds) for the touch screen.
  - **Enable Screensaver:** Toggle the switch to enable or disable displaying a screensaver on the touch screen during standby timeout.
  - **Enable 24 Hour Digital Clock:** Toggle the switch to enable or disable displaying a 24-hour digital clock on the touch screen during standby timeout.
  - **Brightness:** Enter a value (1–100) for the LCD display brightness during standby timeout.
  - **Local Setup Sequence:** Toggle to switch to enable or disable local access to the setup screens using the five-finger press or 1-2-3-4 button sequence.

### Camera Settings

Toggle the **Camera** switch to enable or disable using the touch screen camera. This setting is not available for the TSW-x60-NC and TSW-560P models.

### Crestron Fusion Cloud Settings

**NOTE:** If connecting to a Crestron Fusion® software on-premises server, connections are made using either traditional (outbound) or inbound communications. For more information, refer to the Crestron Fusion 10 On-Premises Software Getting Started Guide (Doc. 7685) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

- **Crestron Fusion Cloud:** Toggle the switch to enable or disable a connection to a Crestron Fusion Cloud server. This connection is only applicable when the scheduling mode is set to Crestron Default or User Project.
- **Crestron Fusion Cloud URL:** Enter the URL used to connect the touch screen to the desired Crestron Fusion Cloud server.

## Network Proxy Settings

Click **Network Proxy Settings** to configure network proxy settings for the touch screen.

### Settings Tab – Network Proxy Settings

Network Proxy Settings

Proxy  Disabled

HTTP Settings

HTTP Proxy  Disabled

HTTP Proxy Address

HTTP Proxy Port

Username

Password

HTTPS Settings

HTTPS Proxy  Disabled

HTTPS Proxy Address

HTTPS Proxy Port

Username

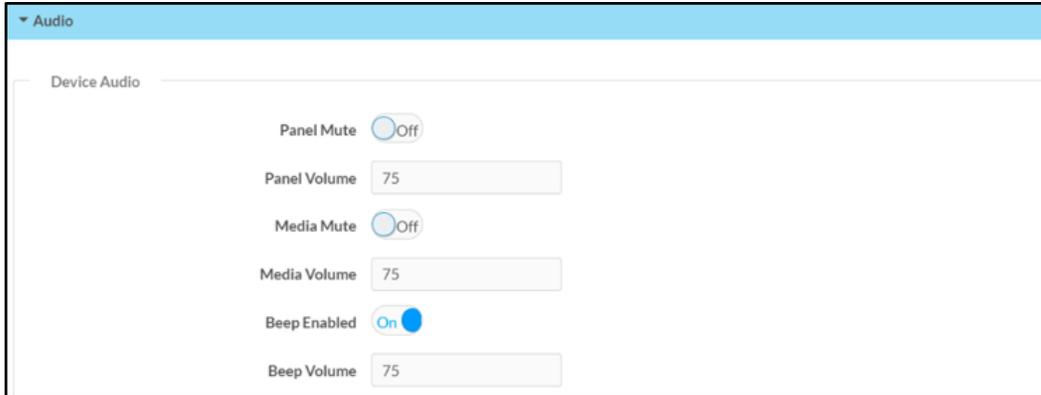
Password

- **Proxy:** Toggle the switch to enable or disable configuring the touch screen for use with a proxy server.
- **HTTP Settings**
  - **HTTP Proxy:** Toggle the switch to enable or disable an HTTP proxy server.
  - **HTTP Proxy Address:** Enter the IP address of the HTTP proxy server.
  - **HTTP Proxy Port:** Enter the port number of the HTTP proxy server.
  - **Username:** Enter the username required for the HTTP proxy server.
  - **Password:** Enter the password required for the HTTP proxy server.
- **HTTPS Settings**
  - **HTTPS Proxy:** Toggle the switch to enable or disable an HTTPS proxy server.
  - **HTTPS Proxy Address:** Enter the IP address of the HTTPS proxy server.
  - **HTTPS Proxy Port:** Enter the port number of the HTTPS proxy server.
  - **Username:** Enter the username required for the HTTPS proxy server.
  - **Password:** Enter the password required for the HTTPS proxy server.

## Audio

Click **Audio** to configure various audio settings for the touch screen.

### Settings Tab – Audio Settings



**NOTE:** The **Media Volume** setting adjusts the H.264 streaming media level in relation to the **Panel Volume** setting.

- **Panel Mute:** Toggle the switch to mute (**On**) or unmute (**Off**) the touch screen master volume.
- **Panel Volume:** Enter a value (1–100) for the touch screen master volume level.
- **Media Mute:** Toggle the switch to mute (**On**) or unmute (**Off**) the touch screen media volume.
- **Media Volume:** Enter a value (1–100) for the touch screen media volume level.
- **Beep Enabled:** Toggle the switch to turn the touch screen beep volume on or off.
- **Beep Volume:** Enter a value (1–100) for the touch screen beep volume.

## Cloud Settings

Click **Cloud Settings** to enable or disable a connection between the touch screen and a Crestron XiO Cloud™ service account. A connection to the Crestron XiO Cloud service is enabled by default.

### Settings Tab – Cloud Settings



Toggle the **Cloud Configuration Service Connection** switch to enable or disable a connection between the touch screen and a Crestron XiO Cloud account.

For more information on connecting to the Crestron XiO Cloud service, refer to [Connect to Crestron XiO Cloud Service \(on page 79\)](#).

## Configure Date/Time

Click **Configure Date/Time** to configure date and time settings for the touch screen.

### Settings Tab – Configure Date/Time

▼ Configure Date/Time

Time Synchronization

Enable Time Synchronization  On

Time Server

Time Configuration

Time Zone

Time(24hr Format)

Date

Schedule Display Time Options

Schedule Display Date Format

Schedule Display Time Format

- **Time Synchronization**

- **Enable Time Synchronization:** Toggle the switch to turn time synchronization via SNTP (Simple Network Time Protocol) on or off.
- **Time Server:** With **Enable Time Synchronization** set to **On**, enter the SNTP server used to synchronize the date and time for the touch screen.
- **Synchronize Now:** With **Enable Time Synchronization** set to **On**, tap **Synchronize Now** to synchronize the touch screen with the SNTP server entered for **Time Server**.

- **Time Configuration**

- **Time Zone:** Select a time zone for the touch screen using the drop-down menu.
- **Time(24hr Format):** Select the time for the touch screen (in 24-hour format) using the pop-up menu that is displayed.
- **Date:** Select the date for the touch screen using the pop-up calendar that is displayed.

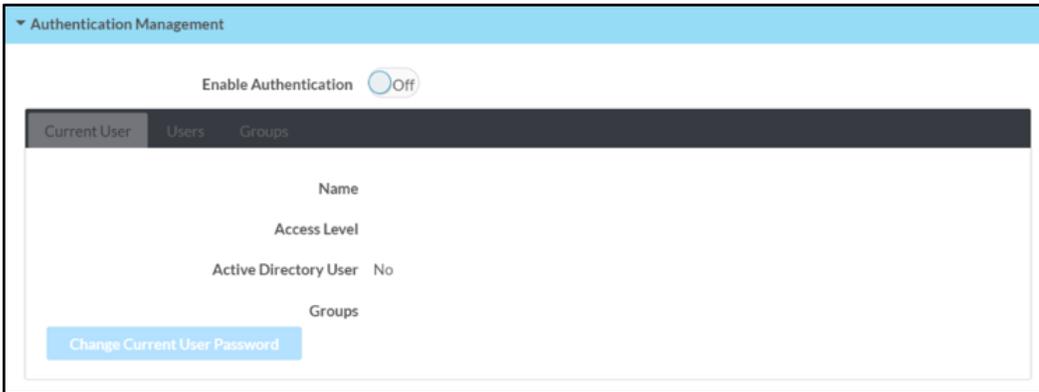
- **Schedule Display Time Options**

- **Schedule Display Date Format:** Select the format that the date will display on the touch screen.
- **Schedule Display Time Format:** Select the format that the time will display on the touch screen.

## Authentication Management

Click **Authentication Management** to configure authentication management for touch screen users and groups and to set different access levels.

## Settings Tab - Authentication Management



Toggle the **Enable Authentication** switch to turn authentication for the touch screen on or off. Authentication is turned on by default.

When authentication is turned on, the web configuration interface prompts the user to enter a new administrator username and password. After rebooting the touch screen, this username and password must be entered to access the web configuration utility or to connect to the touch screen through Crestron Toolbox™ software.

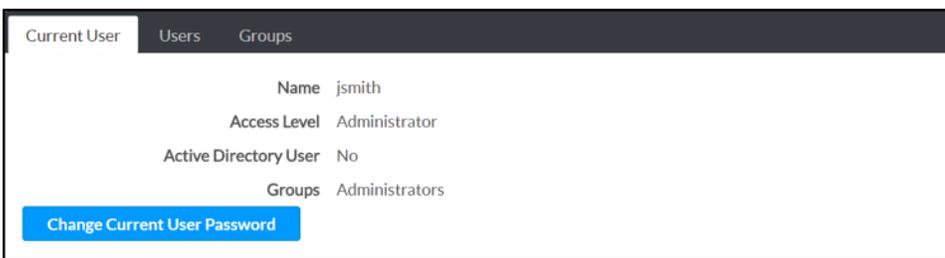
**CAUTION:** Do not lose the administrator username and password, as the touch screen settings must be restored to factory defaults to reset the username and password.

Use the following **Authentication Management** settings to add, delete, and edit touch screen users and groups.

### Current User

Click the **Current User** tab to view and edit information for the current touch screen user.

### Authentication Management - Current User Tab



The following settings are displayed for the current user:

- **Name:** The chosen username
- **Access Level:** The access level granted to the user (Administrator, Programmer, Operator, User, or Connect)
- **Active Directory User:** Reports whether the current user is (Yes) or is not (No) authenticated through Active Directory® software

**NOTE:** A user must be added to an Active Directory group before the user may be selected as an active directory user. For more information, refer to [Groups \(on page 31\)](#).

- **Groups:** Any groups of which the current user is a member

Click **Change Current User Password** to change the password for the current user. The **Change Password** dialog box is displayed.

#### Change Password Dialog Box

Enter a new password in the **Password** field, and then reenter the password in the **Confirm Password** field.

Tap **OK** to save the new password, or tap **Cancel** to cancel the change.

## Users

Click the **Users** tab to view and edit information for the touch screen users.

### Authentication Management - Users Tab

Username	AD User	Actions
connectaccess	No	  
jsmith	No	  

Enter text in to the **Search Users** field to search for and display users that match the search term(s).

Touch screen users are listed in table format. The following information is displayed for each touch screen user:

- **Username:** The chosen username
- **AD User:** Reports whether the user is (**Yes**) or is not (**No**) authenticated through Active Directory

**NOTE:** A user must be added to an Active Directory group before the user may be selected as an active directory user. For more information, refer to [Groups \(on page 31\)](#).

If the touch screen users span multiple pages, use the navigation arrows on the bottom of the page to move forward or backward through the pages, or select a page number to navigate to that page. Additionally, the number of users displayed on each page may be set to 5, 10, or 20 users.

An **Actions** column is also provided for each user that allows various actions to be performed. The following selections may be selected from the **Actions** column.

### User Details

Click the information button  in the **Actions** column to view information for the selected user. The **User Details** pop-up dialog box is displayed.

### User Details Dialog Box



The dialog box titled "User Details" displays the following information:

Name	jsmith
Active Directory User	No
Groups	Administrators

An "OK" button with a checkmark icon is located at the bottom right.

The following settings are displayed for the current user:

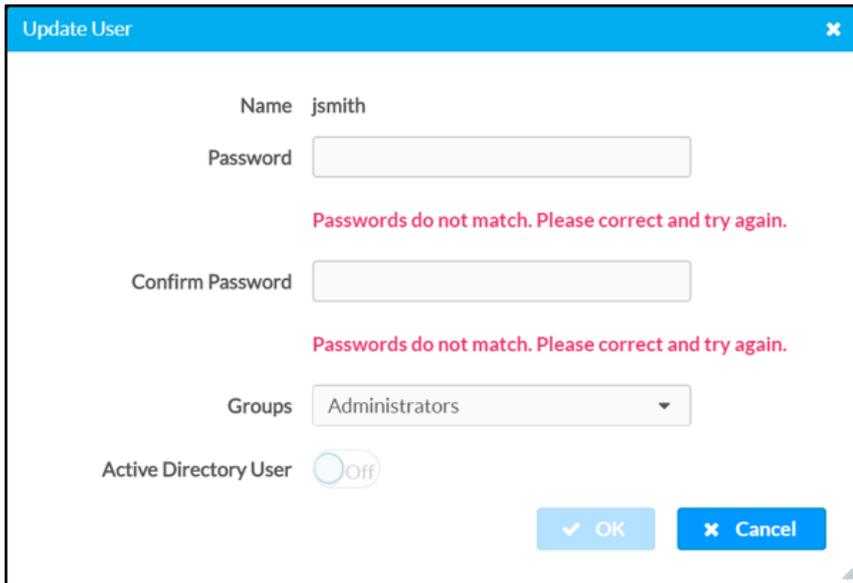
- **Name:** The chosen username
- **Active Directory User:** Reports whether the user is (**Yes**) or is not (**No**) authenticated through Active Directory
- **Groups:** Lists any groups that contain the user

Click **OK** to return to the **Authentication Management > Users** page.

### Update User

Click the editing button  in the **Actions** column to edit settings for the selected user. The **Update User** dialog box is displayed.

### Update User Dialog Box



The dialog box titled "Update User" displays the following fields and controls:

- Name: jsmith
- Password:
- Confirm Password:
- Groups: Administrators (dropdown menu)
- Active Directory User:  Off

Two error messages are displayed in red text:

- Passwords do not match. Please correct and try again.
- Passwords do not match. Please correct and try again.

Buttons for "OK" (with checkmark) and "Cancel" (with X) are at the bottom right.

The following **Update User** settings may be viewed or configured:

- **Name:** The chosen username
- **Password:** Enter a new password for the selected user.
- **Confirm Password:** Reenter the password provided in the **Password** field.
- **Groups:** Add the user to one or more groups. For more information, refer to [Groups \(on the facing page\)](#).
- **Active Directory User:** Toggle the switch to turn authentication via Active Directory on or off for the selected user.

**NOTE:** A user must be added to an Active Directory group to be selected as an Active Directory user.

Click **OK** to save any changes and to return to the **Authentication Management > Users** page. Click **Cancel** to cancel any changes.

#### Delete User

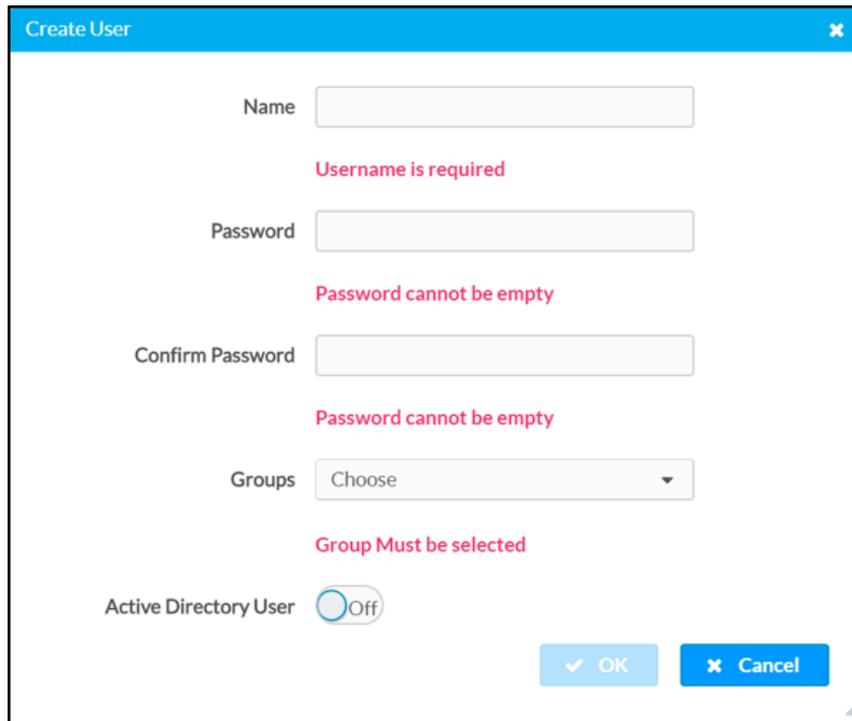
Click the trashcan icon  in the **Actions** column to delete the user.

A pop-up dialog box is displayed asking whether the user should be deleted. Click **Yes** to delete the user or **No** to cancel deleting the user.

#### Create User

Click **Create User** at the bottom of the page to create a new touch screen user. The **Create User** dialog box is displayed.

#### Create User Dialog Box



The screenshot shows a "Create User" dialog box with the following fields and errors:

- Name:**  (Error: Username is required)
- Password:**  (Error: Password cannot be empty)
- Confirm Password:**  (Error: Password cannot be empty)
- Groups:**  (Error: Group Must be selected)
- Active Directory User:**  Off

Buttons:

Use the following settings to create a new user:

- **Name:** Enter a username.
- **Password:** Enter a password for the user.
- **Confirm Password:** Reenter the password provided in the Password field.
- **Groups:** Add the user to one or more groups. For more information, refer to [Groups \(below\)](#).
- **Active Directory User:** Toggle the switch to turn authentication via Active Directory on or off for the user.

**NOTE:** A user must be added to an Active Directory group to be selected as an Active Directory user.

Click **OK** to save any changes and to return to the **Authentication Management > Users** page. Click **Cancel** to cancel creating a new user.

## Groups

Click the **Groups** tab to view and edit settings for touch screen groups. Touch screen groups are used to group users by access level and Active Directory authentication settings.

### Authentication Management - Groups Tab

Group Name	AD Group	Access Level	Actions
Administrators	No	Administrator	
Connects	No	Connect	
Operators	No	Operator	
Programmers	No	Programmer	
Users	No	User	

Enter text in to the **Search Groups** field to search for and display groups that match the search term(s).

Touch screen groups are listed in table format. The following information is displayed for each touch screen group:

- **Group Name:** The chosen group name
- **AD Group:** Reports whether the group is (**Yes**) or is not (**No**) authenticated through Active Directory

**NOTE:** Active Directory provides an additional layer of authentication for touch screen groups and users. Active directory group and user names are stored in the touch screen console along with a unique SID (security identifier). When an Active Directory user attempts to authenticate against the console, the console first checks the user credentials. If the Active Directory authentication is successful, Active Directory queries the console for the user or group's SID. The user is granted access to the touch screen only if at least one SID match is found.

- **Access Level:** The access level for the selected group (**Administrator, Programmer, Operator, User, or Connect**)

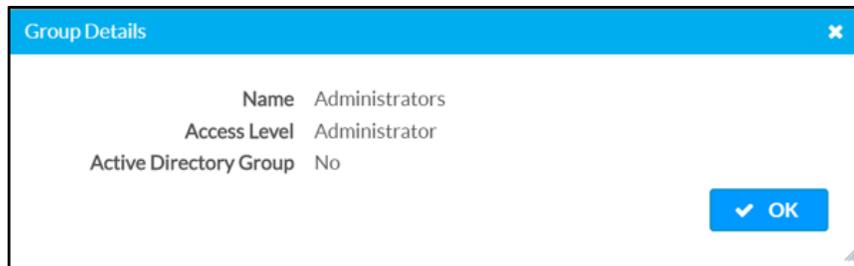
If the touch screen groups span multiple pages, use the navigation arrows on the bottom of the page to move forward or backward through the pages, or select a page number to navigate to that page. Additionally, the number of groups displayed on each page may be set to 5, 10, or 20 users.

An **Actions** column is also provided for each group that allows various actions to be performed. The following selections may be selected from the **Actions** column.

#### Group Details

Click the information button  in the **Actions** column to view information for the selected group. The **Group Details** dialog box is displayed.

#### Group Details Dialog Box



The following settings are displayed for the current group:

- **Name:** The chosen group name
- **Access Level:** The access level of the group and its users
- **Active Directory User:** Reports whether the group is (**Yes**) or is not (**No**) authenticated through Active Directory

Click **OK** to return to the **Authentication Management > Groups** page.

### Delete Group

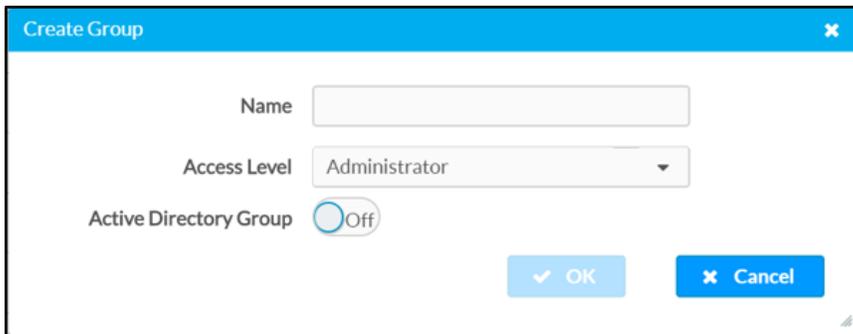
Click the trashcan icon  in the **Actions** column to delete the group.

A pop-up dialog box is displayed asking whether the group should be deleted. Click **Yes** to delete the group or **No** to cancel deleting the group.

### Create Group

Click **Create Group** at the bottom of the page to create a new touch screen group. The **Create Group** dialog box is displayed.

#### Create Group Dialog Box



Use the following settings to create a new group:

- **Name:** Enter a group name.
- **Access Level:** Select an access level for the group and its users from the drop-down menu.
- **Active Directory Group:** Toggle the switch to turn authentication via Active Directory on or off for the group.

Click **OK** to save any changes and to return to the **Authentication Management > Groups** page. Click **Cancel** to cancel creating a new group.

## 802.1x Configuration

Click **802.1x Configuration** to configure IEEE 802.1x network authentication for touch screen security.

### Settings Tab - 802.1x Configuration

▼ 802.1x Configuration

IEEE 802.1x Authentication  Enabled

Authentication Method: EAP MSCHAP V2- pas ▼

Domain:

Username:   
Username cannot be empty

Password:   
Password cannot be empty

Enable Authentication Server Validation  Disabled

Select Trusted Certificate Authoritie(s)

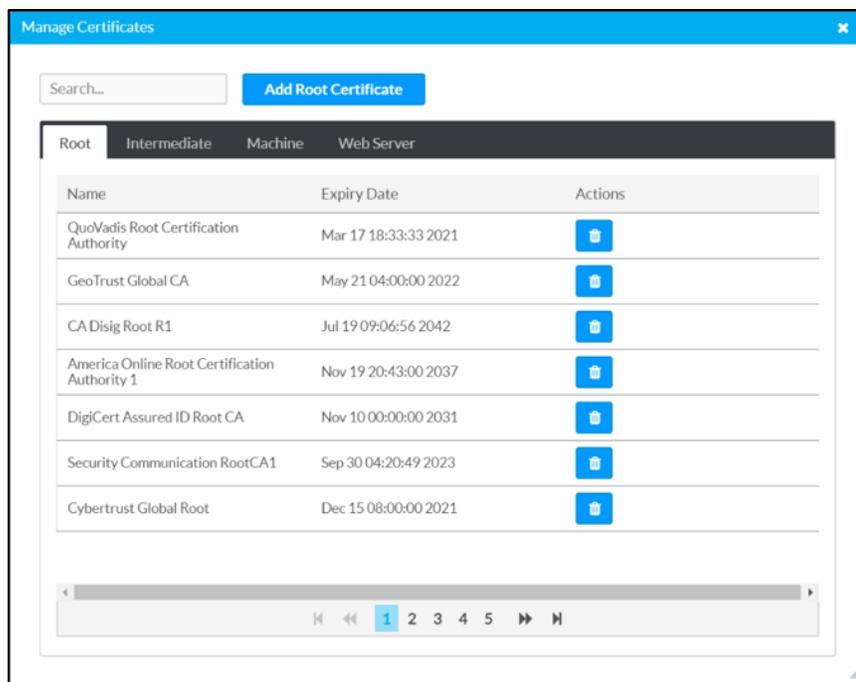
- 
- Amazon Root CA 4
- Atos TrustedRoot 2011
- Autoridad de Certificacion Firmaprofesional CIF A62634068
- Baltimore CyberTrust Root
- Bypass Class 2 Root CA
- Bypass Class 3 Root CA
- CA Disig Root R2
- CFCA EV ROOT
- COMODO Certification Authority
- COMODO ECC Certification Authority
- COMODO RSA Certification Authority
- Certigna
- Certinomis - Root CA
- Certum Trusted Network CA 2
- Certum Trusted Network CA

- **IEEE 802.1x Authentication:** Toggle the switch to enable or disable using 802.1x authentication for the touch screen.
- **Authentication Method:** Select an 802.1x authentication method (**EAP-TLS Certificate** or **EAP MSCHAP V2- password**) from the drop-down menu.
- **Domain:** If **EAP MSCHAP V2- password** is selected for **Authentication Method**, enter a domain name that is required for authentication.
- **Username:** If **EAP MSCHAP V2- password** is selected for **Authentication Method**, enter a username that is required for authentication.
- **Password:** If **EAP MSCHAP V2- password** is selected for **Authentication Method**, enter a password that is required for authentication.

- **Enable Authentication Server Validation:** Toggle the switch to enable or disable using server validation for increased security.
- **Select Trusted Certificate Authorities:** Select trusted CAs (Certificate Authorities) from the provided CAs to be used for server validation:
  - Click the check box to the left of a CA to select it as a trusted CA.
  - Enter a search term into the text field at the top of the CA menu to search for and display CAs that match the search term.
  - Click the check box to the left of the search field at the top of the CA menu to select all CAs as trusted CAs.

Click **Manage Certificates** to add or remove CAs from the list. The **Manage Certificates** dialog box is displayed with the **Root** tab selected.

### Manage Certificates Dialog Box - Root Tab



Click the tabs near the top of the page to switch between the different types of CAs (**Root**, **Intermediate**, **Machine**, or **Web Server**). The same settings are provided for each type of CA.

Type a search term into the **Search...** text field to search for and display CAs that match the search term.

The following information is provided for each type of CA:

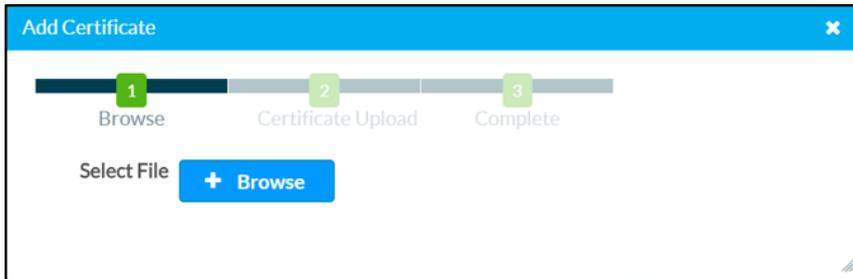
- **Name:** The CA name
- **Expiry Date:** The date and time that the CA is set to expire

If the CAs span multiple pages, use the navigation arrows on the bottom of the page to move forward or backward through the pages, or select a page number to navigate to that page.

Click the trashcan button  in the **Actions** column for a CA to delete it. A pop-up dialog box is displayed asking if the CA should be deleted. Click **Yes** to delete the certificate or **No** to cancel.

Click **Add [Type] Certificate** to add a CA of one of the four available types (**Root**, **Intermediate**, **Machine**, or **Web Server**) to the list of CAs. The **Add Certificate** pop-up dialog box is displayed.

#### Add Certificate Dialog Box



To add a new certificate:

1. Click **Browse**.
2. Navigate to the CA file on the host computer.
3. Select the CA file, and then click **Open**.
4. Click **Load** to load the CA file to the touch screen. The upload progress is shown in the dialog box.
5. Once the touch screen has completed the upload, click **OK**.

Click the **x** button to close the **Add Certificate** dialog box at any time during the upload process. Clicking the **x** button before the CA file is uploaded to the touch screen cancels the upload.

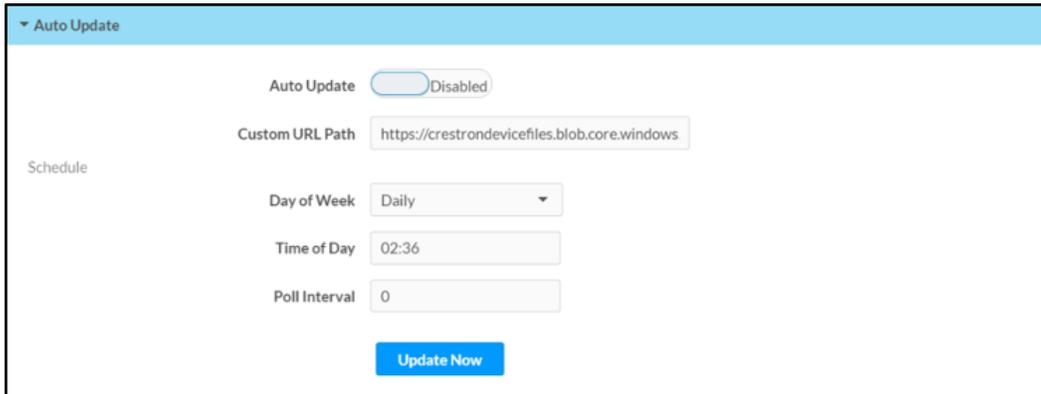
Click the **x** button to close the **Manage Certificates** dialog box and to return to the **802.1x Authentication** page.

## Auto Update

Click **Auto Update** to configure automatic firmware updates for the touch screen.

**NOTE:** The **Auto Update** accordion can be used to configure auto update settings for firmware only. Automatic application updates are not affected by these settings.

### Settings Tab - Auto-Update



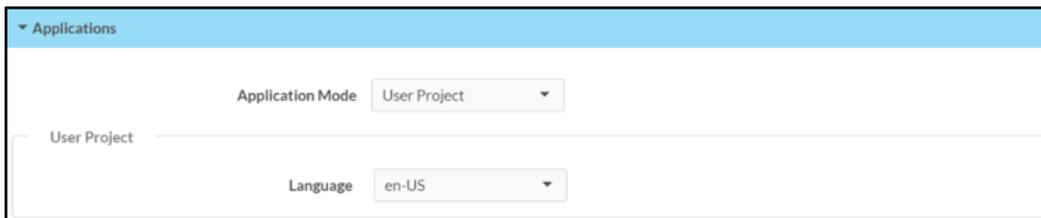
The screenshot shows the 'Auto Update' settings interface. At the top, there is a blue header with a dropdown arrow and the text 'Auto Update'. Below this, the 'Auto Update' toggle switch is set to 'Disabled'. The 'Custom URL Path' is a text input field containing 'https://crestrondevicefiles.blob.core.windows'. Under the 'Schedule' section, the 'Day of Week' is set to 'Daily', the 'Time of Day' is '02:36', and the 'Poll Interval' is '0'. At the bottom, there is a blue 'Update Now' button.

- **Auto Update:** Toggle the switch to enable or disable automatic firmware updates.
- **Control URL Path:** Enter the URL path for the update server.
- **Day of Week:** Select the day of week when the touch screen will check for updates. Select Daily to have the touch screen check for updates every day.
- **Time of Day:** Enter a time of day (in 24-hour format) when the touch screen will check updates on the scheduled day.
- **Poll Interval:** Enter the polling interval (in hours) for when the touch screen will poll the server for updates.
- Click **Update Now** to check the update server for new firmware and to update the touch screen immediately if new firmware is available.

## Applications

Click **Applications** to select an application to run on the touch screen.

### Settings Tab - Applications



The screenshot shows the 'Applications' settings interface. At the top, there is a blue header with a dropdown arrow and the text 'Applications'. Below this, the 'Application Mode' is a dropdown menu set to 'User Project'. Underneath, the text 'User Project' is displayed. At the bottom, the 'Language' is a dropdown menu set to 'en-US'.

Use the **Application Mode** drop-down menu to select a touch screen application from the available selections. **User Project** is selected by default.

Once a new application is selected, click **Save Changes** from the **Actions** menu. A pop-up dialog box is displayed stating that the touch screen must be rebooted for the new application to take effect. Click **Yes** to reboot the touch screen now or **Not** to reboot the touch screen later. The touch screen reboots with the new application running.

**NOTE:** Each application uses a unique setup procedure for registering and configuring the application. For more information on setting up each application, refer to [Application Setup \(on the facing page\)](#).

## Device Pairing

Click **Device Pairing** to configure settings for pairing the touch screen to a CEN-ODT-C-POE. The CEN-ODT-C-POE provides local occupancy reporting for supported room scheduling apps.

**NOTE:** For more information on the occupancy sensor, refer to the CEN-ODT-C-POE Quick Start (Doc. 8258) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

### Settings Tab - Device Pairing

The screenshot shows the 'Device Pairing' settings page. At the top, there is a blue header with a dropdown arrow and the text 'Device Pairing'. Below this, the settings are organized as follows:

- Device Model:** A dropdown menu with 'POE Occ Sensor' selected.
- Pairing Retry Time (Mins):** A text input field containing the number '1'.
- Pairing Status:** A label indicating the current status is 'Offline'.
- Device IP Address/FQDN:** A text input field that is currently empty. To its right, there is a red error message: 'Device IP Address/FQDN is invalid'.
- Device Authentication:** A section header followed by two text input fields: 'Device Username' and 'Device Password', both of which are currently empty.

- **Device Model:** Use the drop-down menu to select **POE Occ Sensor**.
- **Pairing Retry Time (Mins):** Enter a duration (in minutes) that must elapse before the CEN-ODT-C-POE reattempts to pair to the touch screen.
- **Pairing Status:** Reports whether the CEN-ODT-C-POE is paired to the touch screen (**Online**) or not (**Offline**).
- **Device IP Address/FQDN:** Enter the IP address or fully qualified domain name of the CEN-ODT-C-POE. This is required for device pairing.
- **Device Authentication:** Enter authentication credentials for the CEN-ODT-C-POE (if required):
  - **Device Username:** Enter a valid username used to access the device.
  - **Device Password:** Enter a valid password used to access the device.

# Application Setup

The touch screen ships with a variety of preinstalled applications that provide out-of-the-box functionality. Once an application has been selected, it downloads from the cloud and installs on the touch screen automatically.

The following applications ship with the touch screen (as of firmware version 2.009.xxxx):

- Crestron room scheduling application
- Appspace® digital signage application
- AskCody® room scheduling application
- EMS Software® room scheduling application
- Gingco.net™ room scheduling application
- Indoor Finders® room scheduling application
- New Wave Apps® room scheduling application
- NFS™ Rendezvous room scheduling application
- Robin® room scheduling application
- SharingCloud™ room scheduling application (coming soon)
- Space Connect™ room scheduling application
- SpacelQ® room scheduling application
- Teem® room scheduling application
- Zoom Rooms conferencing control and Zoom™ room scheduling application

**NOTE:** Support for additional applications will be provided by future firmware updates.

The touch screen runs only one app, which is selected at setup. Only the apps approved and delivered by Crestron may run on the touch screen.

**NOTE:** Additional subscriptions and/or licenses may be required. Refer to each provider's website for details about the capabilities and requirements of its scheduling application and services.

Use the following sections to set up and troubleshoot each of the provided room scheduling applications.

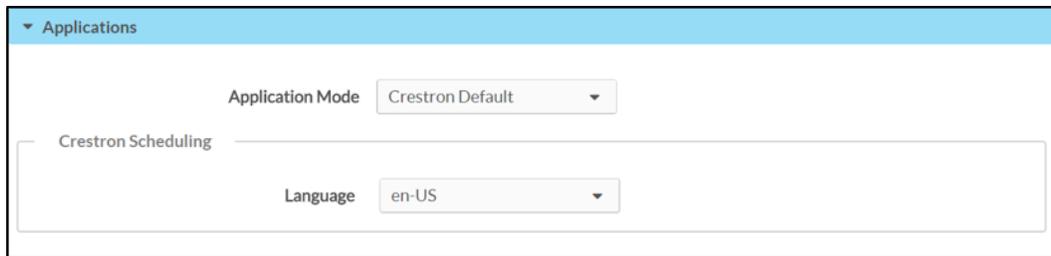
## Crestron Room Scheduling Application

To set up the Crestron room scheduling application on the touch screen:

**NOTE:** A scheduling calendar connection to Crestron Fusion software, Microsoft® Exchange software, the Google Calendar™ calendaring application (via a Google® software account), CollegeNet® 25Live® software, or Ad Astra™ Schedule software is required for this application.

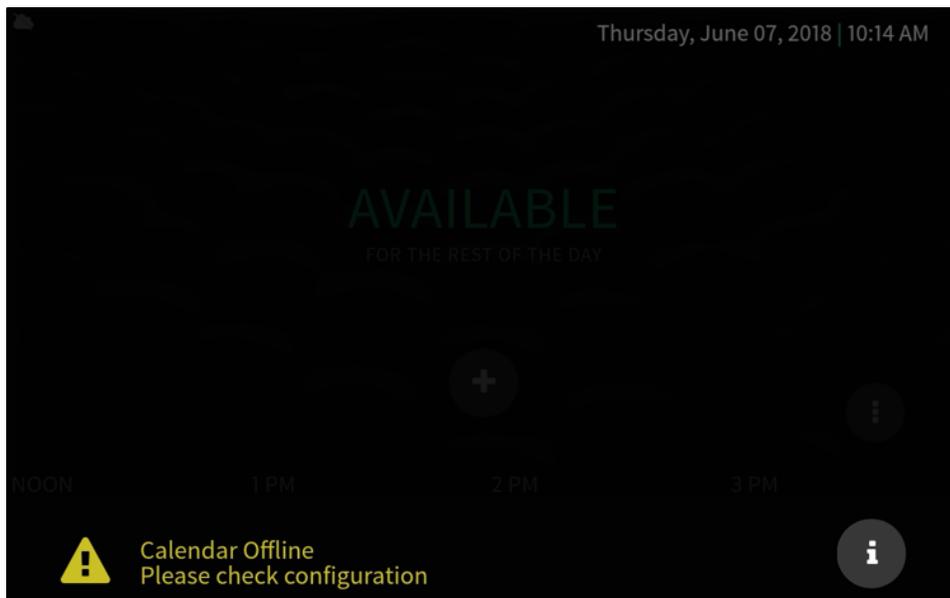
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Crestron Default** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (Crestron Default)



4. Select a language for the application from the **Language** drop-down menu.
5. Reboot the touch screen. The Crestron room scheduling application user interface is displayed on the touch screen following the reboot.

### Crestron Room Scheduling Application



6. Complete the remaining setup and configuration procedures as described in the Crestron Room Scheduling Panels Operations Guide (Doc. 8205) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

For more information regarding scheduling application functionality and the user interface, refer to the Crestron Room Scheduling Panels User Guide (Doc. 8206) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

For more information regarding customizing the scheduling application, refer to the Crestron Room Scheduling Panels Programming Guide (Doc. 8213) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

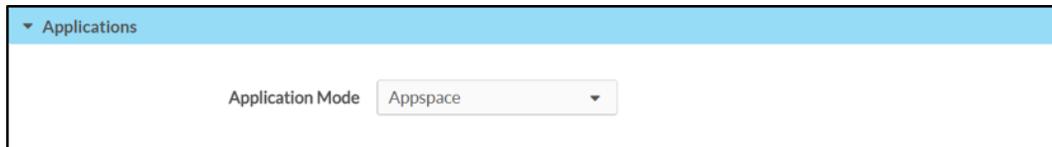
## Appspace

To set up the Appspace digital signage application on the touch screen:

**NOTE:** An Appspace account is required to use this application. For more information and to register an account, visit [www.appspace.com](http://www.appspace.com).

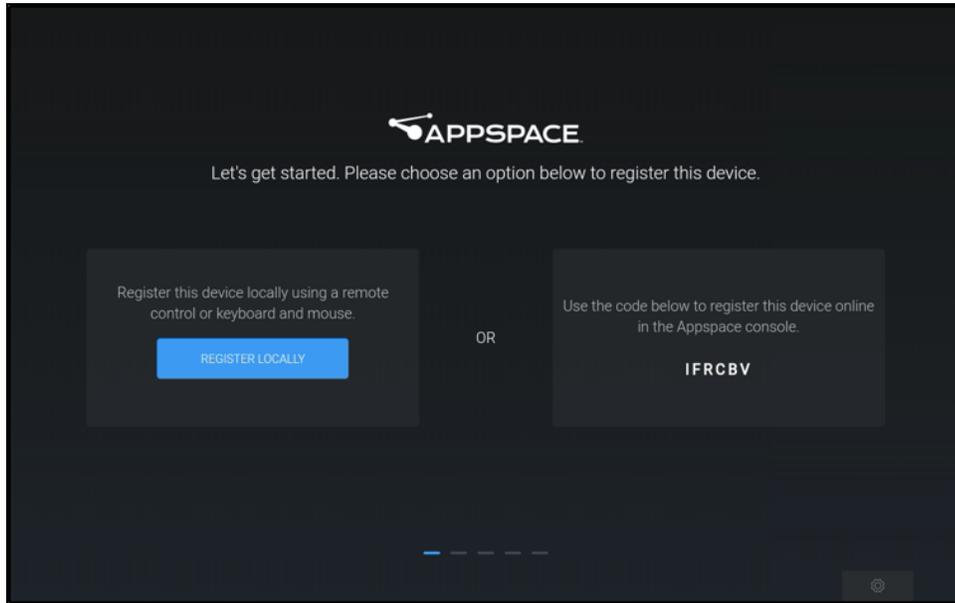
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Appspace** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (Appspace)



4. Reboot the touch screen. The Appspace application user interface is displayed on the touch screen following the reboot.

#### Appspace User Interface

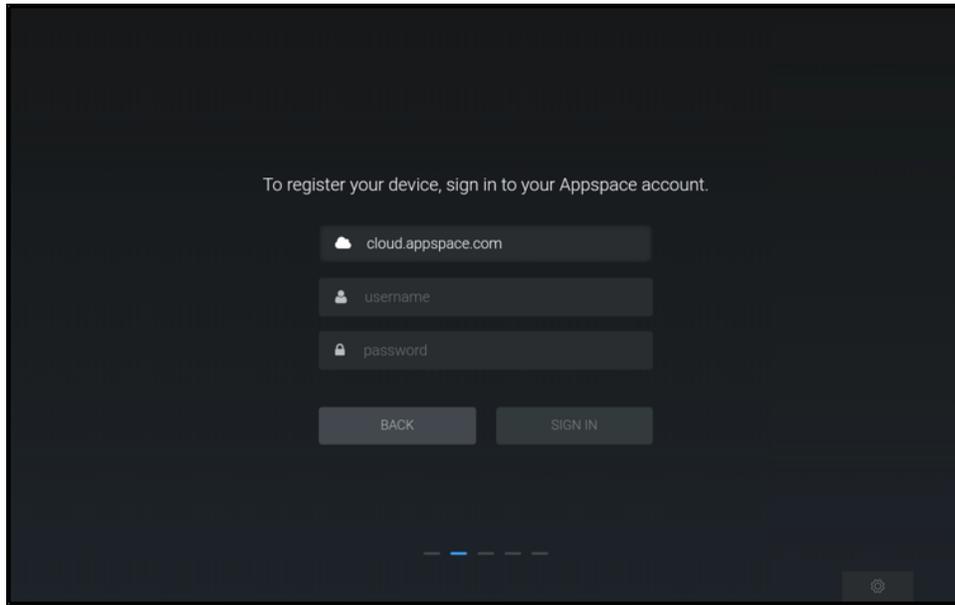


The touch screen may be registered locally with the Appspace application or registered online through the Appspace console.

To register with the Appspace application locally:

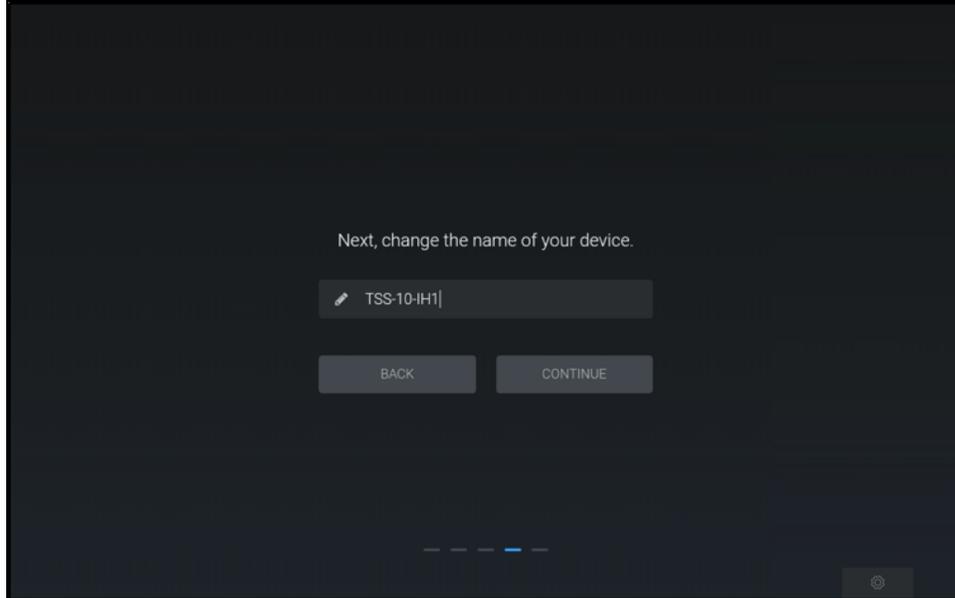
1. Tap **REGISTER LOCALLY** in the first registration option provided by the Appspace user interface.
2. Enter the following Appspace account information with the on-screen keyboard:
  - Enter the Appspace account URL in the first text field (cloud.appspace.com is entered by default).
  - Enter the Appspace account username in the second text field.
  - Enter the Appspace account password in the third text field.

### Appspace User Interface - Register Your Device



3. Tap **SIGN IN**.
4. Enter a name for the touch screen in the device name field. The touch screen MAC address is entered by default.

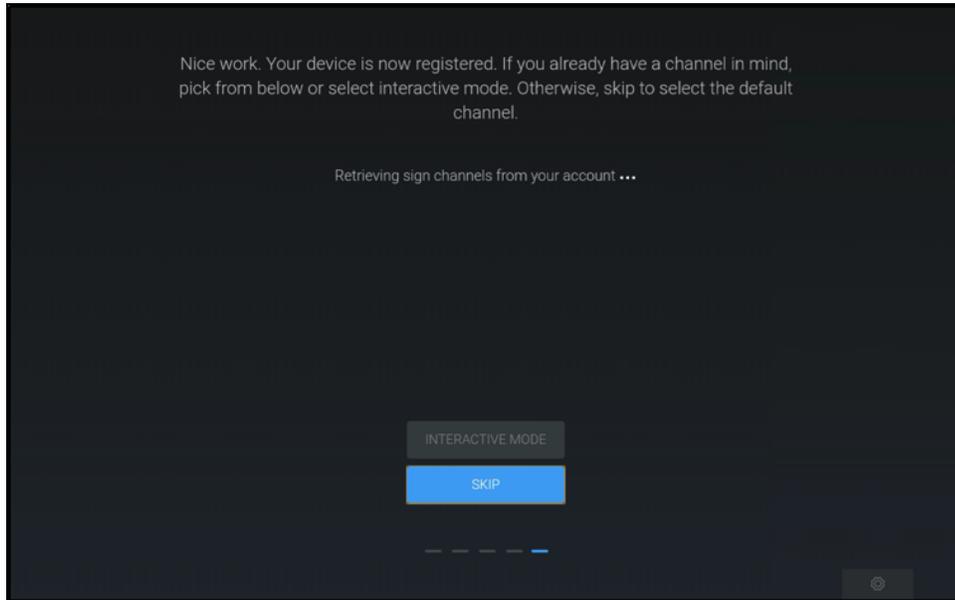
### Appspace User Interface - Name Your Device



5. Tap **CONTINUE**.

If the device registration is successful, the Appspace application attempts to retrieve any channels from the linked account.

### Appspace User Interface - Retrieving Channels

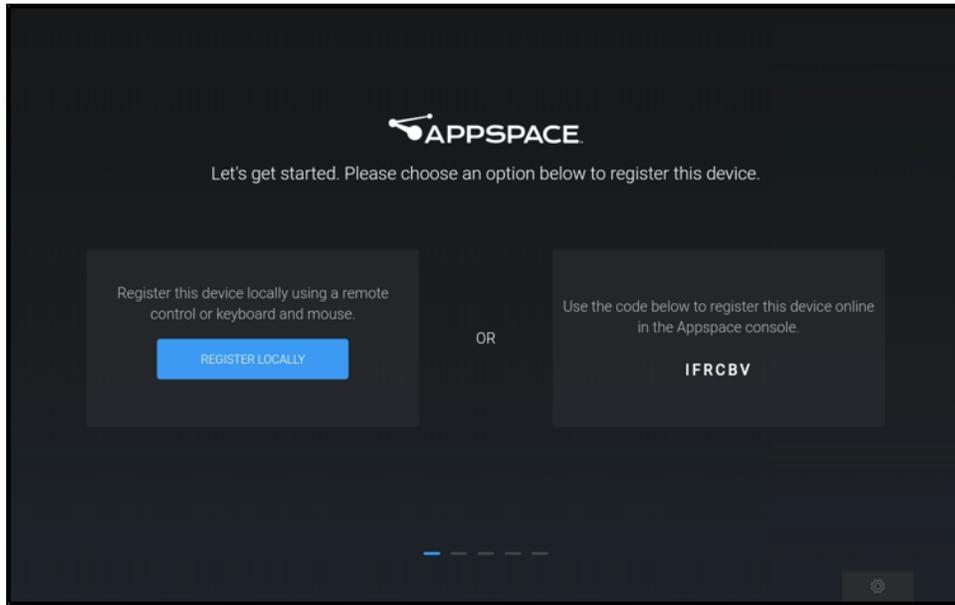


6. Select one of the following options:
  - Tap one of the retrieved channels to display that channel.
  - Tap **INTERACTIVE MODE** to select interactive mode.
  - Tap **SKIP** to select the default channel for the paired account

To register with the Appspace application online:

1. Log in to the Appspace account that will be paired with the touch screen at [www.appspace.com](http://www.appspace.com).
2. Note the six-digit registration code that is displayed in the second registration option provided by the Appspace user interface.

## Appspace User Interface



3. Enter the six-digit code in the **Device Registration** panel on the Appspace dashboard page.

### Appspace Dashboard - Device Registration

#### Device Registration

Enter the 6-character registration code

A - B - C - 1 - 2 - 3

**How do I get my 6-character registration code?**

Download the Appspace App and retrieve the registration code on the splash screen.

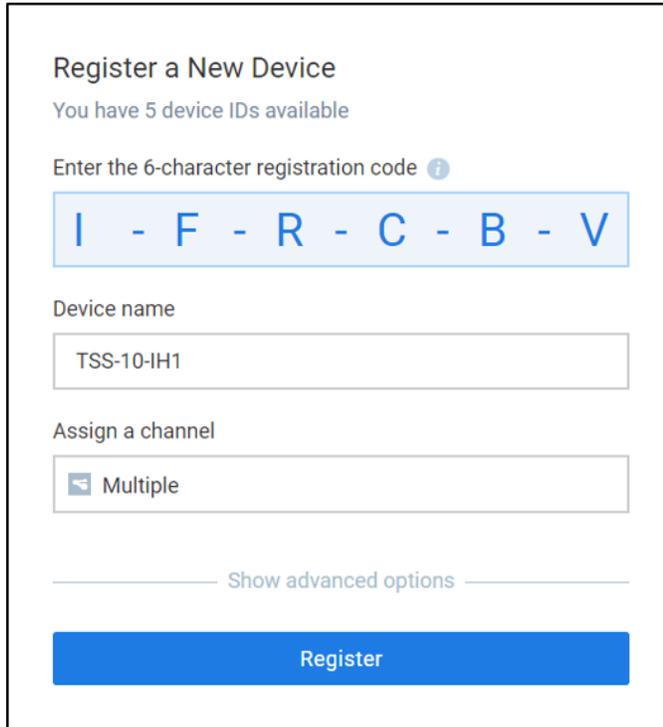


[→ Go to Device Registration](#)

4. Click **GO**.

5. Enter the following information in the **Register a New Device** dialog box that is displayed:
  - Enter a device name in the **Device Name** text field.
  - Assign the channel(s) that should be assigned to the touch screen.

#### Appspace Dashboard - Register a New Device



Register a New Device

You have 5 device IDs available

Enter the 6-character registration code ⓘ

I - F - R - C - B - V

Device name

TSS-10-IH1

Assign a channel

Multiple

Show advanced options

Register

6. Click **Register**.

If the device is registered successfully, a growl notification appears confirming the device registration.

For more information on using the Appspace application, click the help button  on any of the Appspace dashboard pages, or visit <https://docs.appspace.com/appspace/7.0/>.

For technical support, follow the procedures documented at <https://docs.appspace.com/appspace/7.0/getting-started/support/>.

## AskCody

To set up the AskCody room scheduling application on the touch screen:

**NOTE:** An AskCody account is required to use this application. For more information and to register an account, visit [www.goaskcody.com](http://www.goaskcody.com).

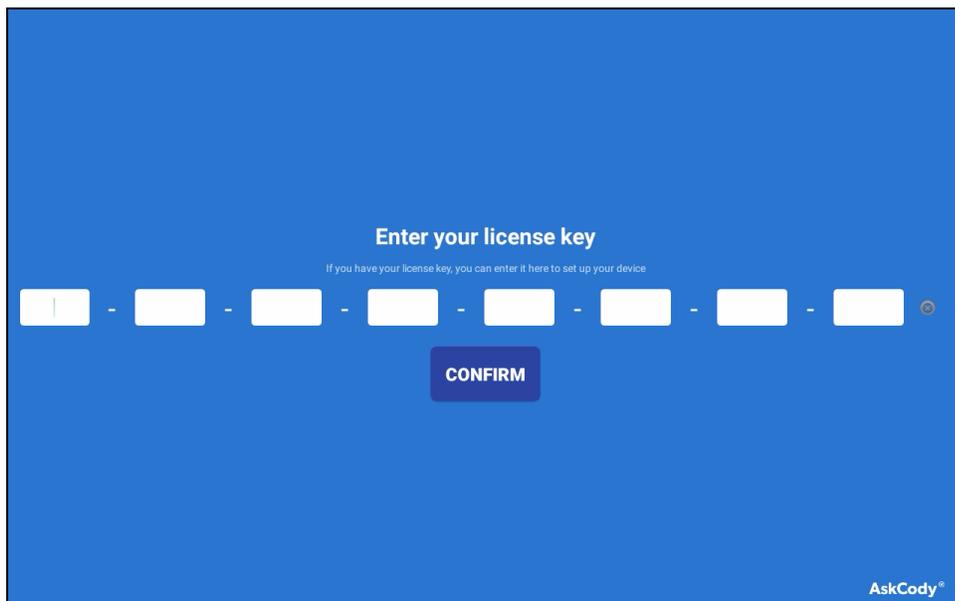
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **AskCody** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (AskCody)



4. Reboot the touch screen. The AskCody application user interface is displayed on the touch screen following the reboot.

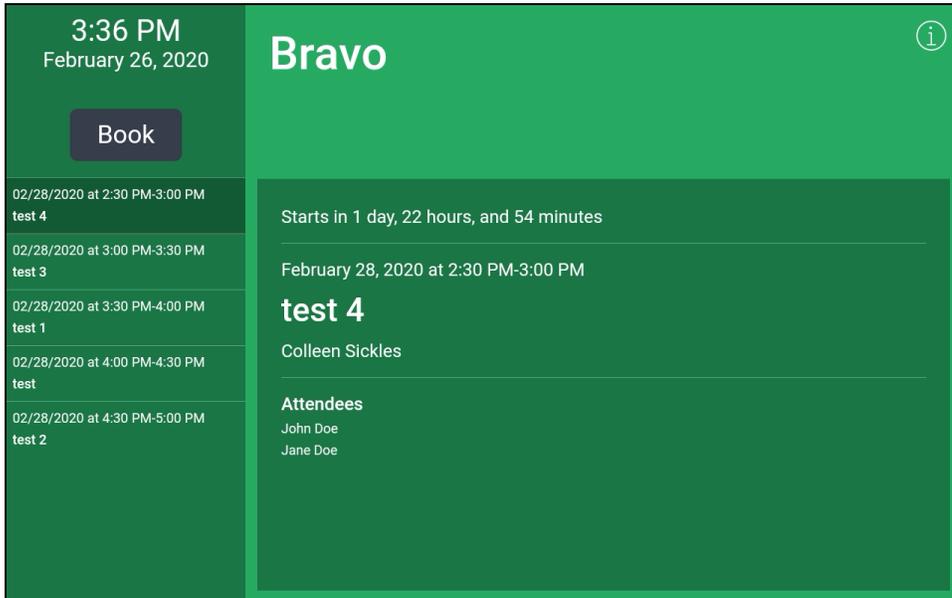
### AskCody User Interface



5. Enter the license key that was provided for your account.
6. Tap **CONFIRM**.

If the license key is validated, the AskCody scheduling interface for your account is displayed.

### AskCody Scheduling Interface



For more information on using the AskCody scheduling interface, refer to the built-in help function in the interface.

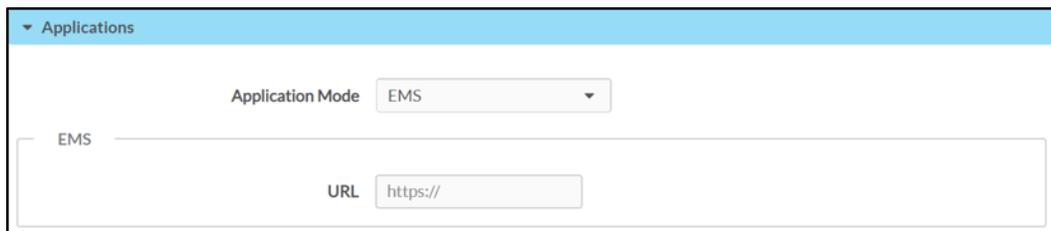
## EMS Software

To set up the EMS Software scheduling application on the touch screen:

**NOTE:** An EMS Software account is required to use this application. For more information and to register an account, visit [www.emssoftware.com](http://www.emssoftware.com).

1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **EMS** from the **Application Mode** drop-down menu.

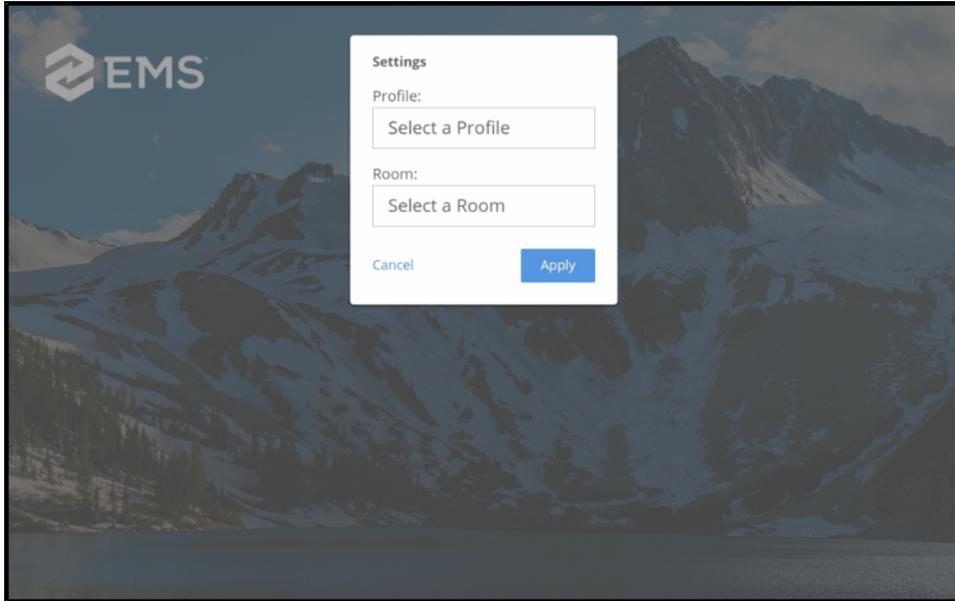
#### Settings Tab - Applications (EMS)



4. Enter the URL of the corporate EMS account in the **URL** text field.

5. Reboot the touch screen. The EMS user interface is displayed on the touch screen following the reboot.

#### EMS User Interface



6. Enter the required EMS Software account information:

**NOTE:** Profiles and rooms must be set up on the network through an EMS Software account prior to selecting them in the application.

- a. Use the **Profile** drop-down menu to select the profile that will be used with the touch screen.
- b. Use the **Room** drop-down menu to select the room that will be used with the touch screen.
- c. Tap **Apply**.

If the device is registered successfully, the application switches to a scheduling interface for the room.

For more information on using the EMS Software application, including adding and configuring a scheduling calendar, visit <https://portal.emssoftware.com/s/>.

For technical support inquiries, visit <https://portal.emssoftware.com/s/support>.

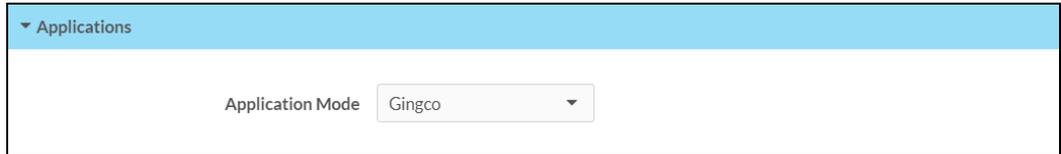
## Gingco.net

To set up the Gingco.net scheduling application on the touch screen:

**NOTE:** A Gingco.net/Estate account is required to use this application. For more information, visit [www.gingco-estate.com/en/home/](http://www.gingco-estate.com/en/home/).

1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Gingco** from the **Application Mode** drop-down menu.

#### Settings Tab - Applications (Gingco)



4. Reboot the touch screen. The Gingco.net user interface is displayed on the touch screen following the reboot.

#### Gingco.net Display User Interface



**NOTE:** A "The server is not responding" message is displayed until the application is connected to a valid room URL. This message is normal prior to initial setup.

5. Tap **Settings**.
6. Use the onscreen keyboard to enter the device settings password when prompted, and then tap **OK**. The default password is "gingco".
7. Enter the following information in the **BROWSER SETTINGS** fields:
  - **URL:** Enter the URL of the room that will be used with the touch screen.
  - **User Name:** Enter the username for the HTTP connection (optional)
  - **Password:** Enter the password for the HTTP connection (optional)

## GINGOCO.NET DISPLAY settings Screen

GINGOCO.NET™ DISPLAY settings

**BROWSER SETTINGS**

URL  
http://

User Name

Password

Enable zooming  
Zoom is not active

**GENERAL SETTINGS**

Settings password

Reload time in case of an error (in seconds)  
15

Time until network error is displayed (in seconds)  
0

Reset saved passwords  
not active

Clear Cache  
Clears the caches of the app

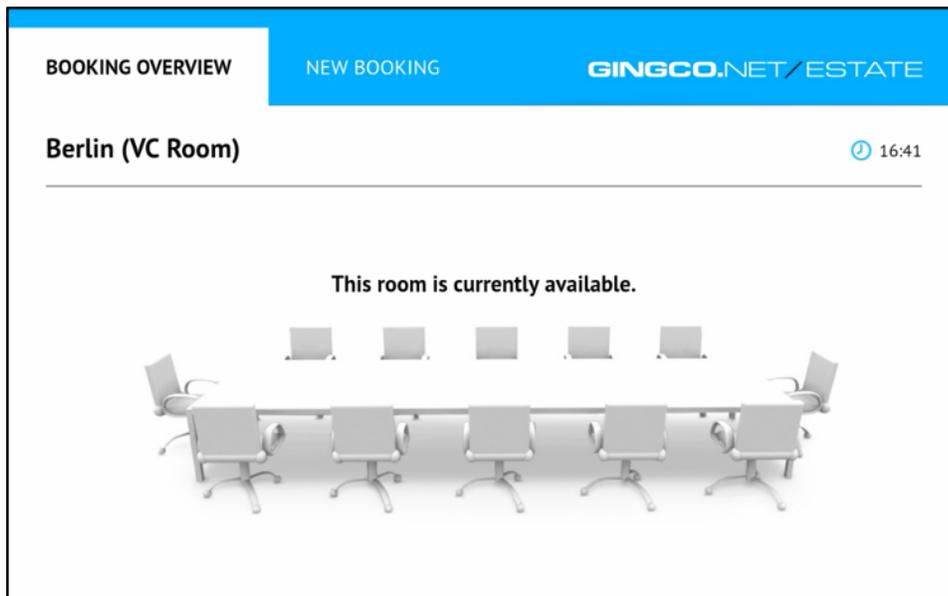
Clear Certificates  
Clears all saved certificates

[Automatically Reboot of Device](#)

8. Configure any other settings as needed and then tap Back at the bottom of the screen. The primary scheduling screen is displayed.

**NOTE:** To access the settings screen once in scheduling mode, press the touch screen display for 10 seconds.

## Gingco.net Scheduling Screen



For more information on using Gingco.net, refer to the help topics within the Gingco.net account portal.

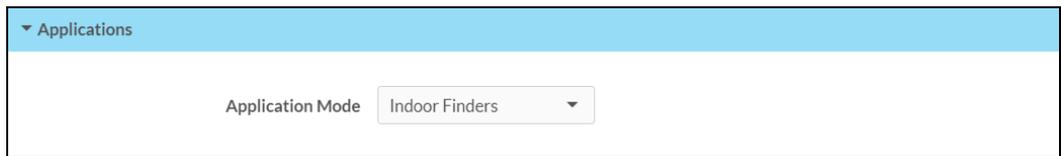
## Indoor Finders

To set up the Indoor Finders scheduling application on the touch screen:

**NOTE:** An Indoor Finders account is required to use this application. For more information, visit [www.indoorfinders.com](http://www.indoorfinders.com).

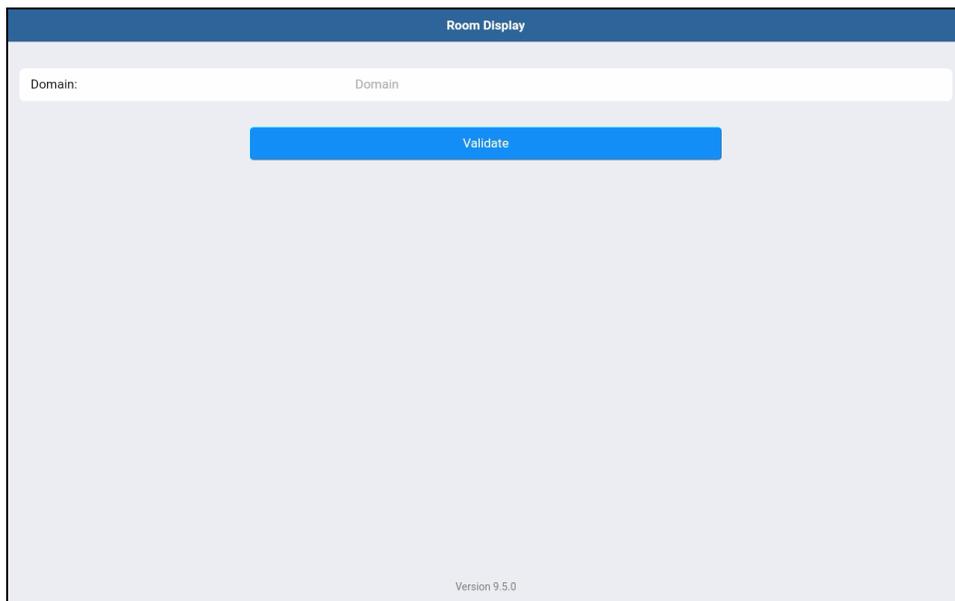
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Indoor Finders** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (Indoor Finders)



4. Reboot the touch screen. The Indoor Finders Room Display interface is displayed on the touch screen following the reboot.

### Indoor Finders Room Display Interface



5. Enter a scheduling environment domain in the **Domain** text field, and then tap **Validate**. If the domain is validated successfully, the **Room Display Unit** screen is displayed.

## Indoor Finders Room Display Unit Screen

The screenshot shows the 'Room Display Unit' login screen. At the top left is a '< Back' button and at the top right is the text 'Room Display Unit'. The IntelliGroups logo is centered. Below the logo are two text input fields: 'Admin ID' with a person icon and 'Password' with a lock icon. A blue 'Login' button is positioned below these fields. Further down is a 'One-time Registration Code' field with a grid icon on the left, and a purple 'Verify Code' button below it. At the bottom center, the text 'Version 9.5.0' is displayed.

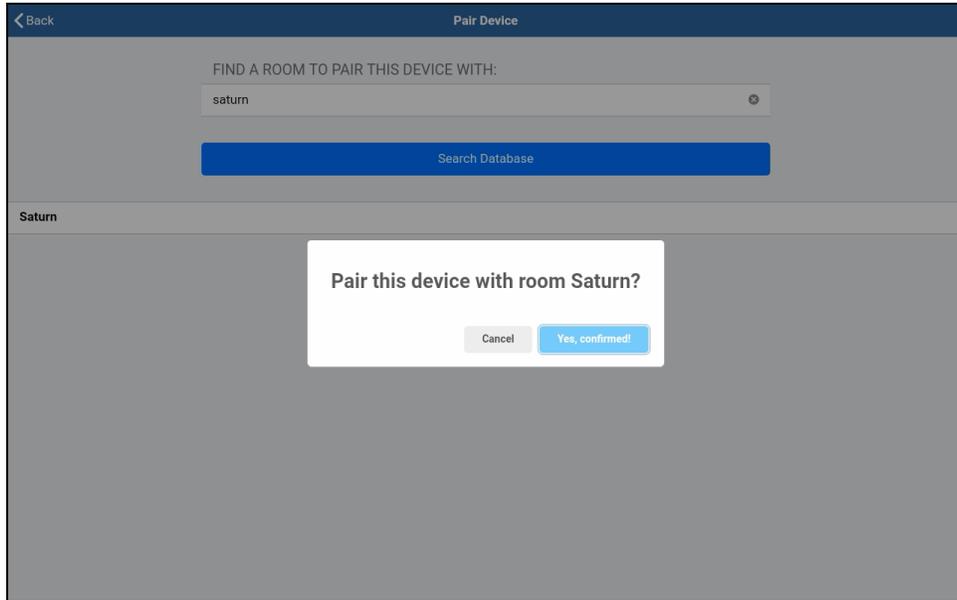
6. Enter the Indoor Finders account credentials:
  - Enter the account admin username in the **Admin ID** text field.
  - Enter the account password in the **Password** text field.
  - If using a registration code, enter the code in the **One-time Registration Code** text field, and then tap **Verify Code**.
7. Tap **Login**. If the account credentials are validated successfully, the **Pair Device** screen is displayed.

## Indoor Finders Pair Device Screen

The screenshot shows the 'Pair Device' screen. At the top left is a '< Back' button and at the top right is the text 'Pair Device'. The heading 'FIND A ROOM TO PAIR THIS DEVICE WITH:' is centered. Below it is a text input field with the placeholder text 'Name contains'. A blue 'Search Database' button is positioned below the input field.

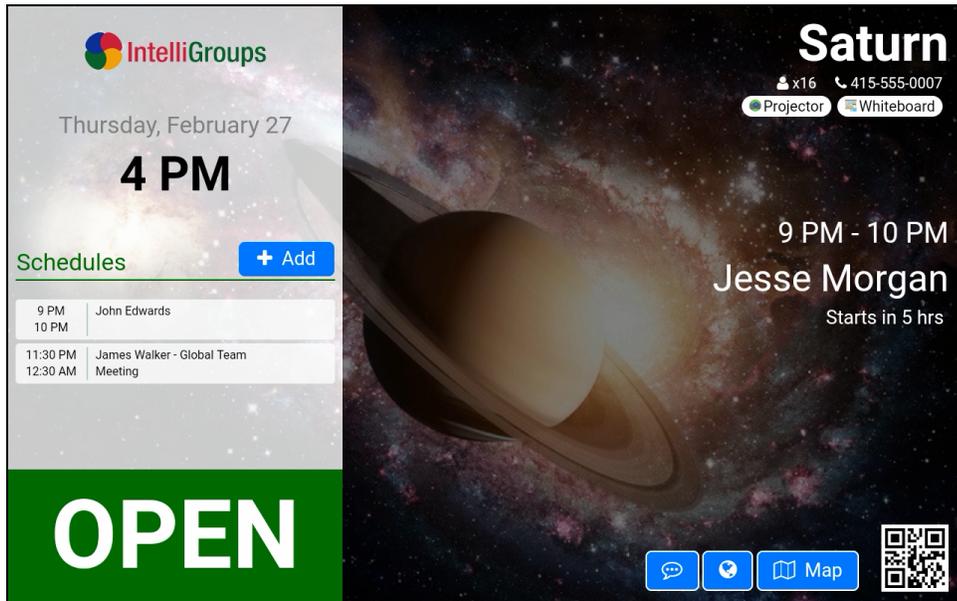
- Enter a full or partial room name in the **Name contains** text field, and then tap **Search Database**. All rooms that contain the search term are displayed.
- Tap the desired room. A dialog box is displayed asking whether the device should be paired with the selected room.

**Pair this device Dialog Box**



- Tap **Yes, confirmed!** to confirm the pairing. The primary scheduling screen is displayed.

**Indoor Finders Scheduling Interface**



For more information on using Indoor Finders, refer to the help file in the administrator account portal.

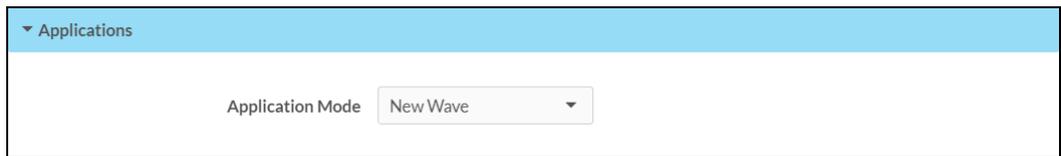
## New Wave Apps

To set up the New Wave Apps scheduling application on the touch screen:

**NOTE:** A New Wave Apps account is required to use this application. For more information, visit <http://www.newwaveapps.com/en/>.

1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **New Wave** from the **Application Mode** drop-down menu.

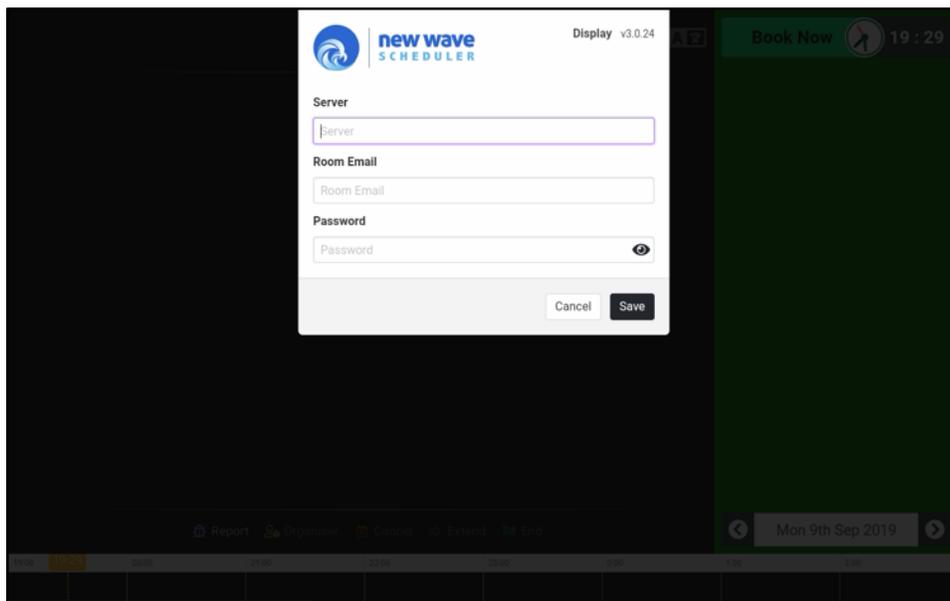
### Settings Tab - Applications (New Wave)



The screenshot shows a web configuration interface for the 'Applications' tab. At the top, there is a blue header with a downward arrow and the text 'Applications'. Below this, the 'Application Mode' is displayed as a dropdown menu with 'New Wave' selected.

4. Reboot the touch screen. The New Wave Apps user interface is displayed on the touch screen following the reboot.

### New Wave Scheduler Display



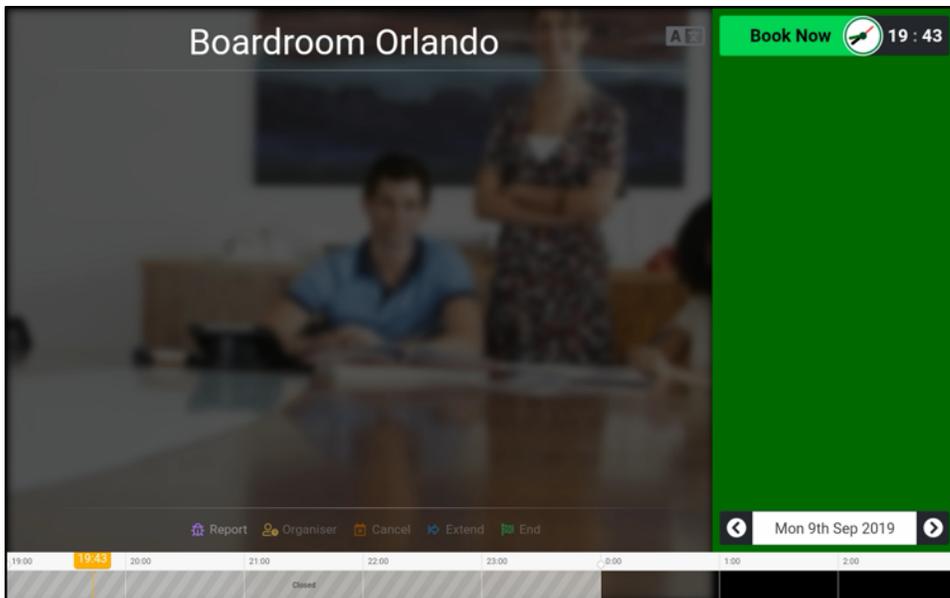
5. Use the on-screen keyboard to enter the required New Wave Apps server and room information:

**NOTE:** Servers and rooms must be set up on the network through a New Wave Apps account prior to using them in the application.

- a. Enter the URL of the New Wave Apps account server in the **Server** field.
- b. Enter the email address associated with the New Wave Apps room in the **Room Email** field.
- c. Enter the account password in the **Password** field.
- d. Tap **Save**.

The primary scheduling screen is displayed.

#### New Wave Scheduling Interface



For more information on using the New Wave Apps scheduler, contact New Wave Apps support at <http://www.newwaveapps.com/en/contact>.

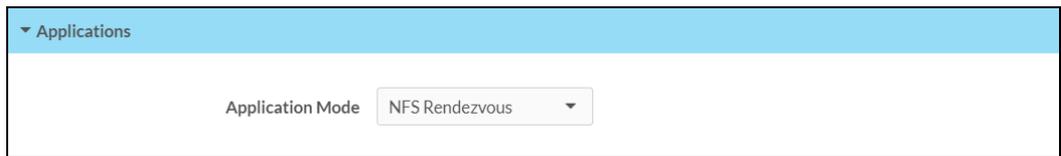
## NFS Rendezvous

To set up the NFS™ Rendezvous scheduling application on the touch screen:

**NOTE:** A NFS Rendezvous account is required to use this application. For more information, visit <https://myrendezvous.net>.

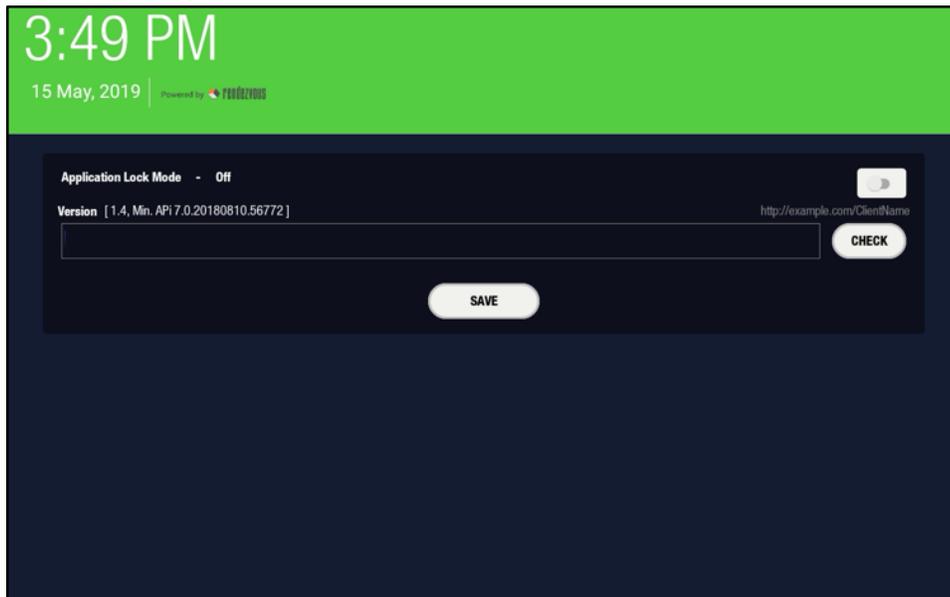
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **NFS Rendezvous** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (NFS Rendezvous)



4. Reboot the touch screen. The Rendezvous user interface is displayed on the touch screen following the reboot.

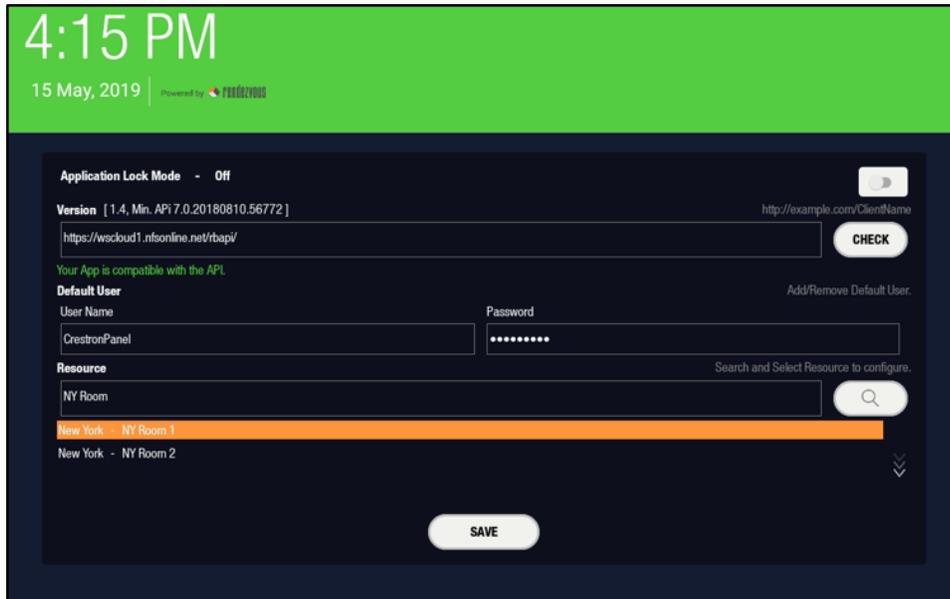
### Rendezvous User Interface



5. Use the onscreen keyboard to enter the URL for the account scheduling API, and then tap **CHECK**.
6. Once the application is verified to work with the scheduling API, tap **SAVE**.
7. In the Alert dialog appears, tap **Yes** to change the API URL, and then tap **OK** to close the alert.

8. Enter the following information in the appropriate fields:
- **User Name:** Enter the account username.
  - **Password:** Enter the account password.
  - **Resource:** Enter at least the first three letters of the resource (room), and then tap the search button (magnifying glass icon) to select a resource from the options that are returned.

#### Rendezvous User Interface - API Fields



The screenshot displays the Rendezvous user interface. At the top, a green header shows the time '4:15 PM' and the date '15 May, 2019'. Below this, the interface is divided into several sections:

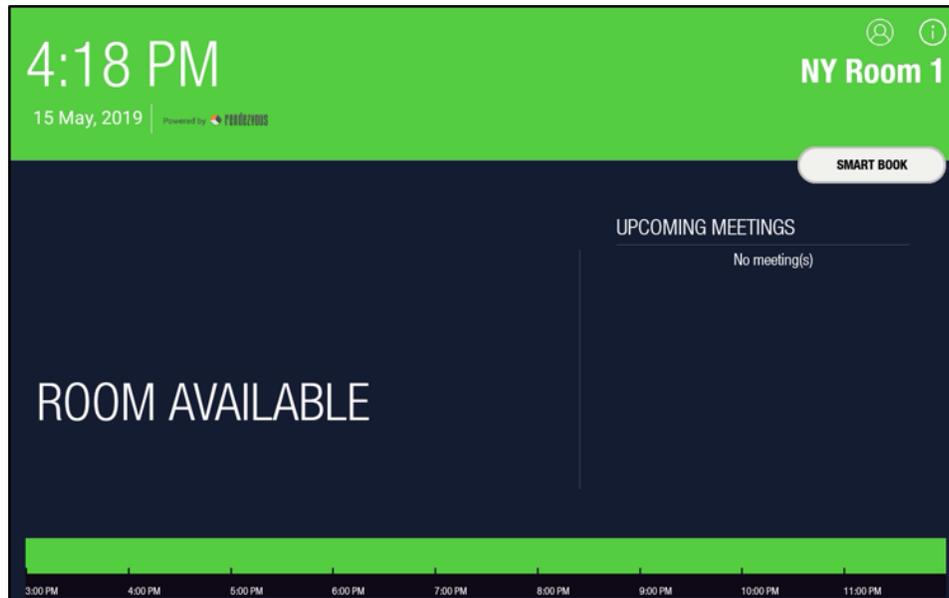
- Application Lock Mode:** Set to 'Off' with a toggle switch.
- Version:** [ 1.4, Min. API 7.0.20180810.56772 ] with a URL field containing 'https://wscoud1.nfonline.net/rbapi/' and a 'CHECK' button.
- Default User:** Includes fields for 'User Name' (containing 'CrestronPanel') and 'Password' (masked with dots), with an 'Add/Remove Default User.' link.
- Resource:** A search field containing 'NY Room' and a magnifying glass icon. Below the search field, a list of resources is shown: 'New York - NY Room 1' (highlighted in orange) and 'New York - NY Room 2'. A 'Search and Select Resource to configure.' label is positioned above the search field.

A 'SAVE' button is located at the bottom center of the interface.

9. Tap **SAVE**.

10. In the Alert dialog appears, tap **Yes** to configure the resource for scheduling. The primary scheduling screen is displayed.

#### Rendezvous- Scheduling Screen



For more information on using Rendezvous, refer to the Rendezvous Workspace User Guide by selecting **Help** from the administrator account portal.

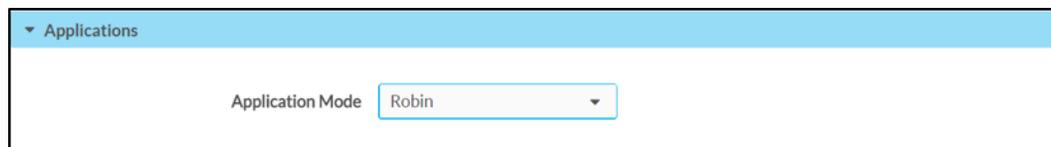
## Robin

To set up the Robin scheduling application on the touch screen:

**NOTE:** A Robin account is required to use this application. For more information, visit [www.robinpowered.com](http://www.robinpowered.com). A scheduling calendar connection to an Office 365 account, a Microsoft Exchange account, or a Google Calendar account may also be used for this application.

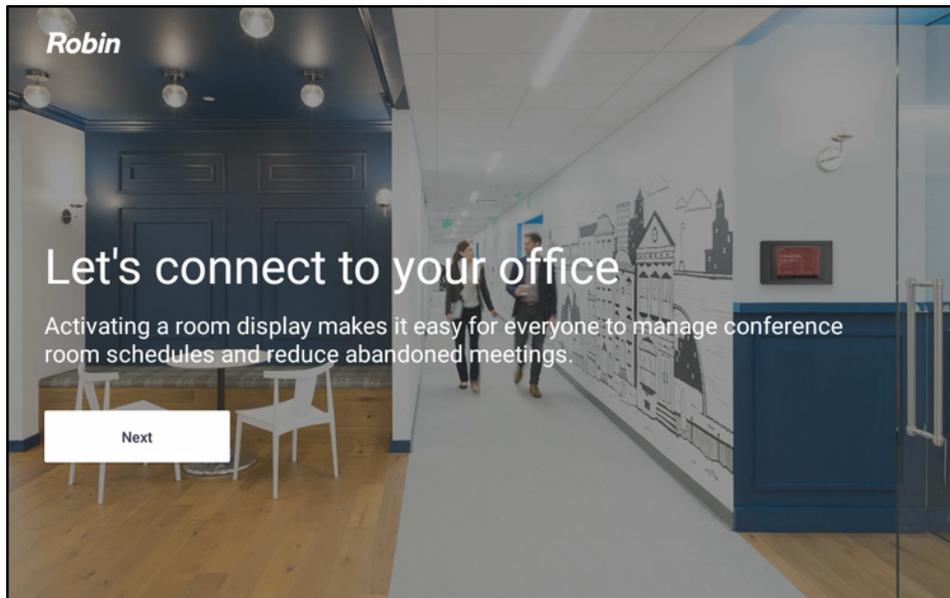
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Robin** from the **Application Mode** drop-down menu.

#### Settings Tab - Applications (Robin)



4. Reboot the touch screen. The Robin user interface is displayed on the touch screen following the reboot.

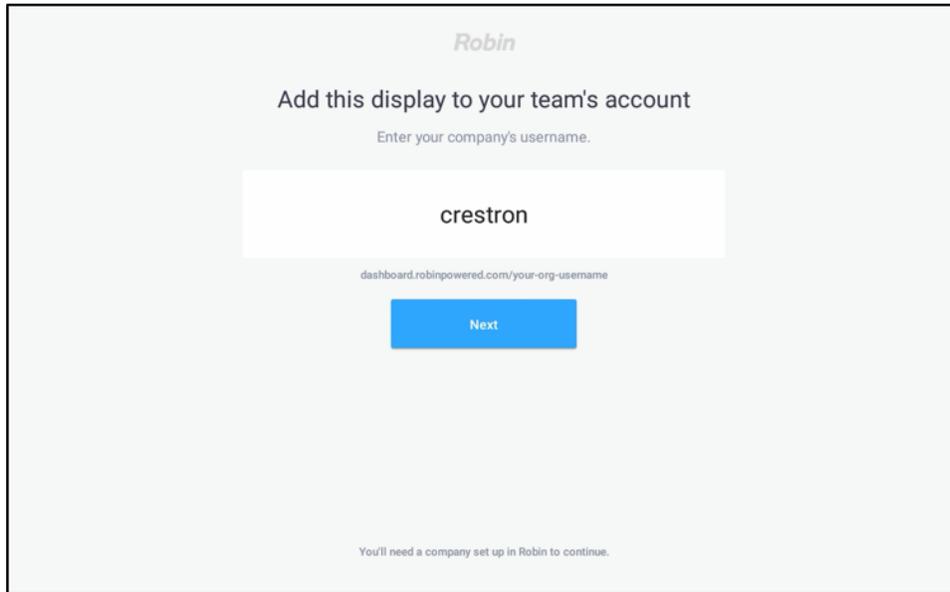
#### Robin User Interface



5. Tap **Next** on the user interface.
6. Enter the company username that is connecting to the touch screen, and then tap **Next**.

**NOTE:** The company must be set up in the Robin web interface before the touch screen may be connected to the company. For more information, refer to <https://support.robinpowered.com/hc>.

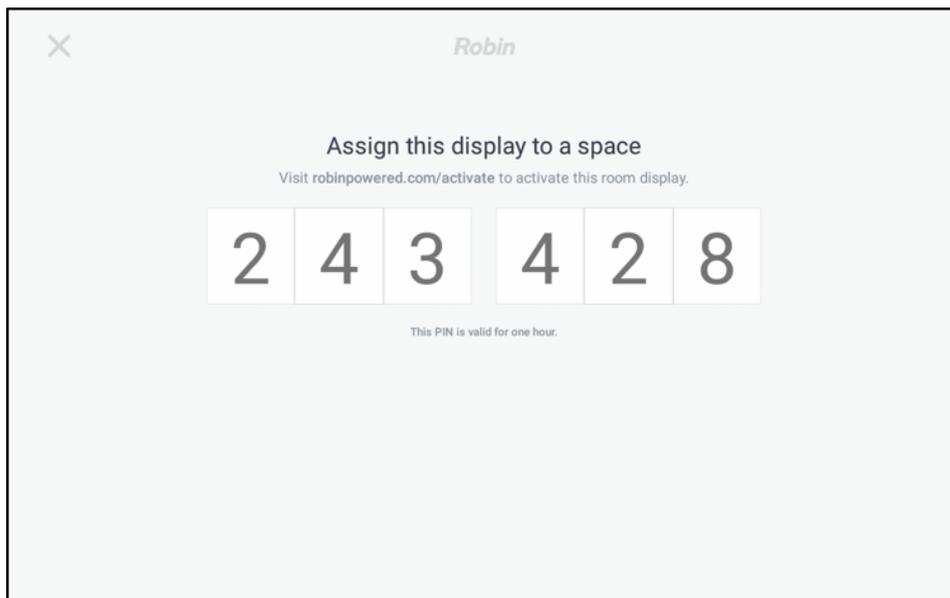
## Robin User Interface - Add Display



The screenshot shows the 'Robin' user interface for adding a display. At the top, the word 'Robin' is displayed in a light gray font. Below it, the heading 'Add this display to your team's account' is centered. Underneath, the instruction 'Enter your company's username.' is followed by a white input field containing the text 'crestron'. Below the input field, the URL 'dashboard.robinpowered.com/your-org-username' is shown in a small font. A blue button with the text 'Next' is positioned below the URL. At the bottom of the screen, a note states 'You'll need a company set up in Robin to continue.'

7. Note the six-digit device PIN that is displayed in the user interface.

## Robin User Interface - PIN



The screenshot shows the 'Robin' user interface for assigning a display to a space. At the top left, there is a close button (an 'X' icon). The word 'Robin' is displayed in a light gray font at the top center. Below it, the heading 'Assign this display to a space' is centered. Underneath, the instruction 'Visit robinpowered.com/activate to activate this room display.' is followed by a six-digit PIN displayed in individual white boxes: '2', '4', '3', '4', '2', and '8'. Below the PIN boxes, a note states 'This PIN is valid for one hour.'

8. Navigate to <https://robinpowered.com/activate>.

### Robin Device Activation Page

Device Activation Documentation ×

## Connect a new room display

Space

No Space Selected ▾

Once activated you can easily switch spaces again via the display.

Device PIN  Organization Username

Six digit number found on the Rooms app. You may need to enter this first on the tablet.

Assign this display to a space

123 456

Open dashboard.robinpowered.com/activate and enter this pin to pair this room display with a space.

Haven't installed the app yet? [Download Rooms for iOS or Android](#)

9. Connect the touch screen:
  - a. Select the room that contains the touch screen from the **Space** drop-down menu.

**NOTE:** A room must be created in the Robin web interface before the touch screen may be connected. For more information, refer to <https://support.robinpowered.com/hc>.

- b. Enter the PIN shown on the user interface in the **Device PIN** text field.
- c. Click **Activate Display**.

If the device is registered successfully, a notification appears confirming the registration success, and the application updates to display a scheduling interface.

For more information on using the Robin application, including adding and configuring a scheduling calendar, visit <https://support.robinpowered.com/hc>.

For technical support inquiries, refer to the contact information provided at <https://support.robinpowered.com/hc>.

## Space Connect

To set up the Space Connect scheduling application on the touch screen:

**NOTE:** A Space Connect account is required to use this application. For more information, visit [www.spaceconnect.co](http://www.spaceconnect.co).

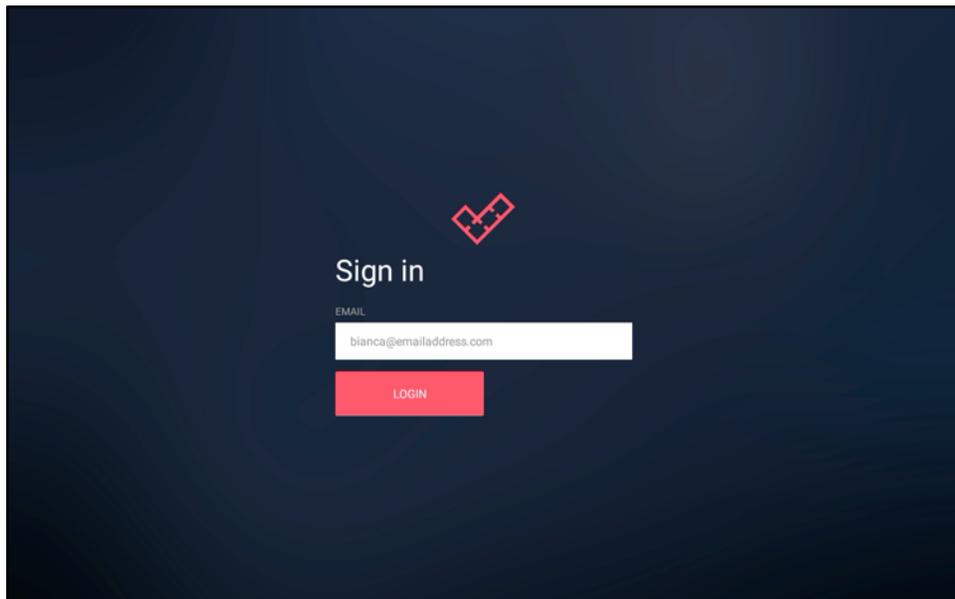
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Space Connect** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (Space Connect)



4. Reboot the touch screen. The Space Connect user interface is displayed on the touch screen following the reboot.

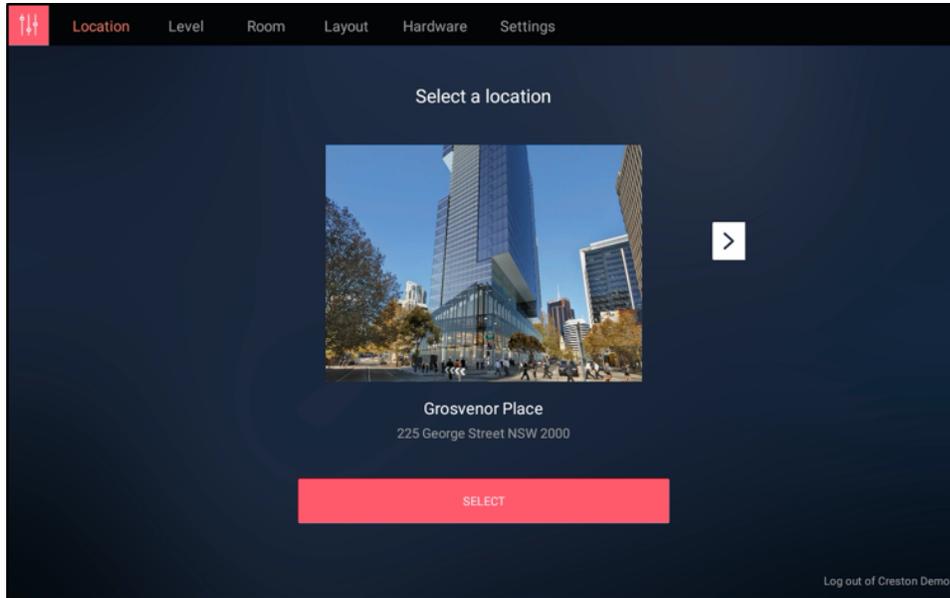
### Space Connect User Interface



5. Use the onscreen keyboard to enter the email address for the Microsoft® administrator account or Google® G-Suite™ software room booking account and tap **Login**.
6. When prompted, use the onscreen keyboard to enter the account password on the Microsoft or Google authentication screen.

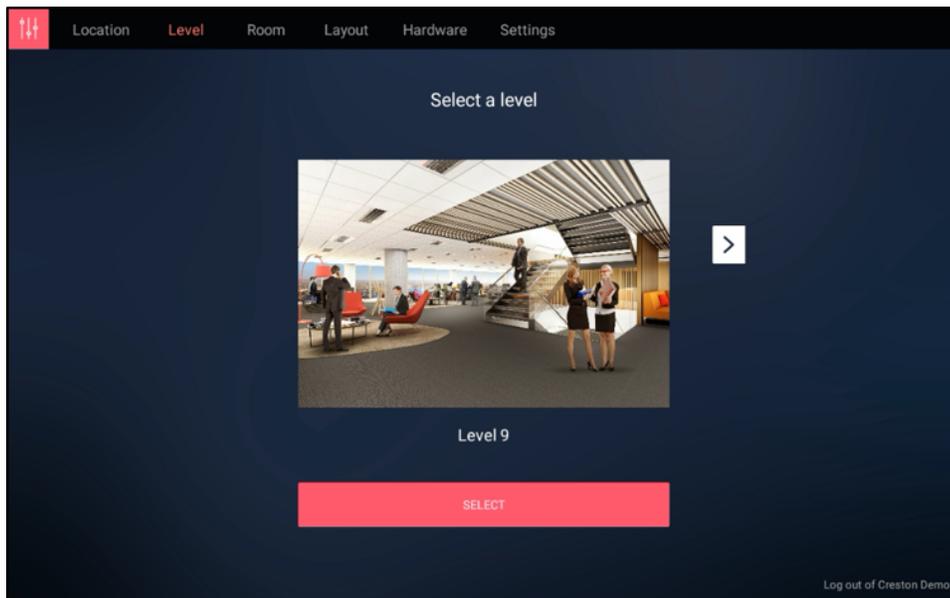
7. Upon successful sign-in, a **Select a location** screen is displayed. Use the navigation arrows to choose the location where the touch screen will be used, and then tap **SELECT**.

#### Space Connect - Select a location Screen



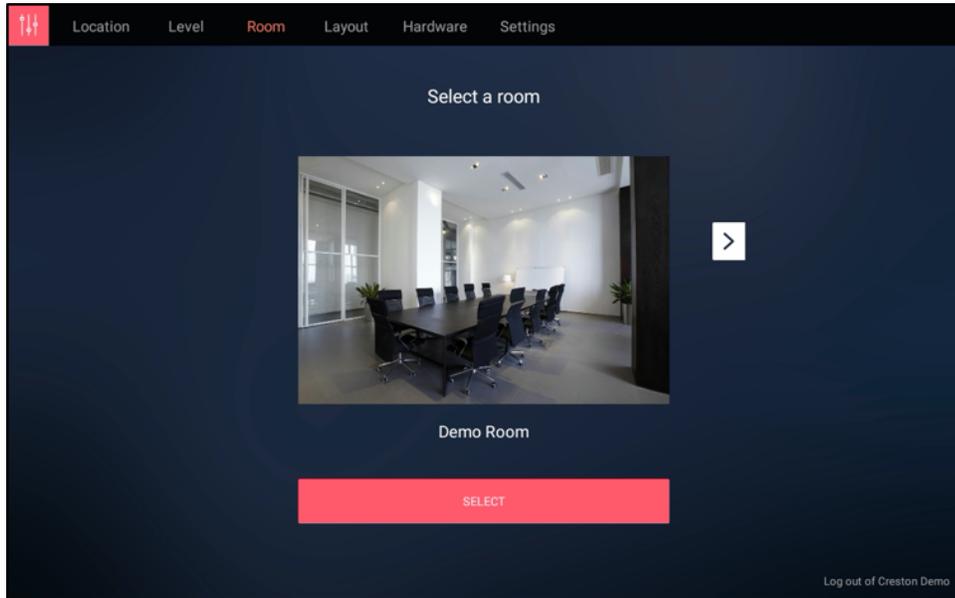
8. On the **Select a level** screen, use the navigation arrows to choose the building level where the touch screen will be used, and then tap **SELECT**.

#### Space Connect - Select a level Screen



9. On the Select a room screen, use the navigation arrows to choose the room where the touch screen will be used, and then tap **SELECT**.

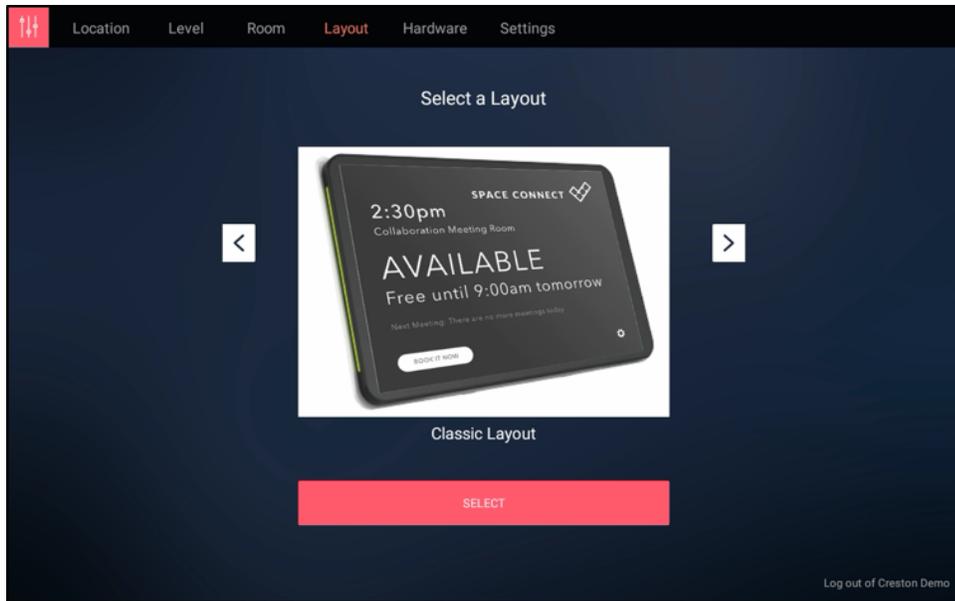
#### Space Connect - Select a room Screen



10. On the **Select a Layout** screen, use the navigation arrows to choose either the **Optimised for no LED enclosure** or **Classic Layout** setting for the scheduling application layout, and then tap **SELECT**.

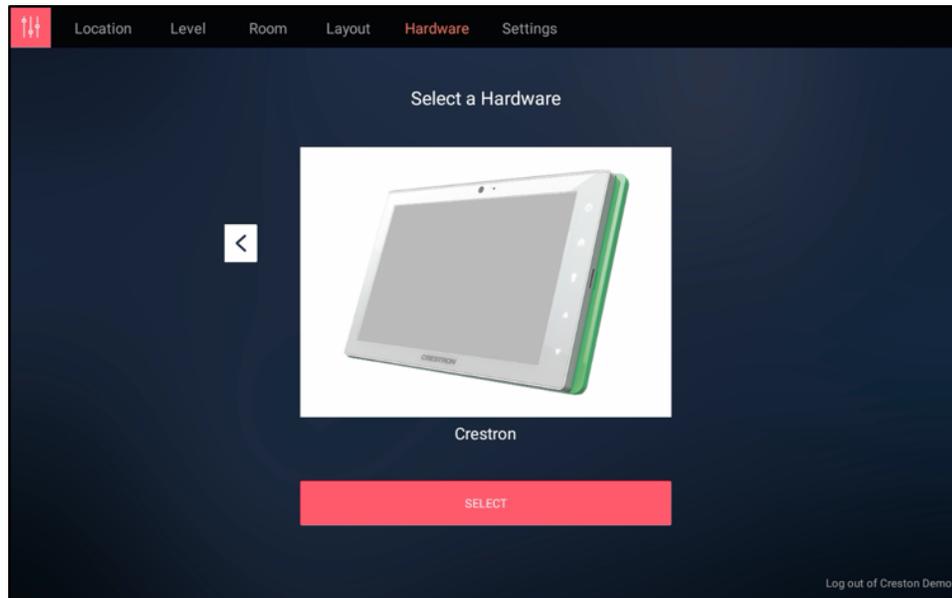
**NOTE:** Crestron does not recommend using the other provided layouts, as they are not optimized for Crestron touch screens.

#### Space Connect - Select a Layout



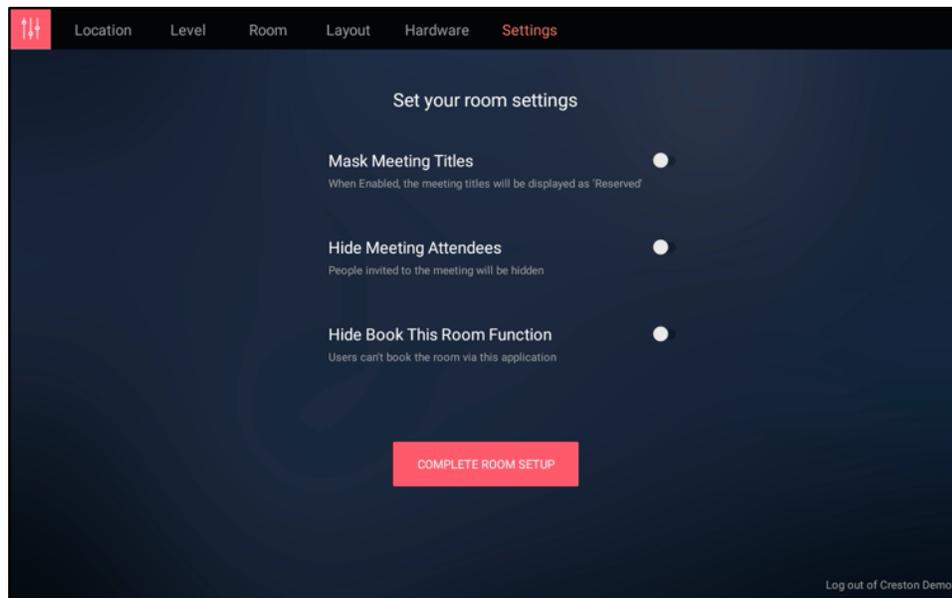
11. On the **Select a Hardware** screen, use the navigation arrows to choose the Crestron hardware, and then tap **SELECT**.

#### Space Connect - Select a Hardware



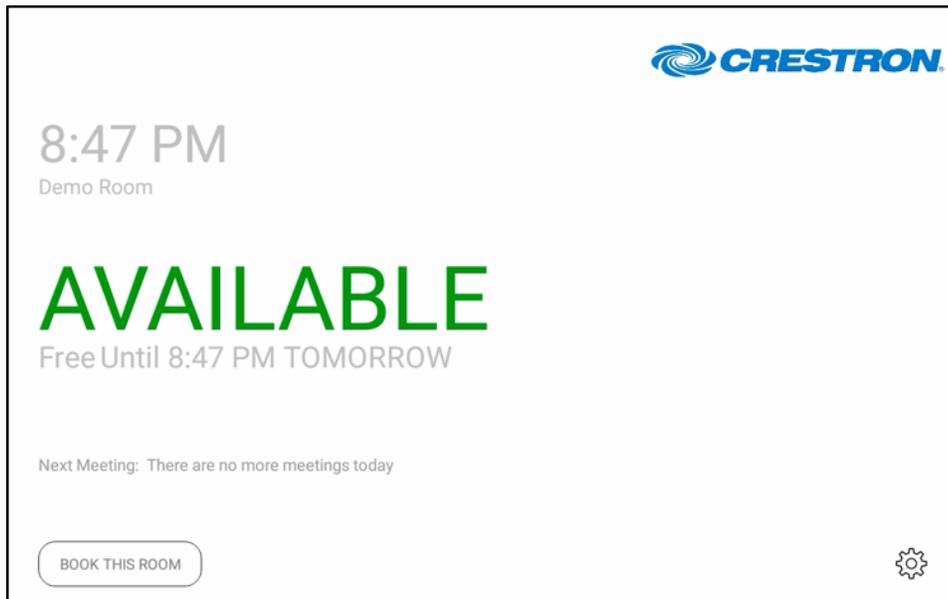
12. On the **Set your room settings** screen, configure any additional settings as needed using the provided toggles.

#### Space Connect - Set your room settings



13. Tap **COMPLETE ROOM SETUP**. The primary scheduling screen is displayed.

#### Space Connect - Scheduling Screen



For more information on using Space Connect and to access administrator-level settings, visit <https://spaceconnect.azurewebsites.net>. The administrator email and password must be entered to access this page.

## SpacelQ

To set up the SpacelQ scheduling application on the touch screen:

**NOTE:** A SpacelQ account is required to use this application. For more information, visit <https://spaceiq.com/>.

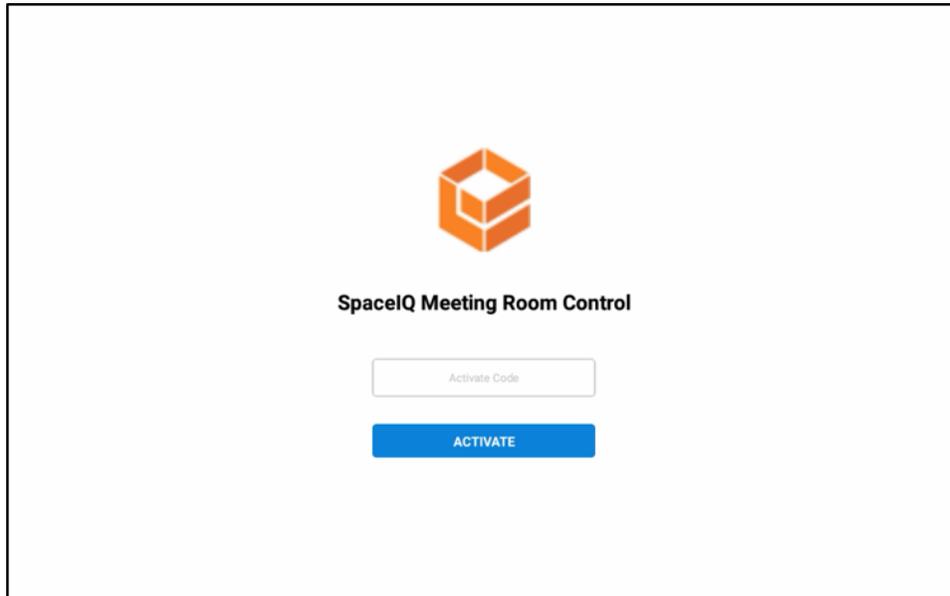
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **SpacelQ** from the **Application Mode** drop-down menu.

#### Settings Tab - Applications (SpacelQ)



4. Reboot the touch screen. The SpacelQ user interface is displayed on the touch screen following the reboot.

#### SpacelQ Meeting Room Control



5. Obtain the activation code for the touch screen device in the SpacelQ portal:

NOTE: The touch screen device and associated meeting room must be set up in the SpacelQ portal prior to activation. For more information, refer to the SpacelQ online help.

- a. Log in to your SpacelQ account at <https://main.spaceiq.com>.
- b. Select the building and floor that contains the touch screen device.
- c. Enter the map edit mode.
- d. Select the touch screen device from the map. The **Edit device** menu is displayed.
- e. Select the associated meeting room from the **Assigned Meeting Room** drop-down menu
- f. Record the six-digit activation code listed under **Code**. Click **RENEW** to generate a new activation code if necessary.

### Edit device Menu

The screenshot shows a mobile application interface for editing a device. The form is titled "Edit device" and includes the following fields:

x	y
3793	1016

Size: 60

Name: \_\_\_\_\_

Device Type: Meeting Room ▼

Assigned Meeting Room: m1 ▼

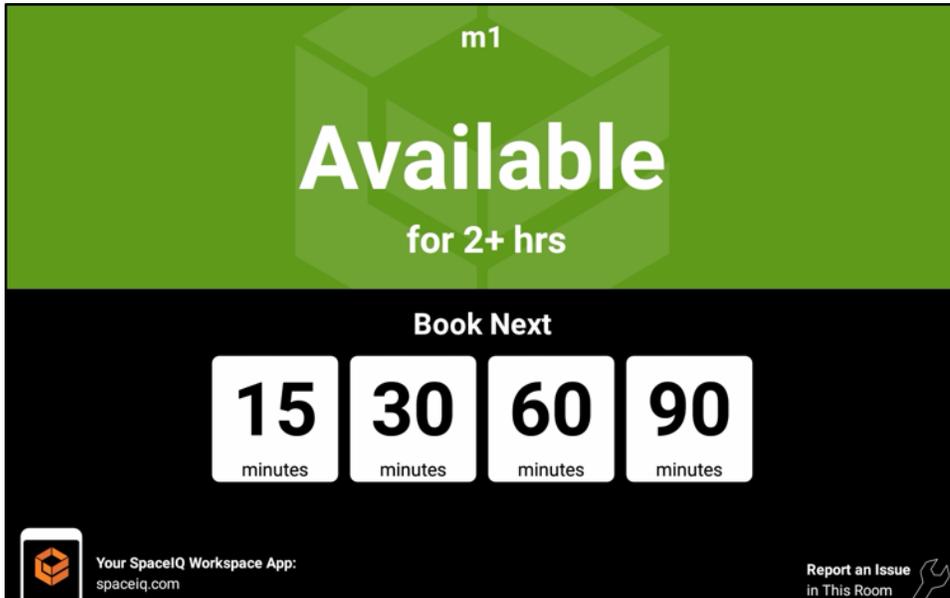
Status: pending

Code: 745010 [RENEW]

6. Enter the recorded activation code into the **Activate Code** field in the SpacelQ user interface.
7. Tap **Activate**.

If the activation is successful, the scheduling calendar for the associated meeting room is displayed.

### SpaceIQ Scheduling Calendar



For more information on using the SpacelQ scheduling calendar, refer to the built-in help function in the SpacelQ portal.

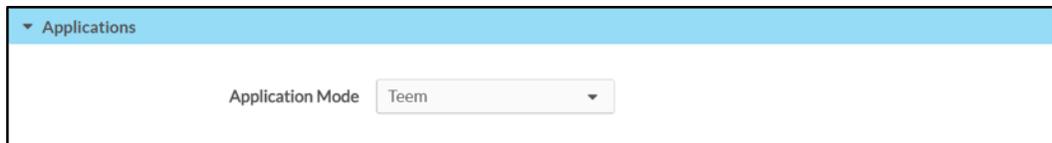
## Teem

To set up the Teem scheduling application on the touch screen:

**NOTE:** A Teem account is required to use this application. For more information and to register an account, visit [www.teem.com](http://www.teem.com). A scheduling calendar connection to an Office 365® software account, a Microsoft Exchange account, or a Google Calendar account is also required for this application.

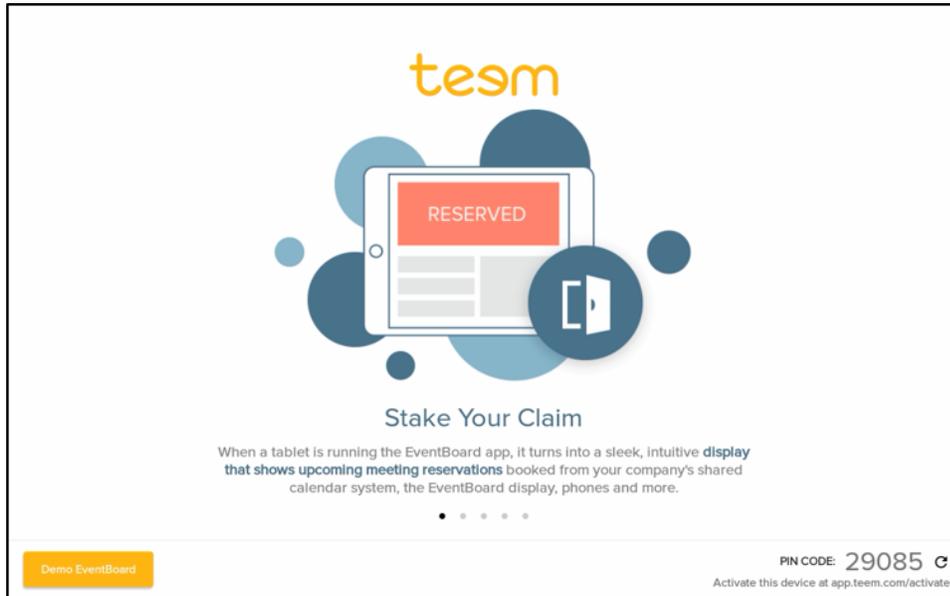
1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Teem** from the **Application Mode** drop-down menu.

#### Settings Tab - Applications (Teem)



4. Reboot the touch screen. The Teem application user interface is displayed on the touch screen following the reboot.

#### Teem User Interface

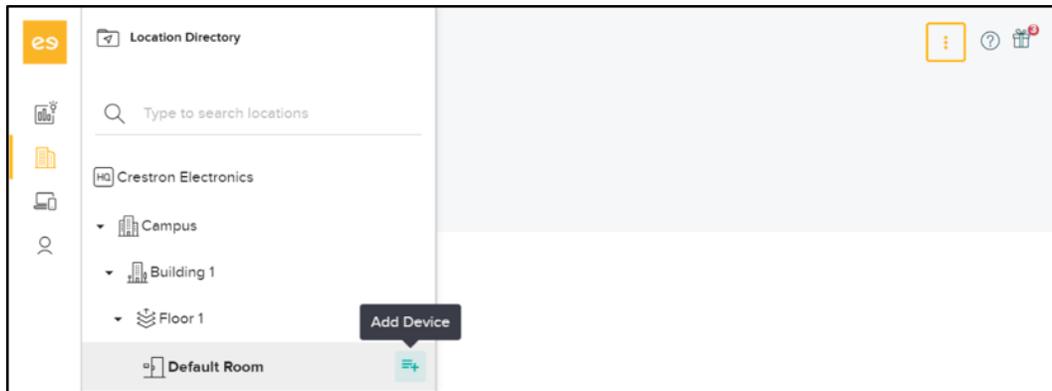


**NOTE:** A demo EventBoard® software interface is provided to demonstrate application features. Tap **Demo EventBoard** to enter demo mode. To return to the main registration screen, tap **Menu > Stop Demo Mode** while in demo mode.

5. Navigate to <https://app.teem.com/activate>.
6. Note the five-digit activation code that is displayed in the bottom right corner of the Teem application user interface.

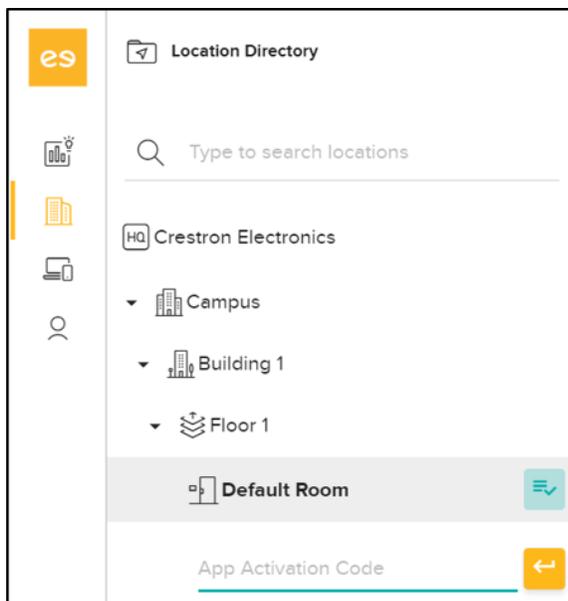
7. Use the **Location Directory** navigation tree on the left side of the screen to select the room that contains the touch screen, and click the **Add Device**  button.

#### Location Directory Menu



8. When prompted, enter the five-digit activation code in the **App Activation Code** text field, and tap the return button.

#### Teem User Interface



If the device is registered successfully, a growl notification appears confirming the device registration.

For more information on using the Teem application, visit <https://www.teem.com/support>.

For technical support inquiries, visit <https://www.teem.com/contact/>.

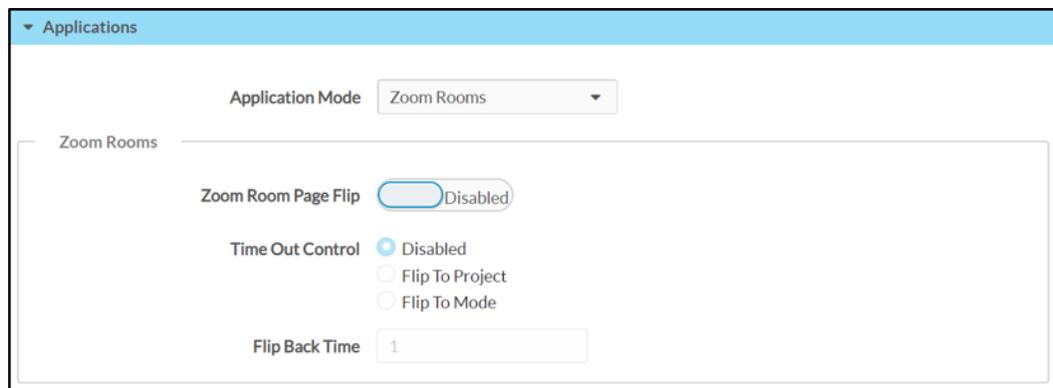
## Zoom Rooms

To set up the Zoom Rooms conferencing control or Zoom scheduling application on the touch screen:

**NOTE:** A Zoom Rooms account is required to use this application. For more information and to register an account, visit [www.zoom.us](http://www.zoom.us).

1. Access the touch screen web configuration interface. For more information, refer to [Web Configuration \(on page 12\)](#).
2. Navigate to **Settings > Applications**.
3. Select **Zoom Rooms** from the **Application Mode** drop-down menu.

### Settings Tab - Applications (Zoom Rooms)



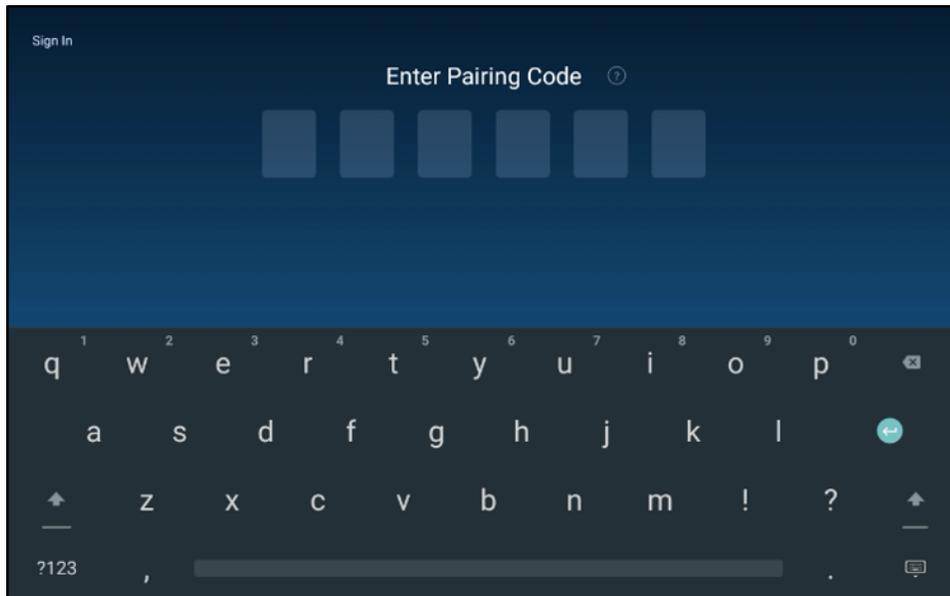
The screenshot shows the 'Applications' settings page. At the top, 'Application Mode' is set to 'Zoom Rooms'. Below this, the 'Zoom Rooms' section contains the following settings:

- Zoom Room Page Flip:** A toggle switch is currently in the 'Disabled' position.
- Time Out Control:** Three radio buttons are shown: 'Disabled' (selected), 'Flip To Project', and 'Flip To Mode'.
- Flip Back Time:** A text input field containing the number '1'.

4. Configure the following Zoom Rooms settings as needed. These settings may be edited at any time.
  - **Zoom Room Page Flip:** Toggle the switch to enable or disable the user's ability to toggle between Zoom Rooms mode and a custom user project.
  - **Time Out Control:** Set the automatic flip behavior for the Zoom Rooms application, which occurs after the duration set in the **Flip Back Time** field.
    - **Disabled:** When selected, automatic flip behavior is disabled.
    - **Flip To Project:** When selected, the screen automatically flips to the user project after the time out duration elapses. Press the home button (second hard key from top right) on the touch screen to flip back to the Zoom Rooms application.
    - **Flip To Mode:** When selected, the screen automatically flips to the Zoom Rooms application after the time out duration elapses. Press the home button on the touch screen to flip back to the user project.
  - **Flip Back Time:** Enter a duration (in minutes) before the automatic flip behavior occurs.

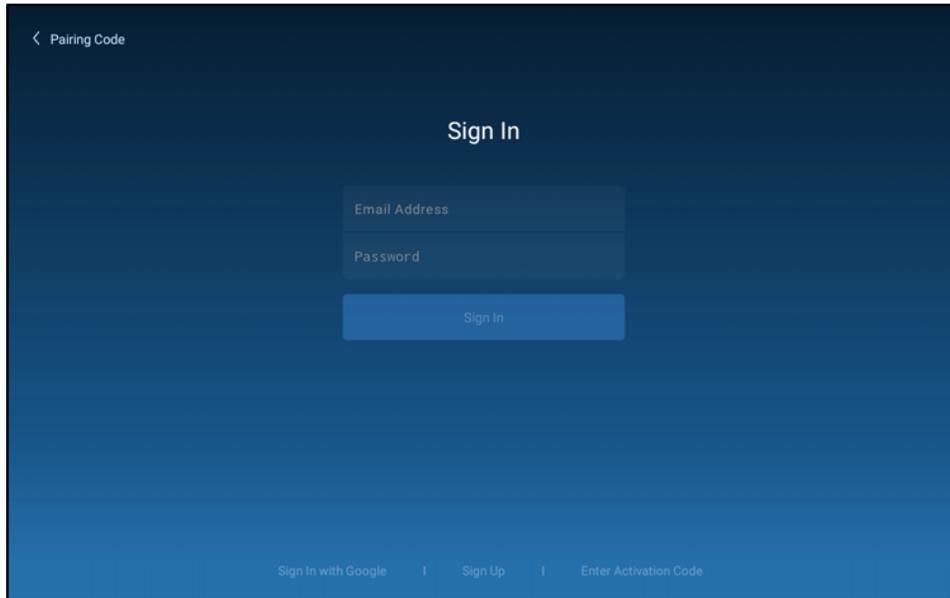
5. Reboot the touch screen. The Zoom Rooms application user interface is displayed on the touch screen following the reboot.

#### Zoom Rooms User Interface



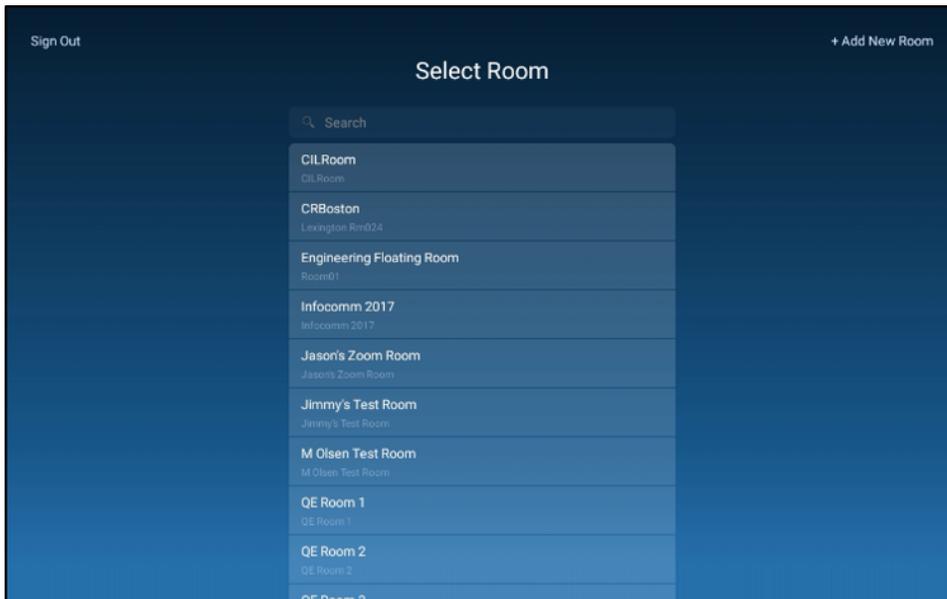
6. Connect to the Zoom Rooms PC using one of the following methods:
  - Use the on-screen keyboard to enter the pairing code for the Zoom Rooms account. Obtain the pairing code from the IT (Information Technology) department responsible for the Zoom Rooms deployment.
  - Tap **Sign In** on the top left of the screen, and then enter the email address and password for the Zoom Rooms account (supplied by your IT department). Tap **< Pairing Code** to return to the pairing code screen.

## Zoom Rooms User Interface - Sign In Screen



If the device is registered successfully, a notification appears confirming the registration success, and the application updates to display a room selection interface.

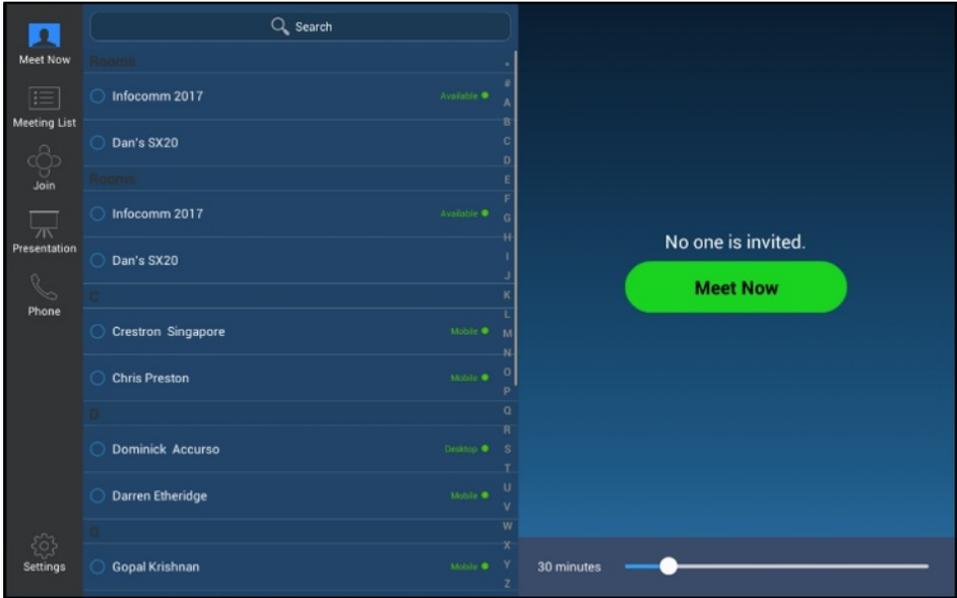
## Zoom Rooms User Interface - Select Room Screen



To set up a conference room for a Zoom Rooms meeting:

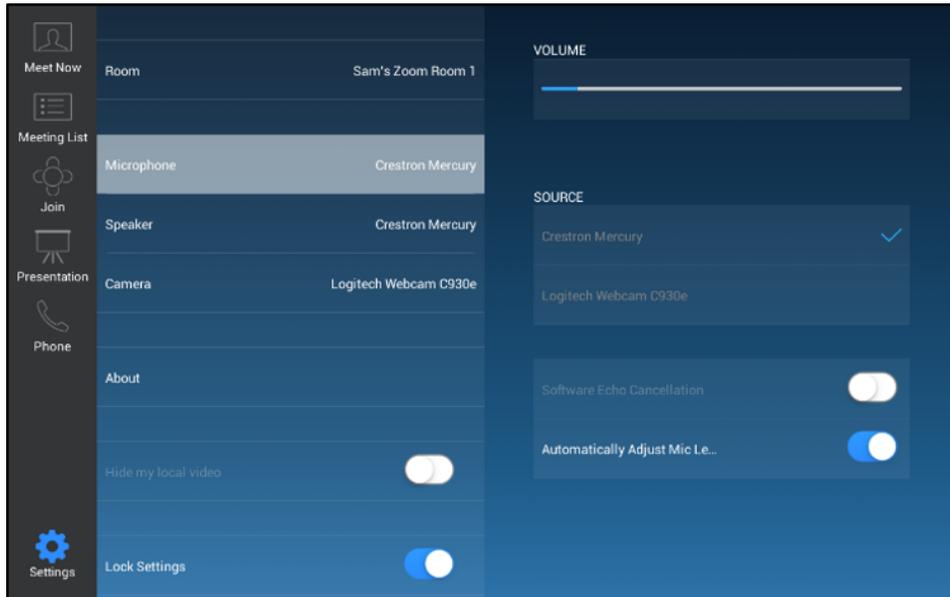
1. Select a conference room from the Select Room menu.
2. Tap **Settings** from the Zoom Rooms App to display conference room settings.

Zoom Rooms User Interface - Conference Room Settings



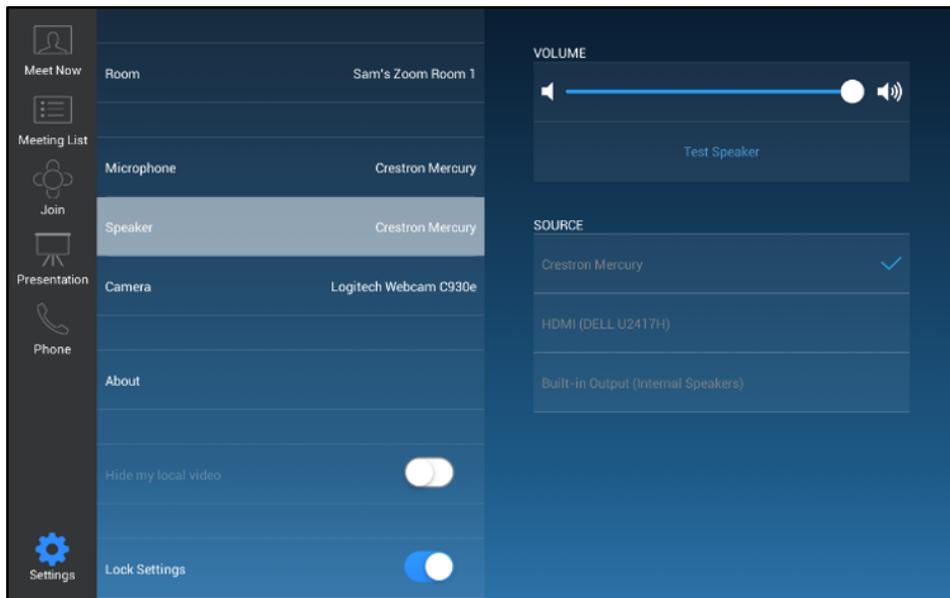
3. Tap **Microphone**, and then select an available microphone in the conference room.

#### Zoom Rooms User Interface - Microphone Settings



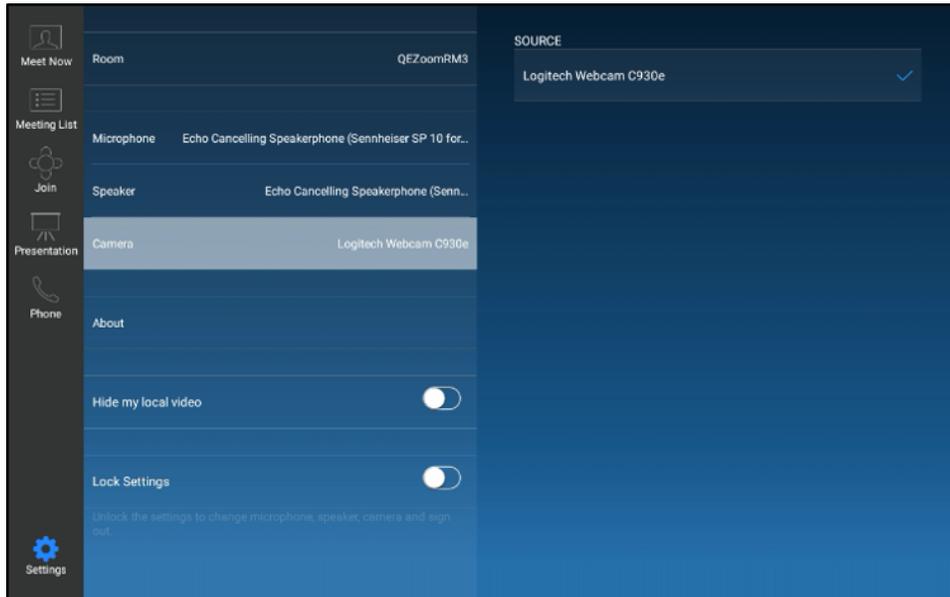
4. Tap **Speaker**, and then select an available speaker in the conference room.

#### Zoom Rooms User Interface - Speaker Settings



5. Tap **Camera**, and then select an available camera in the conference room.

#### Zoom Rooms User Interface - Camera Settings



6. Tap **Meet Now** to return to the meeting settings.

For more information on setting up and using Zoom Rooms, refer to <https://support.zoom.us/hc/en-us/categories/200108436-Zoom-Rooms>.

# Connect to Crestron XiO Cloud Service

The Crestron XiO Cloud service allows all supported Crestron devices across an enterprise to be managed and configured from one central, secure location in the cloud. The Crestron XiO Cloud service may be used to view the status of a device, to configure various device and network settings, to manage licenses, and to update device firmware.

Devices must be claimed by the Crestron XiO Cloud service before they may be managed by the service. Devices may be claimed individually or as a group.

For information on creating environments, managing devices, and managing users with the Crestron XiO Cloud service, refer to the Crestron XiO Cloud User Guide (Doc. 8214).

## Claim a Single Device

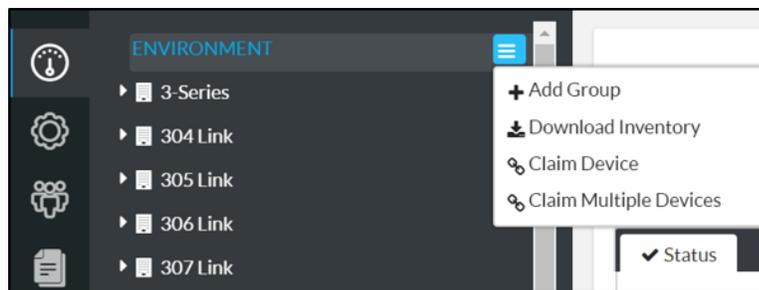
To claim a single device:

1. Record the MAC address and serial number of the device. The MAC address and serial number are labeled on the shipping box or on a sticker attached to the device.

**NOTE:** Use the MAC address labeled *MAC Address*.

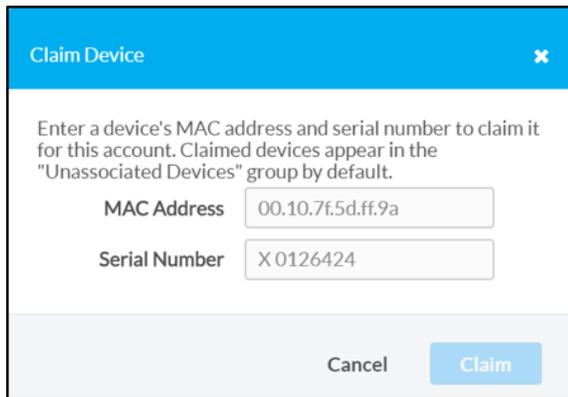
2. In the Crestron XiO Cloud service, click the **ENVIRONMENT** menu button  to display a drop-down menu.

### Environment - Drop-Down Menu



3. Click **Claim Device**. The **Claim Device** dialog box is displayed.

### Claim Device Dialog Box

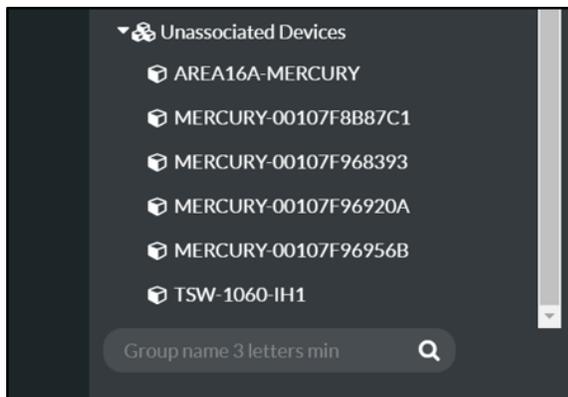


4. Enter the MAC address and serial number recorded in step 1 in the **MAC Address** and **Serial Number** fields, respectively.
5. Click **Claim**. A success message is displayed if the claim is successful.

**NOTE:** If an error message is displayed stating that the device does not exist, connect the device to a network that has access to the Internet, wait 15 minutes, and then try again.

6. Click **X** to close the dialog box. The hostname of the claimed device is displayed in the device tree under the group **Unassociated Devices**.

### Unassociated Devices



The device may now be managed and assigned to a group.

## Claim Multiple Devices

To claim multiple devices:

1. Record the MAC address and serial number of each device as a comma delimited CSV file. The MAC address and serial number are labeled on the shipping box or on a sticker attached to the device.

**NOTE:** Use the MAC address labeled *MAC Address*.

The CSV file should be formatted as shown below:

#### CSV File Format

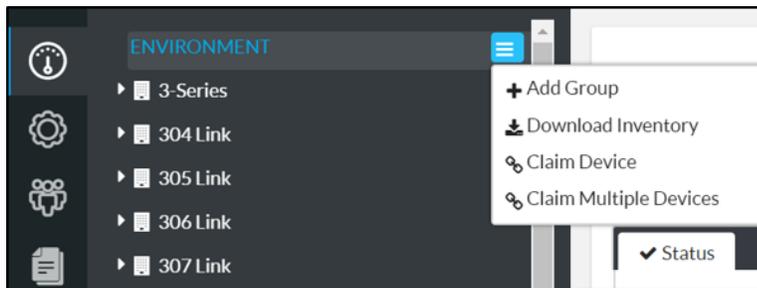
```
MAC Address,Serial Number
00.10.7e.8b.81.b6,17284712
00.10.7e.8b.8c.87,17284570
00.10.7e.96.83.93,1716JBG01207
00.10.7e.96.92.0a,1716JBG01550
00.10.7e.8b.87.c1,17284670
```

**NOTE:** An optional third column may be added to the CSV file with custom device names. After being claimed, the device will take the custom name from the CSV file instead of its default name. For example, if adding a custom device name to the first example above, the formatting would be

```
00.10.73.8b.81.b6,17284712,[custom device name]
```

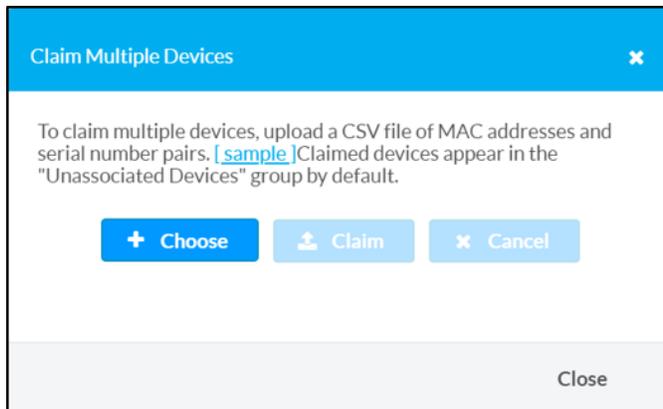
2. Save the CSV file to a location that may be accessed by the computer used to access the Crestron XiO Cloud service.
3. In the Crestron XiO Cloud service, click the **ENVIRONMENT** menu button  to display a drop-down menu.

#### Environment - Drop-Down Menu



4. Click **Claim Multiple Devices**. The **Claim Multiple Devices** dialog box is displayed.

#### Claim Multiple Devices Dialog Box



5. Click **Choose**, and then select the CSV file created in step 1.
6. Click **Claim** to claim all of the devices listed in the file. A message indicating the claim status of each device is displayed.

**NOTE:** If an error message is displayed stating that a device does not exist, connect that device to a network that has access to the Internet, wait 15 minutes, and then try again.

7. Click **X** to close the dialog box. The hostnames of the claimed devices appear in the device tree under the group **Unassociated Devices**.

#### Unassociated Devices



The devices may now be managed and assigned to a group.

This page is intentionally left blank.

