



TSW-560/TSW-760/TSW-1060

5", 7", and 10.1" Touch Screens

Supplemental Guide
Crestron Electronics, Inc.

Crestron product development software is licensed to Crestron dealers and Crestron Service Providers (CSPs) under a limited non-exclusive, non-transferable 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.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

Crestron, the Crestron logo, Crestron Fusion, Crestron Toolbox, and Rava are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Active Directory is either a trademark or a registered trademark of Microsoft Corporation 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.

This document was written by the Technical Publications department at Crestron.
©2018 Crestron Electronics, Inc.

Contents

Access the Setup Screens	1
Configure the Touch Screen	3
Ethernet Setup	3
IP Table Setup	5
Audio Setup.....	7
Display Setup	8
Standby Timeout	10
Diagnostics.....	11
Test Patterns.....	12
Touch Test.....	12
Mic Test	13
LAN Test.....	14
Keypad Test.....	15
Rava Test.....	16
RTSP Test.....	17
About	18
Configuration via Web Interface	19
Actions Menu	20
Reboot.....	20
Restore	20
Firmware Upgrade	21
Download Logs.....	21
Save Changes.....	21
Revert	21
Upload User Project.....	22
Status.....	22
Device.....	23
Network	23
Control System	24
Settings	25
System Setup	25
Audio	29
Cloud Settings	30
Configure Date/Time	30
Authentication Management	31
802.1x Configuration.....	38
Control System	40
Zoom Rooms	41

Connecting to Crestron XiO Cloud Service

45

Claim a Single Device 45
Claim Multiple Devices..... 46

TSW-560/TSW-760/TSW-1060: 5", 7", and 10.1" Touch Screens

Access the Setup Screens

The setup screens enable basic configuration prior to regular operation of the Crestron® TSW-560, TSW-760, and TSW-1060 touch screens. To display the main setup screen, touch the display screen while applying power to the touch screen.

The Crestron TSW-560, TSW-760, and TSW-1060 are functionally similar. For simplicity within this guide, the term “touch screen” is used except where noted.

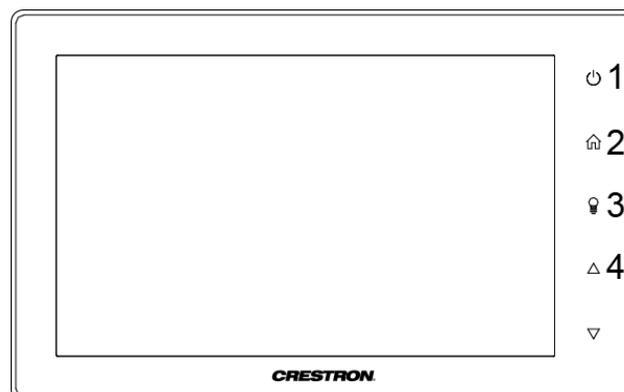
NOTE: The Crestron TSW-560P 5" portrait touch screen provides the same setup screens that are described in this guide, but the appearance and layout of the screens have been modified for portrait orientation.

NOTE: If no project has been loaded or if an invalid project has been loaded, the touch screen defaults to the main setup screen.

During regular operation of the touch screen, there are four methods for accessing the setup functions:

1. Place a button on the project main page, and assign the reserved join number (17242) that activates setup.
2. Tap the hard keys labeled below as 1, 2, 3, and 4 in sequence twice (tap 1, 2, 3, 4, 1, 2, 3, 4) within a 5-second period.
3. Place five fingers on the display and hold for 15 seconds.
4. Enter the IP address of the touch screen into a web browser.

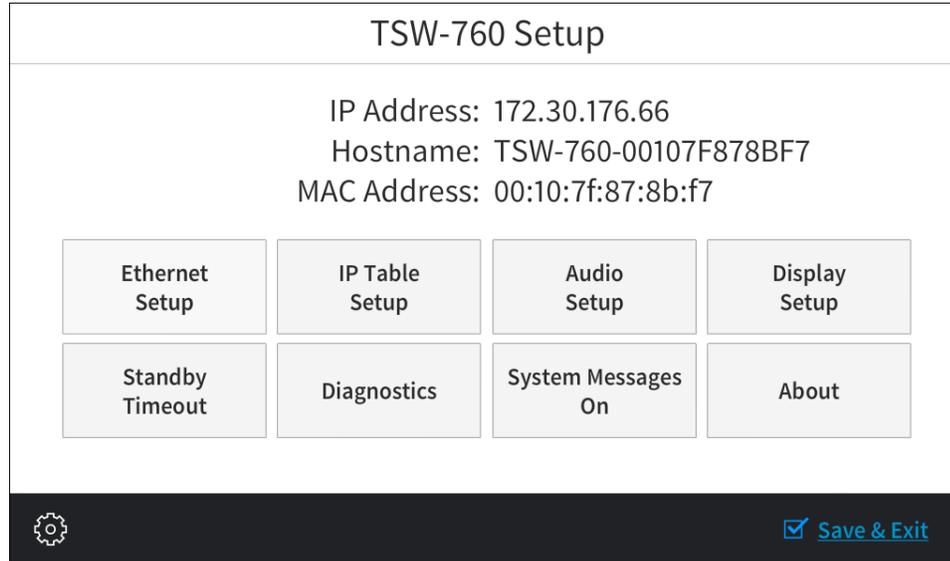
Touch Screen Hard Key Assignment



NOTE: The hard key button assignment for the TSW-560P differs from the illustration on the previous page. For more information, refer to "Access the Setup Screens" in the TSW-560P DO Guide (Doc. 7973) at www.crestron.com/manuals.

The main Setup screen is displayed (TSW-760 shown).

TSW 760 Setup Screen



The Setup screen provides buttons for Ethernet setup, IP table setup, audio setup, display setup, standby timeout, and diagnostics. There is also a button to toggle system messages on or off, and an **About** button provides information about the touch screen. Additionally, the screen displays the IP address, the hostname, and the MAC address of the touch screen. The functions of each button are detailed in the following pages of this guide.

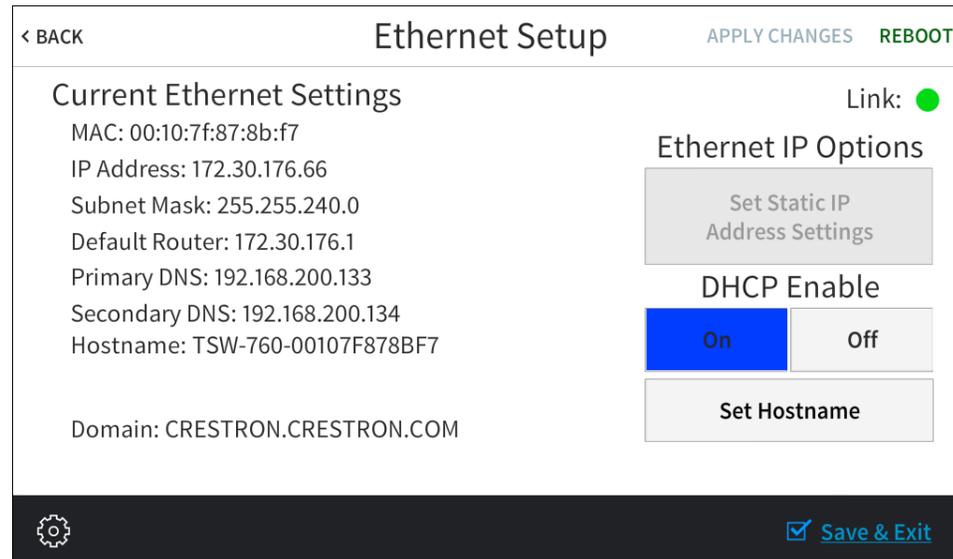
NOTE: A toolbar is present on the bottom of all setup screens. The toolbar provides a gear button (⚙️) that can be tapped to return to the Setup screen and a **Save & Exit** button that can be tapped to save all settings, to exit the setup screens, and to return to the main project.

Configure the Touch Screen

Ethernet Setup

On the Setup screen, tap **Ethernet Setup** to display the **Ethernet Setup** screen.

Ethernet Setup Screen



Use the **Ethernet Setup** screen to view the touch screen's MAC and IP addresses, subnet mask, default router, primary and secondary DNS, hostname, and domain. This screen also contains a **Link** indicator to show the status of the Ethernet connection. (Green indicates that the Ethernet connection is active.)

DHCP can be enabled or disabled by tapping **On** or **Off** under **DHCP Enable**. When DHCP is off, a **Set Static IP Address Settings** button provides access to controls that allow these settings to be edited.

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

NOTE: DHCP is enabled by default.

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 (not shown) opens.

- Use the keypad to make the 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 to stay in setup mode. Tap **Reboot** to exit setup mode and to reboot the touch screen.

- If no changes are made, tap < **Back** to return to the **Ethernet Setup** screen.
- Tap < **Back** again to return to the Setup screen.

IP Table Setup

On the Setup screen, tap **IP Table Setup** to display the **Ethernet Setup - IP Table** screen.

Ethernet Setup - IP Table Screen

Ethernet Setup - IP Table		Online
Add/Edit	- Add Entry -	●
Add/Edit	- Add Entry -	●
Add/Edit	- Add Entry -	●
Add/Edit	- Add Entry -	●

Use the **Ethernet Setup - IP Table** screen to view and edit up to four IP table settings, each of which has an **Online** indicator. (Green indicates that the IP address is online.)

To add or edit an entry, tap the **Add/Edit** button to its left. The **Ethernet Setup - Edit IP Table** screen is displayed.

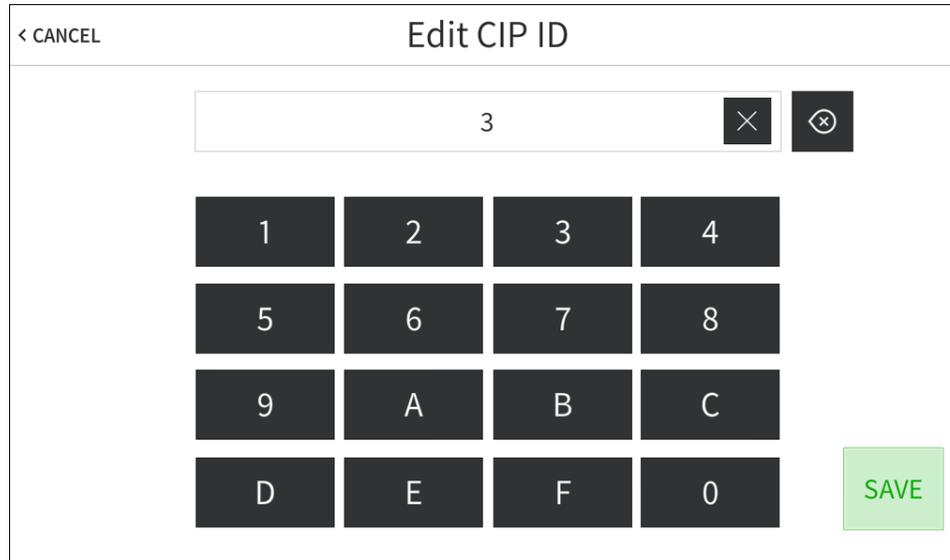
Ethernet Setup - Edit IP Table Entry Screen

CIP ID	IP Address / Hostname	Port
3		41794

SAVE DELETE

On the **Ethernet Setup - Edit IP Table** screen, tap the text field below **CIP ID** to display the on-screen hex keypad.

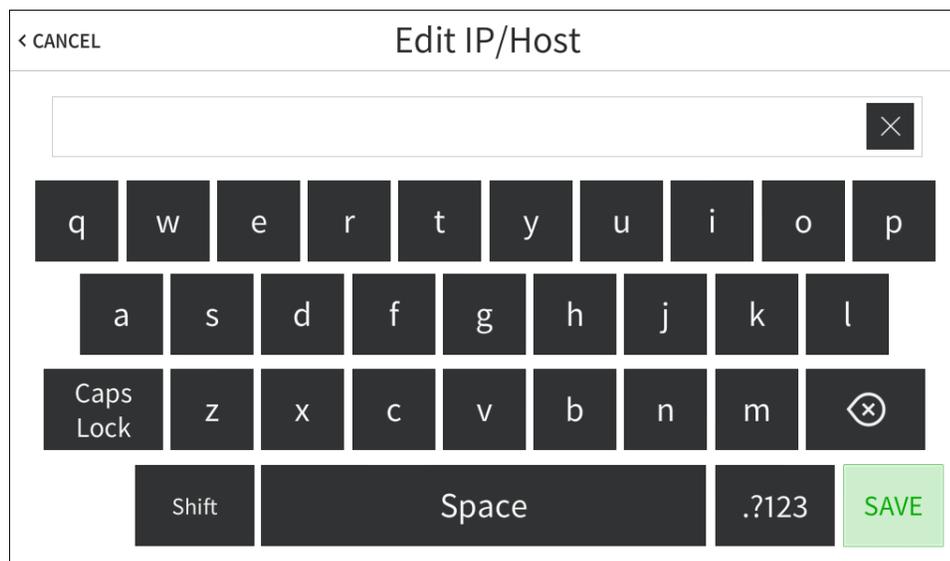
On-Screen Hex Keypad



- Use the keypad to make the new entry.
- Tap the clear button (X) 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 **Ethernet Setup - IP Table** screen.

On the **Ethernet Setup - Edit IP Table** screen, tap the text field below **IP Address / Hostname** to display the on-screen keyboard.

On-Screen Keyboard



- Use the keyboard to make the 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 **Ethernet Setup - IP Table** screen.

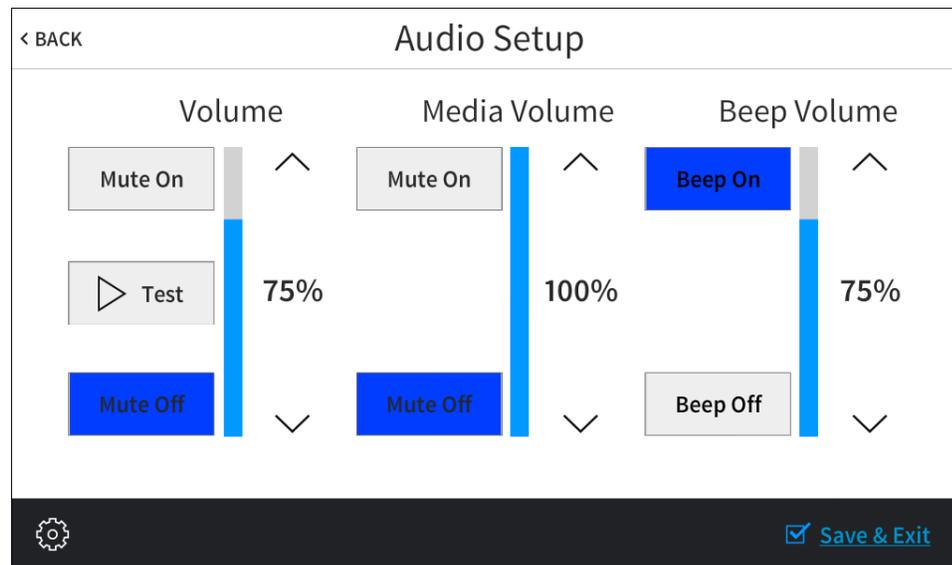
On the **Ethernet Setup - IP Table** screen, tap **Save** to save the current entry or **Delete** to clear it. If no changes are made, tap < **Back** to return to the **Ethernet Setup** screen.

- Tap < **Back** again to return to the Setup screen.

Audio Setup

On the Setup screen, tap **Audio Setup** to display the **Audio Setup** screen.

Audio Setup Screen



Use the **Audio Setup** screen to control the volume, media volume, and beep volume settings for the touch screen:

NOTE: The **Media Volume** controls adjust the H.264 streaming media level in relation to the **Volume** controls.

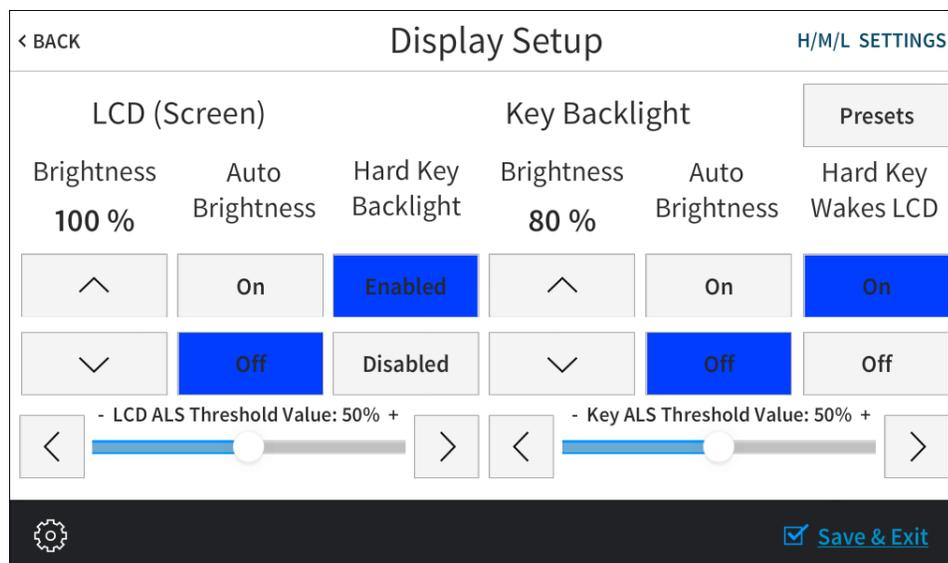
- **Volume:** Tap the up and down arrows to raise or lower the master volume of the touch screen, from 0 to 100%. Tap **Mute On** or **Mute Off** to mute or unmute the master volume. Tap **Test** to play a test recording at the current volume level.
- **Media Volume:** Tap the up and down arrows to raise or lower the media volume of the touch screen, from 0 to 100%. Tap **Mute On** or **Mute Off** to mute or unmute the media volume.
- **Beep Volume:** Tap the up and down arrows to raise or lower the beep volume of the touch screen, from 0 to 100%. Tap **Beep On** or **Beep Off** to turn the beep volume on or off.

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

Display Setup

On the Setup screen, tap **Display Setup** to display the **Display Setup** screen.

Display Setup Screen



Use the **Display Setup** screen to adjust the LCD display and the key backlight settings.

The following settings can be adjusted for the LCD (screen) display:

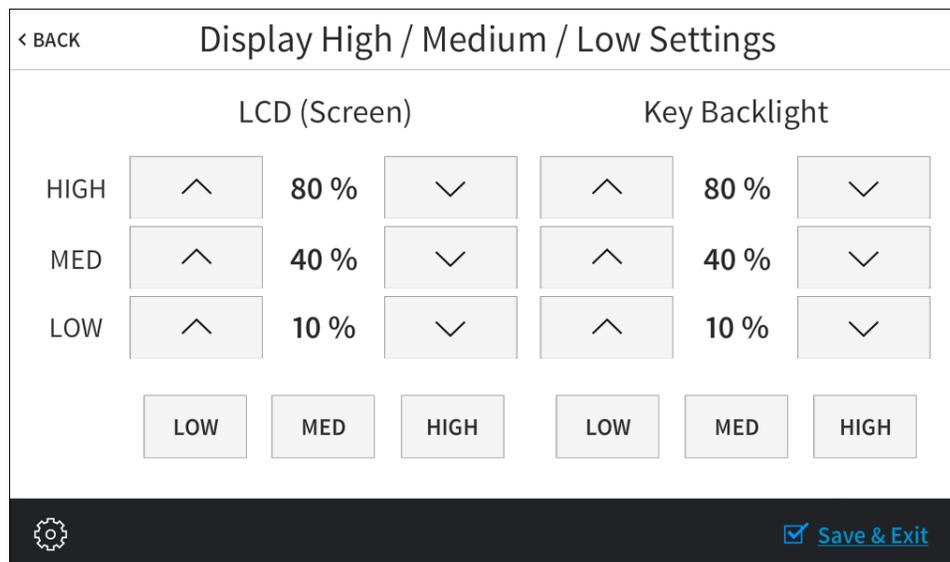
- Tap the up and down arrows under **Brightness** to raise or lower the brightness level of the LCD display, from 0 to 100%.
- Tap **On** or **Off** under **Auto Brightness** to turn auto brightness on or off on the display.
- Tap the left and right arrows to adjust the LCD ALS (ambient light sensor) threshold value for switching between high and low auto-brightness presets, from 0 to 100%.

The following settings can be adjusted for the hard key backlight:

- Tap **Enabled** or **Disabled** under **Hard Key Backlight** to enable or disable the hard key backlight.
- Tap the up and down arrows under **Brightness** to raise or lower the brightness of the hard key backlight.
- Tap **On** or **Off** under **Auto Brightness** to turn auto brightness on or off for the backlight.
- Tap **On** or **Off** under **Hard Key Wakes LCD** to turn waking the LCD display on or off by tapping a hard key.
- Tap the left and right arrows to adjust the hard key ALS (ambient light sensor) threshold value for switching between high and low auto-brightness presets, from 0 to 100%.

Tap **H/M/L Settings** to access the **Display High / Medium / Low Settings** screen, which can be used to adjust touch screen brightness values.

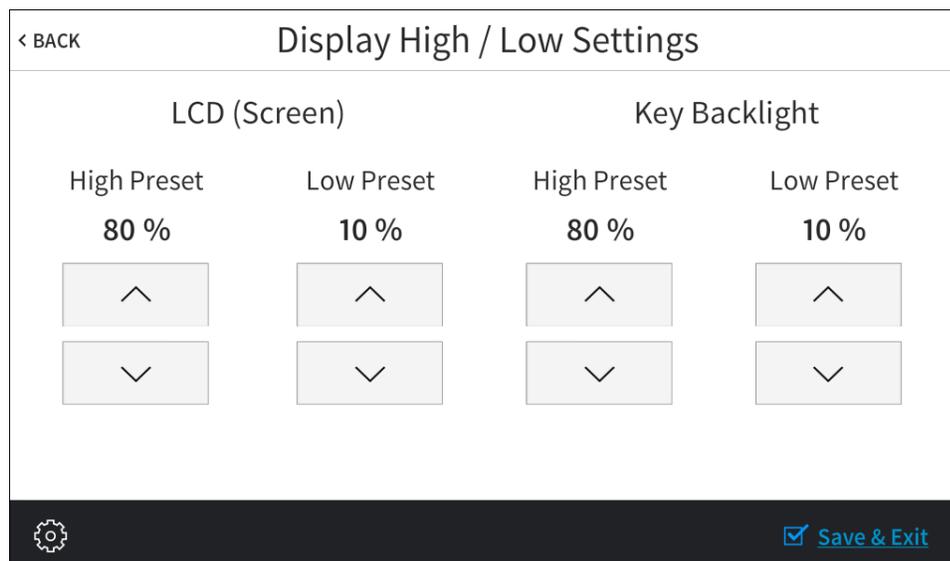
Display High / Medium / Low Settings Screen



- Tap the up and down arrows to raise or lower the values of the high, medium, and low brightness settings for the LCD display and the key backlight, from 0 to 100%.
- Tap **Low**, **Med**, or **High** to set the brightness level to low, medium, or high, respectively, for the LCD display and the key backlight.
- Tap < **BACK** to return to the **Display Setup** screen.

Tap **Presets** to access the **Display High / Low Settings** screen, which can be used to adjust touch screen auto-brightness threshold values.

Display High / Low Settings Screen

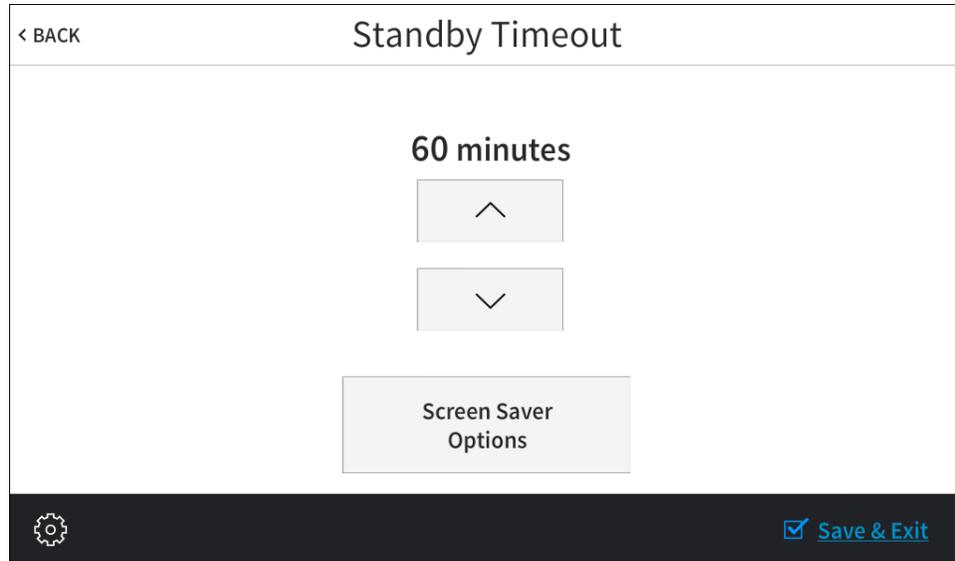


- Tap the up and down arrows to raise or lower the auto-brightness preset values for the LCD display and the key backlight, from 0 to 100%.
- Tap < **Back** to return to the Display Setup screen.

Standby Timeout

On the Setup screen, tap **Standby Timeout** to display the **Standby Timeout** screen.

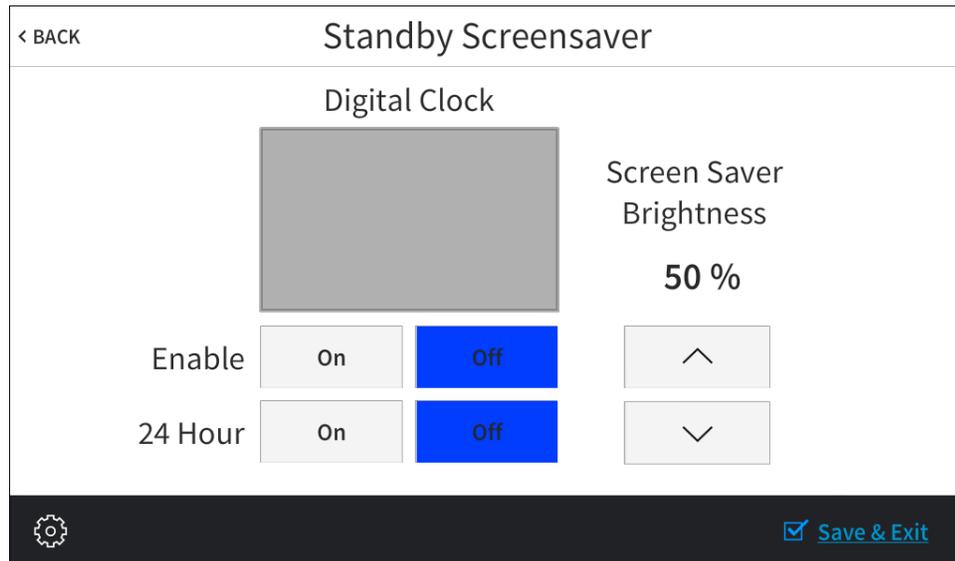
Standby Timeout Screen



Use the **Standby Timeout** screen to adjust the touch screen's standby timeout duration. Tap the up and down arrows to increase or decrease the standby timeout duration, from 0 to 120 minutes.

Tap **Screen Saver Options** to display the **Standby Screensaver** screen.

Standby Screensaver Screen



Use the **Standby Screensaver** screen to adjust settings for the digital clock screensaver, which can be displayed during standby timeout mode.

- Tap **On** or **Off** next to **Enabled** to turn the digital clock screensaver on or off during standby timeout.

- Tap **On** or **Off** next to **24 Hour** to turn 24-hour time format on or off for the digital clock.
- Tap the up and down arrows to increase or decrease the screen saver brightness value, from 0 to 100%.

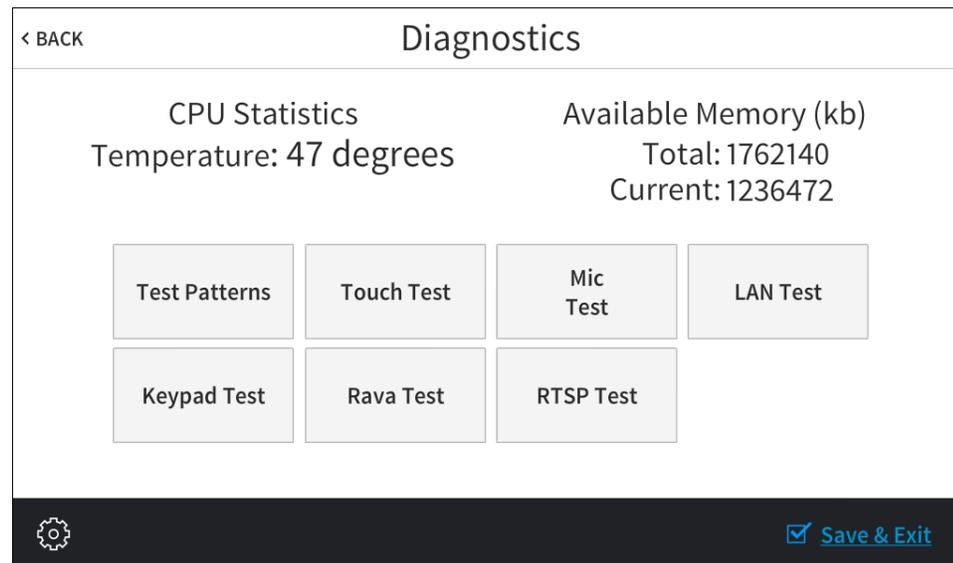
Tap < **Back** to return to the **Standby Timeout** screen.

Tap < **Back** again to return to the Setup screen.

Diagnostics

On the Setup screen, tap **Diagnostics** to display the **Diagnostics** screen.

Diagnostics Screen

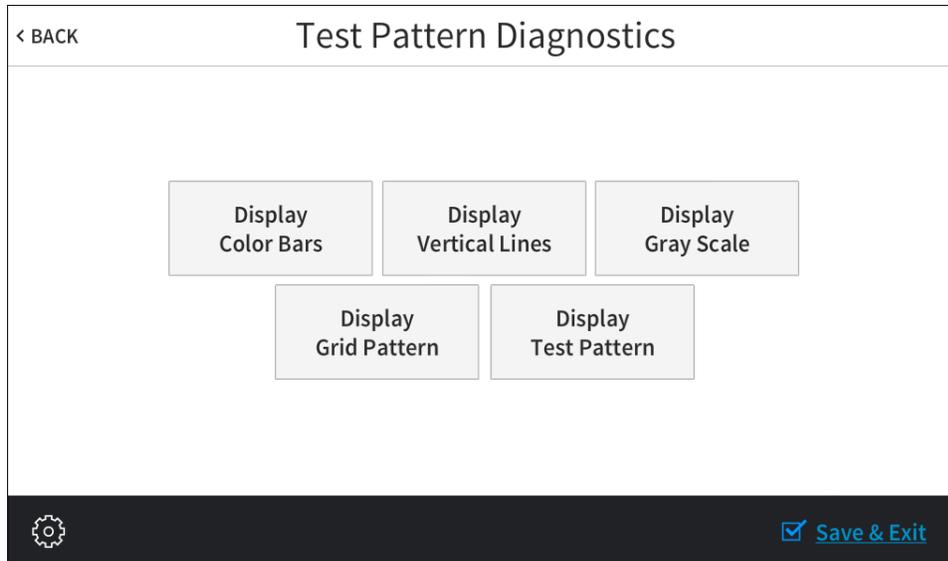


The **Diagnostics** screen displays the touch screen's CPU temperature and available memory, and it provides buttons to open various test screens. The test screens are explained in the sections that follow.

Test Patterns

On the **Diagnostics** screen, tap **Test Patterns** to display the **Test Pattern Diagnostics** screen.

Test Pattern Diagnostics Screen



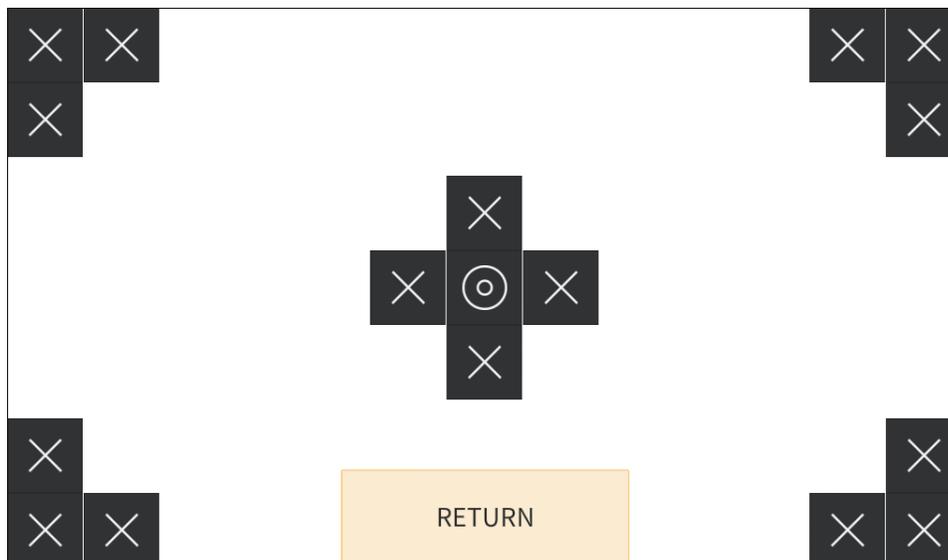
Use the **Test Pattern Diagnostics** screen to display any of the available test patterns. Tap one of the buttons on the screen to display its respective test pattern.

Tap < **Back** to return to the **Diagnostics** screen.

Touch Test

On the **Diagnostics** screen, tap **Touch Test** to display the touch test screen.

Touch Test Screen



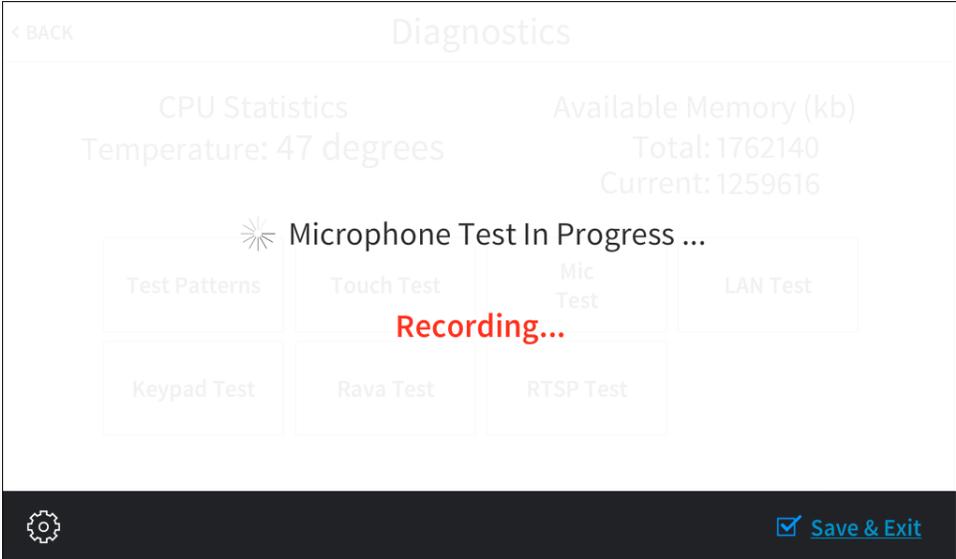
Use the touch test screen to test the touch functionality of the display. When a location button is tapped, its respective indicator lights on the screen.

Tap **Return** to return to the **Diagnostics** screen.

Mic Test

On the **Diagnostics** screen, tap **Mic Test** to begin a microphone test.

Mic Test Screen

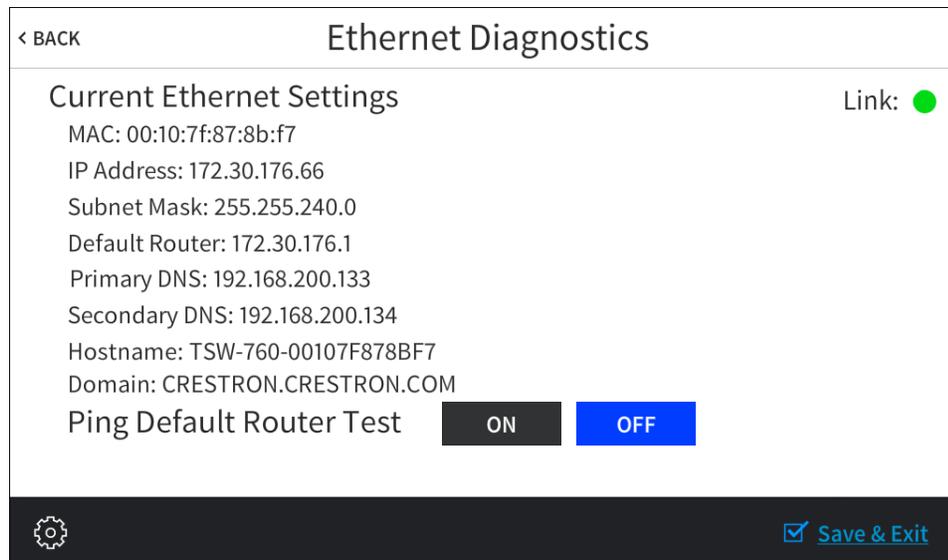


During a microphone test, the built-in microphones record sound for five seconds and then play the sound back to confirm that they are functioning. This test is performed twice: The first test records and plays sound back from the left microphone, and the second test records and plays sound back from the right microphone. When the second playback is finished, the display automatically returns to the **Diagnostics** screen.

LAN Test

On the **Diagnostics** screen, tap **LAN Test** to display the **Ethernet Diagnostics** screen.

Ethernet Diagnostics Screen



Use the **Ethernet Diagnostics** screen to view the touch screen's MAC and IP addresses, subnet mask, default router, primary and secondary DNS, hostname, and domain. This screen also contains a **Link** indicator to show the status of the Ethernet connection. (Green indicates that the Ethernet connection is active).

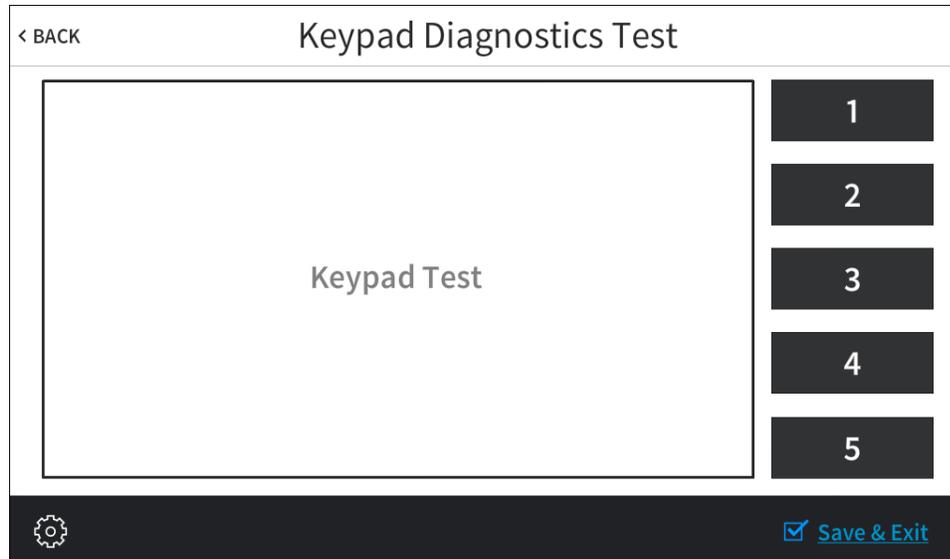
Additionally, this screen provides controls to test the connection to the default router. Tap **On** to begin the test, and tap **Off** to end the test.

Tap < **Back** to return to the **Diagnostics** screen.

Keypad Test

On the **Diagnostics** screen, tap **Keypad Test** to display the **Keypad Diagnostics Test** screen.

Keypad Diagnostics Test Screen



Use the **Keypad Diagnostics Test** screen to test the functionality of the five capacitive hard keys on the front of the touch screen. When one of the hard keys is tapped, its respective indicator lights on the screen.

Tap **< Back** to return to the **Diagnostics** screen.

Rava Test

On the **Diagnostics** screen, tap **Rava Test** to display the **Rava Diagnostics** screen.

Rava Diagnostics Screen

< BACK

Rava Diagnostics

This Extension: 2135139247

Rava Setup

SIP Server Offline

Call Active

Incoming Call

Callee Busy

1 2 3

4 5 6

7 8 9

* 0 #

Clear Call Back

Page All

AutoAnswer Off

Answer

Hangup

Save & Exit

Use the **Rava Diagnostics** screen to test using the Rava® SIP Intercom with the touch screen. This screen can be used to call another touch screen that has Rava, to test and configure projects, and to adjust various Rava settings.

To place a call, dial the extension of the desired touch screen using the on-screen numeric keypad, and then tap **Call**. If the intercom works but the project does not, there is an issue with the project; if the intercom does not work, there is an issue with the settings.

Tap the **Rava Setup** button to open a second **Rava Settings** screen for Rava setup.

Rava Settings Screen

< BACK

Rava Settings

APPLY

Touch a Setting to Edit

Rava connection mode

Peer to Peer Mode

SIP Server Mode

SIP server mode

Normal Mode

Door Mode

Local extension

2135139247

Member groups

CRESTRON

Display name

CRESTRON

Port (default 5060)

5060

Proxy IP address (optional)

NONE

SIP server IP address

NONE

Port (default 5060)

5060

SIP server username

guest

SIP server password

guest

SIP server realm

*

SIP server config file (optional)

NONE

Save & Exit

The **Rava Settings** screen provides controls to switch between **Peer to Peer Mode** and **SIP Server Mode**, and when set to the latter, controls to switch between **Normal Mode** and **Door Mode**. Touching the other fields on the screen opens the on-screen keyboard or on-screen numeric keypad as appropriate.

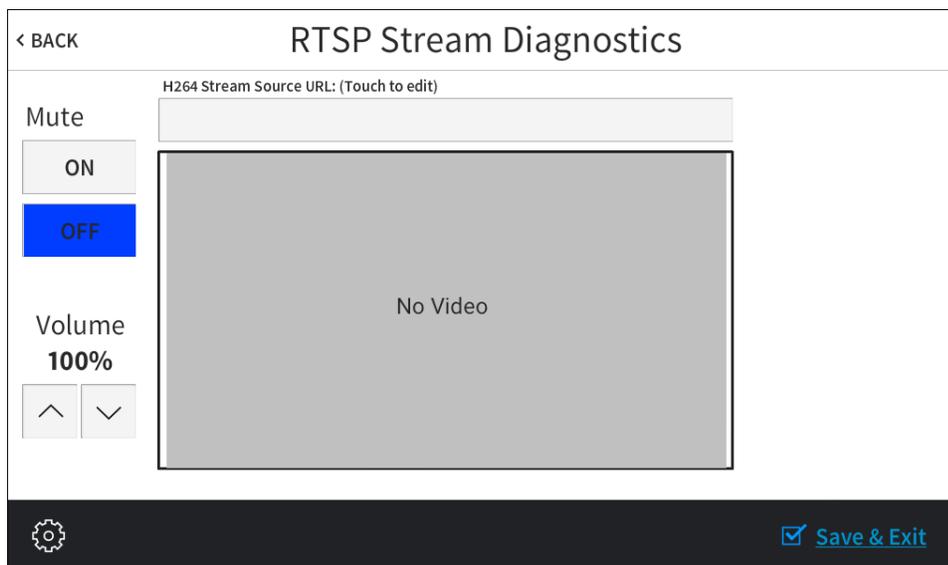
When all settings are entered, touch **Apply** to store them or **< Back** to ignore any changes. Touching either option returns the display to the **Rava Diagnostics** screen.

Tap **< Back** again to return to the **Diagnostics** screen.

RTSP Test

On the **Diagnostics** screen, tap **RTSP Test** to display the **RTSP Stream Diagnostics** screen.

RTSP Stream Diagnostics Screen



Use the **RTSP Stream Diagnostics** screen to test whether Real Time Streaming Protocol (RTSP) is functioning on the touch screen.

Tap the text field below **H264 Stream Source URL: (Touch to edit)** to open the on-screen keyboard (not shown). Enter the URL for an H.264 video stream source, and then tap **Save**. The video stream is displayed in the lower right portion of the **RTSP Stream Diagnostics** screen.

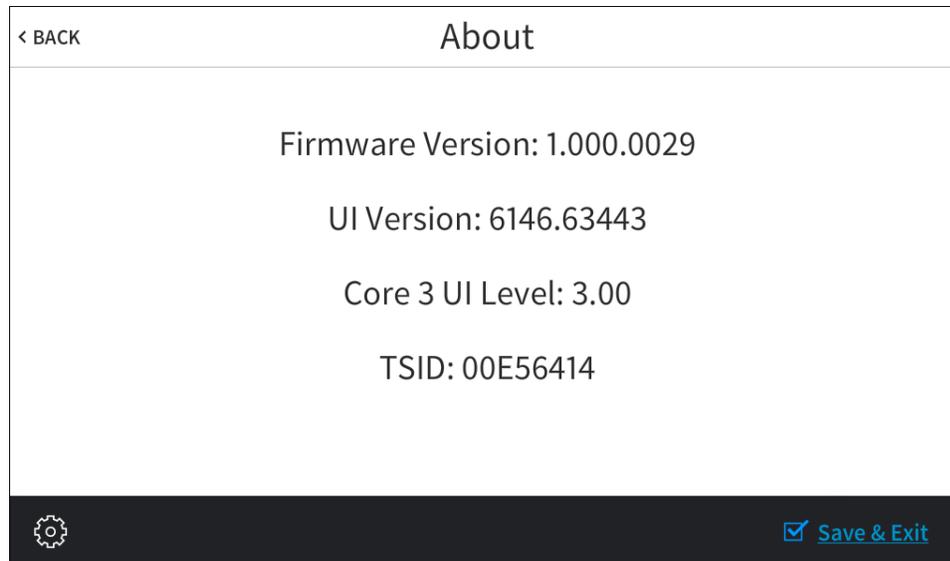
Tap the up and down arrows on the left side of the screen to raise or lower the volume of the video stream, from 0 to 100%, and tap **On** or **Off** under **Mute** to mute or unmute the volume of the video stream.

Tap **< Back** to return to the **Diagnostics** screen.

About

On the Setup screen, tap **About** to display the **About** screen.

About Screen



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

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

Configuration via Web Interface

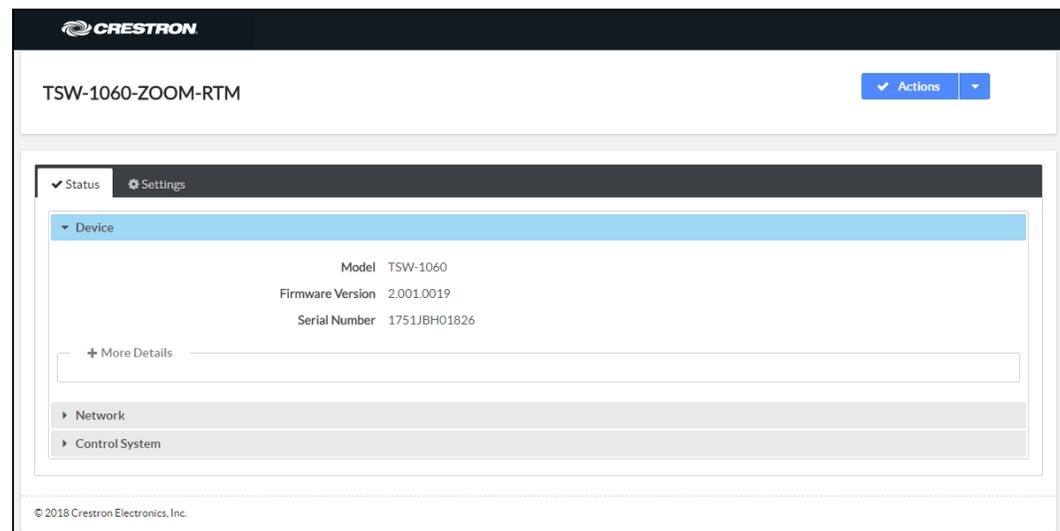
The touch screen can also be monitored and configured using the included web configuration interface. The configuration interface is accessible from a web browser if the IP address of the touch screen is known.

To access the configuration interface, perform the following procedure:

1. Open a web browser.
2. Enter the touch screen's IP address into the browser URL field. The touch screen configuration interface loads.

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 for the touch screen, refer to "Authentication Management," starting on page 31.

Touch Screen Configuration Interface



NOTE: If the native scheduling application has been enabled on the TSW-760 or TSW-1060, the touch screen configuration utility provides additional configuration options for room scheduling. For more information on configuring the scheduling application, refer to "Configuration via Web Interface" in the Crestron Room Scheduling Panels Operations Guide (Doc. 8205) at www.crestron.com/manuals.

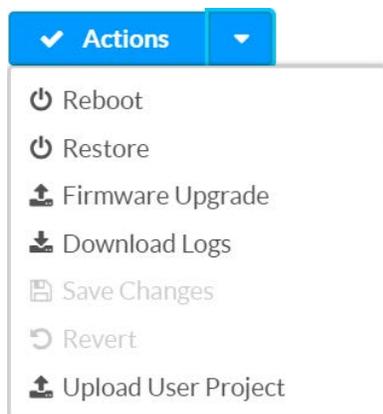
The configuration interface provides a **Status** tab for monitoring touch screen settings and a **Settings** tab for configuring touch screen settings. The device hostname is displayed at the top left of the page.

The **Status** tab is the default tab that displays, as shown in the image above.

Actions Menu

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

Actions Menu



NOTE: Once any changes have been made to the 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 pop-up window displays 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 selecting **Reboot**, a pop-up window displays confirming whether the touch screen should be rebooted. Select **Yes** to reboot the device or **No** to cancel the reboot.)

NOTE: Some configuration settings do not take effect until the touch screen has been rebooted. If the touch screen needs to reboot, the configuration interface displays a message indicating that the touch screen must be rebooted for the settings to take effect.

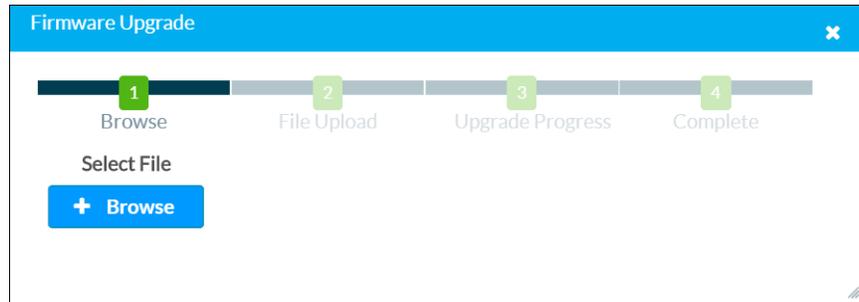
Restore

Click **Restore** to restore the touch screen configuration settings to their default values. After **Restore** is selected, a pop-up window displays confirming whether the application 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). A **Firmware Upgrade** pop-up window opens for upgrading the firmware.

Firmware Upgrade Window



Use the following procedure to upload a firmware PUF file through the web configuration interface:

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

Click the **x** button to close the **Firmware Upgrade** window 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 has been downloaded, extract the message log files to view them.

Save Changes

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

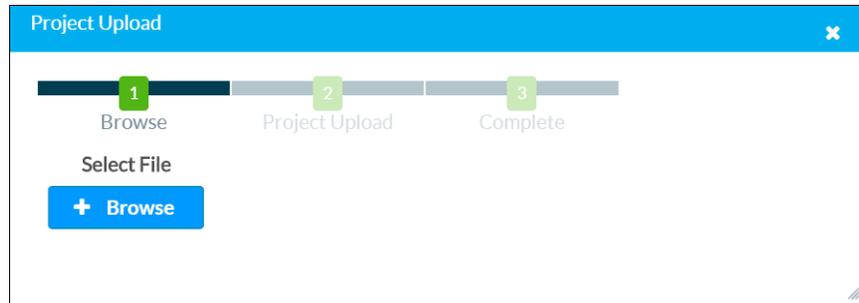
Revert

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 project to the touch screen. A **Project Upload** pop-up window opens for uploading the user project.

Project Upload Window



Use the following procedure to upload a custom user project through the web configuration interface:

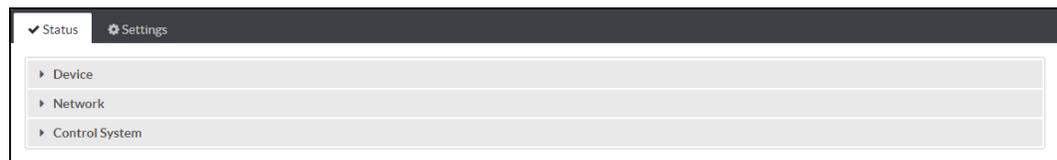
1. Click **Browse**, and then navigate to the project .vtz file on the host computer.
2. Select the project .vtz file, and then click **Open**.
3. Click **Load** to load the project .vtz file to the touch screen. The progress of the upload is shown in the pop-up window.
4. Once the touch screen has completed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

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

Status

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

Status Tab Selections

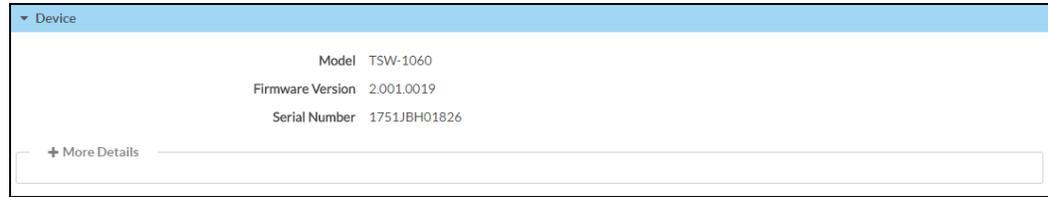


Each selection is described in the sections that follow.

Device

Click the **Device** tab to display the device settings of the touch screen.

Status - Device



The following **Device** settings can be viewed:

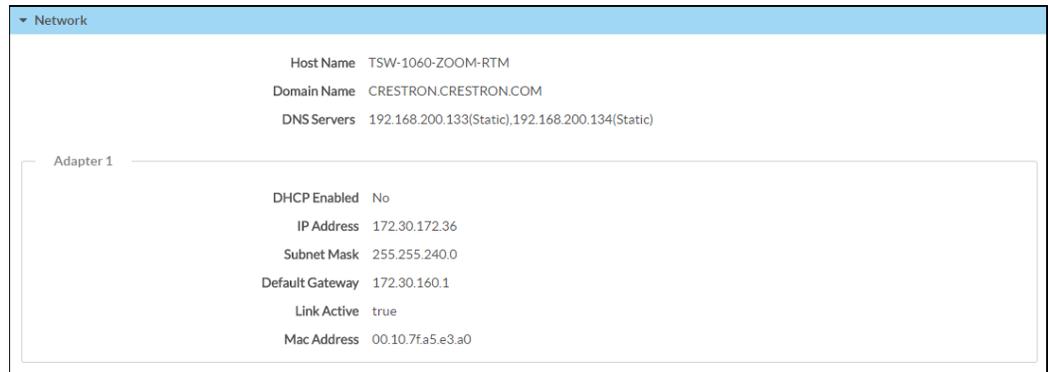
- **Model:** The touch screen model name
- **Firmware Version:** The firmware version currently loaded onto the touch screen
- **Serial Number:** The touch screen's serial number

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

Network

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

Status - Network



The following **Network** settings can be viewed:

- **Host Name:** The host name of the touch screen
- **Domain Name:** The domain name of the touch screen
- **DNS Servers:** The DNS (domain name server) address used to resolve the touch screen domain name to an IP address
- **DHCP Enabled:** Determines if the IP is static (**No**) or dynamic (**Yes**) and the length of time an IP address is assigned
- **IP Address:** The IP address of the touch screen
- **Subnet Mask:** The subnet mask address of the touch screen
- **Default Gateway:** The address of the gateway router
- **Link Active:** Indicates 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 MAC (media access control) address of the touch screen

For more information about configuring network settings, refer to "Network" on page 27.

Control System

Click the **Control System** tab to view the status of the connection between the touch screen and a control system (if applicable).

Status - Control System

Control System	
IP ID	07
IP Address/Hostname	172.30.16.97
Port	41794
Status	ONLINE

The following **Control System** settings can be viewed:

- **IP ID:** The IP ID used to connect the touch screen to the control system's IP table
- **IP Address/Hostname:** The hostname or IP address of the connected control system
- **Port:** The port used for the control system connection
- **Status:** The status of the control system connection

For more information about configuring a control system connection, refer to "Control System" on page 40.

Settings

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

Settings Selections

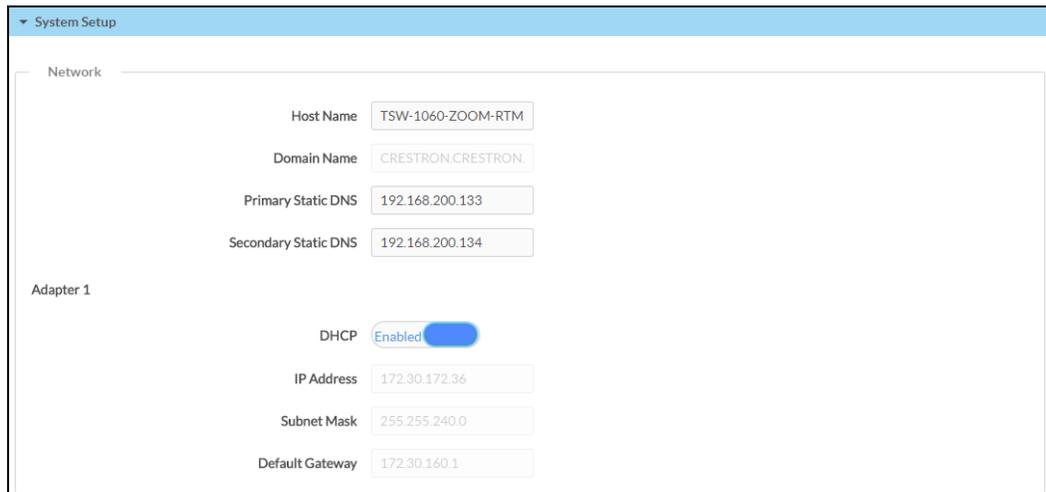


Each selection is described in the sections that follow.

System Setup

Click the **System Setup** tab to configure general network and device settings for the touch screen.

Settings - System Setup



(Continued on following page)

Settings - 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 Disabled

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

Miscellaneous

Project Type

Language

Fusion Cloud

Fusion Cloud Settings

Fusion Cloud Enabled

Fusion Cloud URL

The following **System Setup** settings can be configured:

Network

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

The following **System Setup > Network** settings can be configured:

- **Host Name:** Sets the touch screen hostname
- **Domain Name:** Sets the fully-qualified domain name on the network, consisting of the hostname and the DNS suffix
- **Primary Static DNS:** The primary DNS (domain name server) address used to resolve the touch screen domain name to an IP address
- **Secondary Static DNS:** The secondary DNS address used to resolve the touch screen domain name to an IP address if the primary DNS fails
- **DHCP:** Enables or disables using DHCP (Click the **DHCP** button to toggle between enabling and disabling DHCP. 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:** Sets the IP address of the touch screen on the network. (Valid IP addresses consist of four octets, 0 to 255, separated by periods.)
- **Subnet Mask:** Sets the subnet mask address of the touch screen on the network
- **Default Gateway:** Sets the gateway router address on the network

Device Display

- LCD
 - **Auto Brightness:** Turns automatic brightness control on or off for the touch screen LCD
 - **ALS Threshold Value:** If **Auto Brightness** is enabled, sets the ALS (ambient light sensor) threshold value for switching between high and low auto-brightness presets
 - **Brightness:** If **Auto Brightness** is disabled, sets the touch screen LCD brightness value
 - **Brightness High Preset:** Selects the touch screen LCD high brightness preset value
 - **Brightness Medium Preset:** Selects the touch screen LCD medium brightness preset value
 - **Brightness Low Preset:** Selects the touch screen LCD low brightness preset value

- **Hard Key**
 - **Backlight:** Enables or disables the hard key backlight on the touch screen
 - **Backlight Brightness:** If **Backlight** is enabled, sets the touch screen hard key backlight brightness value
 - **Backlight Auto Brightness:** If **Backlight** is enabled, enables or disables automatic brightness control for the hard key backlight
 - **ALS Threshold Value:** If **Backlight** and **Backlight Auto Brightness** are enabled, sets the touch screen hard key ALS threshold value for switching between high and low auto-brightness presets
 - **Backlight High Preset:** Selects the hard key backlight high brightness preset value
 - **Backlight Medium Preset:** Selects the hard key backlight medium brightness preset value
 - **Backlight Low Preset:** Selects the hard key backlight low brightness preset value
 - **Wakes LCD:** Turns the ability to tap the hard keys to wake the LCD display on or off
- **Screensaver and Standby**
 - **Standby Timeout:** Sets the touch screen's standby timeout duration, in minutes
 - **Enable Screensaver:** Enables or disables displaying a screensaver on the touch screen
 - **Enable 24 Hour Digital Clock:** If **Enable Digital Clock** is enabled, enables or disables displaying the digital clock screensaver in 24-hour time format
 - **Brightness:** Sets the screensaver brightness value
- **Miscellaneous**
 - **Project Type:** Sets whether the touch screen displays a custom user project or the native scheduling application (Refer to the Crestron Room Scheduling Panels Operations Guide (Doc. 8205) for more information about configuring the scheduling application).
 - **Language:** Selects the primary language of the touch screen

Fusion Cloud

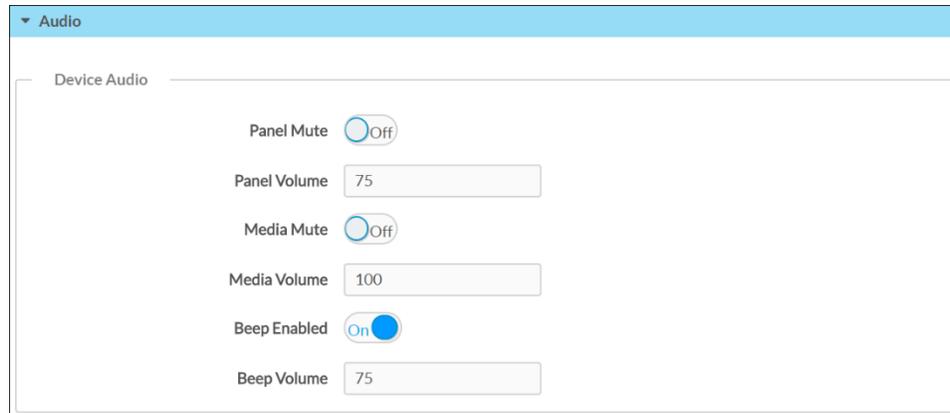
NOTE: If connecting to a Crestron Fusion® software on-premises server, connections are made using either traditional (outbound) or inbound communications. For more information, refer to the Crestron Fusion 10 On-Premises Software Getting Started Guide (Doc. 7685) at www.crestron.com/manuals.

- **Fusion Cloud Settings**
 - **Fusion Cloud:** Enables or disables a connection between the touch screen and a Crestron Fusion server
 - **Fusion Cloud Url:** Sets the URL used to connect the touch screen with a Crestron Fusion server

Audio

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

Settings - Audio



The following **Audio > Device Audio** settings can be configured:

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

- **Panel Mute:** Mutes or unmutes the touch screen master volume (Click the **Panel Mute** button to toggle between muting and unmuting the master volume.)
- **Panel Volume:** If **Mute** is turned off, sets the touch screen master volume level, from 0 to 100%
- **Media Mute:** Mutes or unmutes the touch screen media volume (Click the **Media Mute** button to toggle between muting and unmuting the media volume.)
- **Media Volume:** If **Media Mute** is turned off, sets the touch screen media volume level, from 0 to 100%
- **Beep Enabled:** Turns the touch screen beep volume on or off (Click the **Beep Enabled** button to toggle between enabling and disabling the beep volume.)
- **Beep Volume:** If **Beep Enabled** is turned on, sets the touch screen beep volume level, from 0 to 100%

Cloud Settings

Click the **Cloud Settings** tab to configure a connection between the touch screen and the Crestron XiO Cloud service. The default setting is **Cloud Configuration Service Connection** enabled.

NOTE: The minimum firmware version required for the touch screen support of this feature is 2.000.0051.

Settings - Cloud Settings

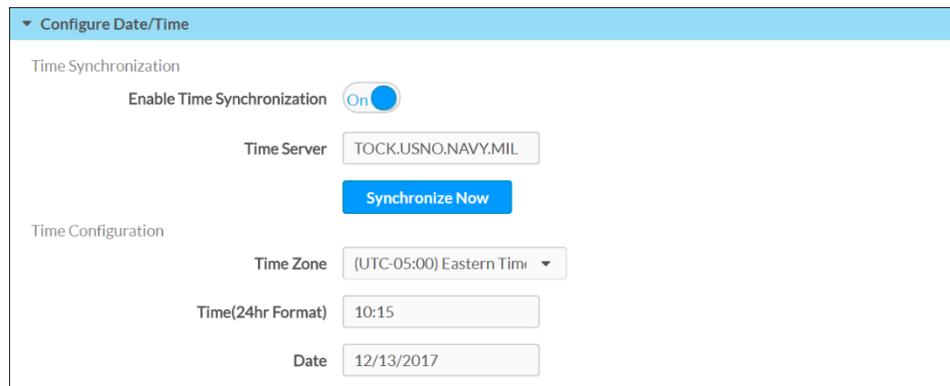


Click the **Cloud Configuration Service Connection** button to enable or disable a connection between the touch screen and the Crestron XiO Cloud service. For more information on connecting to the Crestron XiO Cloud service, refer to “Connecting to Crestron XiO Cloud Service” on page 45.

Configure Date/Time

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

Settings - Configure Date/Time



The following **Configure Date/Time** settings can be configured:

Time Synchronization

- **Enable Time Synchronization:** Turns using SNTP (Simple Network Time Protocol) to synchronize time to set the date and time on or off (Click the **Enable Time Synchronization** button to toggle between turning time synchronization on or off.)
- **Time Server:** Sets the SNTP server used to synchronize the date and time for the touch screen

After an SNTP server has been entered in the **Time Server** text box, click **Synchronize Now** to synchronize the touch screen date and time with the SNTP server. Time synchronization can take up to two minutes to complete.

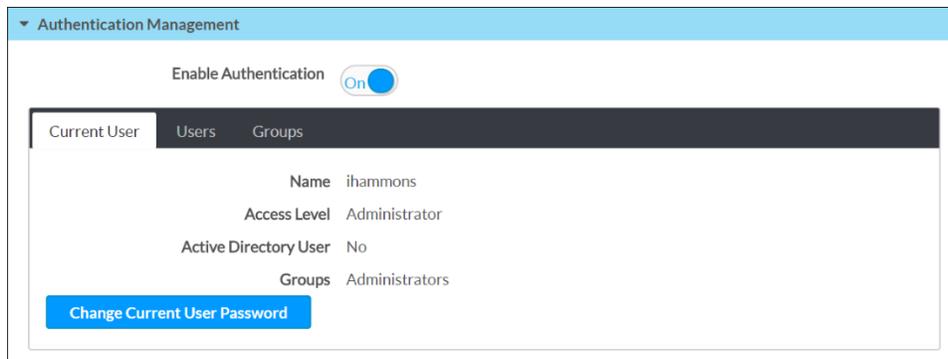
Time Configuration

- **Time Zone:** If **Enable Time Synchronization** is set to **Off**, selects the time zone of the touch screen
- **Time(24hr Format):** If **Enable Time Synchronization** is set to **Off**, sets the time for the touch screen, in 24-hour format.
- **Date:** If **Enable Time Synchronization** is set to **Off**, sets the date for the touch screen (Use the pop-up calendar window to select the day, month, and year.)

Authentication Management

Click the **Authentication Management** tab to configure authentication management for touch screen users and groups and to allow different levels of access to touch screen functions.

Settings - Authentication Management



Click the **Enable Authentication** button to toggle between turning authentication on or off on the touch screen. (Authentication is disabled 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 access the touch screen through Crestron Toolbox™ software.

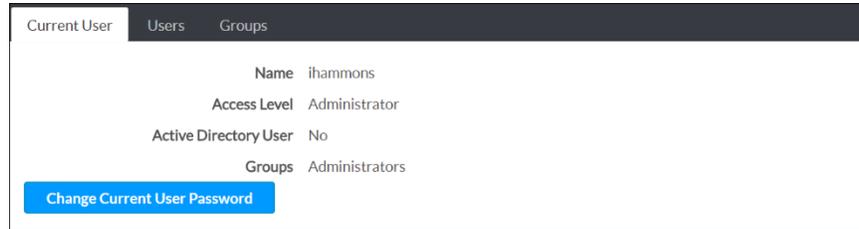
CAUTION: Do not lose the administrator username and password, as the touch screen must be restored to factory defaults to reset the username and password.

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



Current User	Users	Groups
Name	ihammons	
Access Level	Administrator	
Active Directory User	No	
Groups	Administrators	
Change Current User Password		

The following settings for the current user can be viewed:

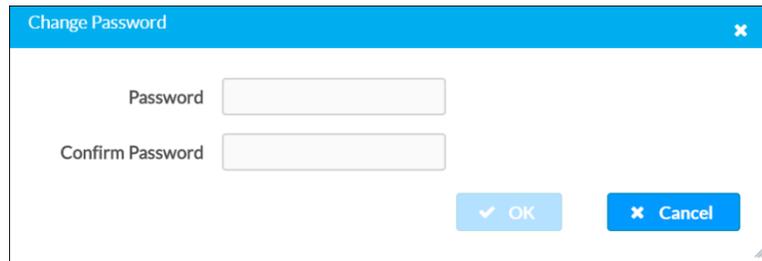
- **Name:** Displays the chosen username
- **Access Level:** Displays the access level granted to the current user (**Administrator**, **Programmer**, **Operator**, **User**, or **Connect**)
- **Active Directory User:** Displays whether the current user is authenticated using Active Directory® software.

NOTE: A user must be added to an Active Directory group to be selected as an Active Directory user. For more information, refer to "Groups" on page 36.

- **Groups:** Displays any groups that contain the active user

To change the password for the current user, click **Change Current User Password**. The **Change Password** pop-up window opens.

Change Password Window



Change Password

Password

Confirm Password

Type a new password in the **Password** field, and then retype the password in the **Confirm Password** field. Then, tap **OK** to save the new password or **Cancel** to cancel the password change.

Users

Click the **User** tab to view and edit settings for touch screen users.

Authentication Management - Users

User Name	AD User	Actions
ihammons	No	  
jsmith1	No	  

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

If the listed users span across multiple pages, navigate through the users by clicking a page number or by using the left or right arrows at the bottom of the page to move forward or backward through the pages. Additionally, each page can be set to display 5, 10, or 20 users by using the drop-down menu to right of the navigation arrows.

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

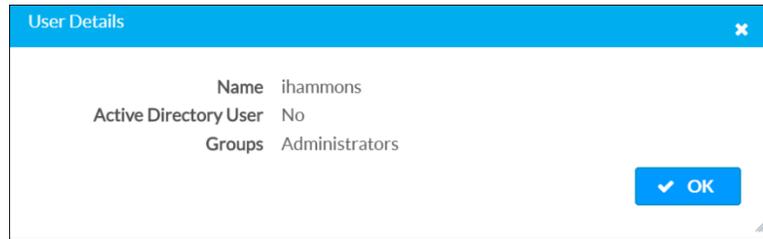
- **User Name:** Displays the chosen username
- **AD User:** Displays whether the current user is authenticated using Active Directory

NOTE: A user must be added to an Active Directory group to be selected as an Active Directory user. For more information, refer to "Groups" on page 36.

Additionally, the following actions can be performed for each user with the options provided in the **Actions** column for that user.

Click the information button () in the **Actions** column to view information for the selected user. The **User Details** pop-up window opens.

User Details Window



The screenshot shows a window titled "User Details" with a blue header and a close button (X) in the top right corner. The main content area displays the following information:

Name	ihammons
Active Directory User	No
Groups	Administrators

In the bottom right corner, there is a blue button with a checkmark and the text "OK".

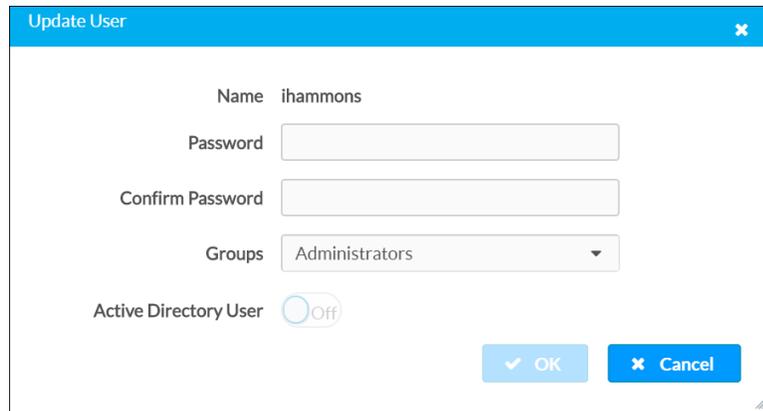
The following information is provided for the selected user:

- **Name:** Displays the chosen username
- **Active Directory User:** Displays whether the user is part of an Active Directory group
- **Groups:** Displays any groups that contain the user

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

Click the edit button (✎) in the **Actions** column to edit settings for the selected user. The **Update User** pop-up window opens.

Update User Window



The screenshot shows a window titled "Update User" with a blue header and a close button (X) in the top right corner. The main content area contains the following fields:

- Name:** ihammons
- Password:** [Text input field]
- Confirm Password:** [Text input field]
- Groups:** Administrators (dropdown menu)
- Active Directory User:** Off (toggle switch)

In the bottom right corner, there are two buttons: a blue button with a checkmark and "OK", and a blue button with an X and "Cancel".

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

- **Name:** Displays the chosen username
- **Password:** Sets a new password for the user
- **Confirm Password:** Confirms the password set using the **Password** field
- **Groups:** Adds the user to one or more groups (For more information about creating groups, refer to "Groups" on page 36.)
- **Active Directory User:** Turns whether the user is authenticated using Active Directory on or off

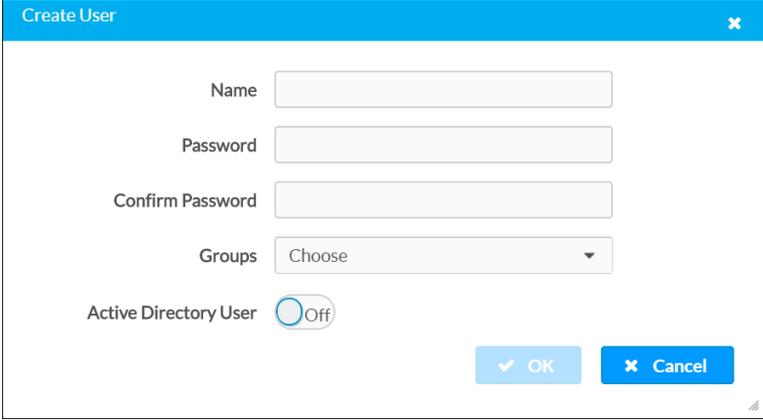
NOTE: A user must be added to an Active Directory group to be selected as an Active Directory user.

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

Click the trashcan icon (🗑️) in the **Actions** column to delete a user. A pop-up window displays with a "Are you sure you want to delete [username] user?" dialogue, where "username" is the selected user. Click **Yes** to delete the user or **No** to cancel the deletion.

Click **Create User** to create a new touch screen user. The **Create User** pop-up window opens.

Create User Window



The following **Create User** settings can be configured:

- **Name:** Sets the username
- **Password:** Sets a password for the user
- **Confirm Password:** Confirms the password set using the **Password** field
- **Groups:** Adds the user to one or more groups
- **Active Directory User:** Turns whether the user is authenticated using Active Directory on or off

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** settings. A growl notification displays stating that the group was created successfully. Click **Cancel** to cancel the changes.

Groups

Click the **Groups** tab to view and edit settings for touch screen groups. Touch screen groups allow users to be grouped by access level and Active Directory authentication.

Authentication Management - Groups

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

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

If the listed groups span across multiple pages, navigate through the groups by clicking a page number or by using the left or right arrows at the bottom of the page to move forward or backward through the pages. Additionally, each page can be set to display 5, 10, or 20 groups by using the drop-down menu to right of the navigation arrows.

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

- **Group Name:** Displays the name of the touch screen group
- **AD Group:** Displays whether the group requires authentication using Active Directory.

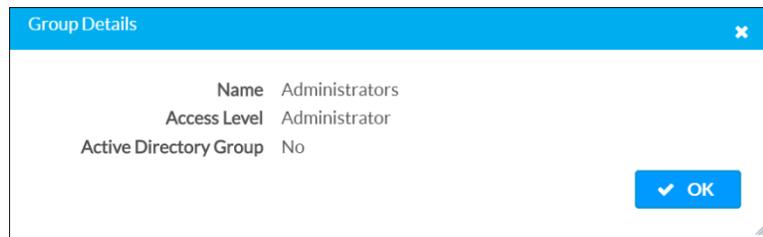
NOTE: Active Directory provides an additional layer of authentication for touch screen groups and users. Active directory group and user names are stored in the touch screen console along with a unique SID (security identifier). When an Active Directory user attempts to authenticate against the console, the console uses the credentials provided by the user to authenticate against Active Directory. 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:** Displays the access level granted to user in the group (**Administrator**, **Programmer**, **Operator**, **User**, or **Connect**)

Additionally, the following actions can be performed for each group with the options provided in the **Actions** column for that group.

Click the information button () in the **Actions** column to view information for the selected group. The **Group Details** pop-up window opens.

Group Details



The following information is provided for the selected group:

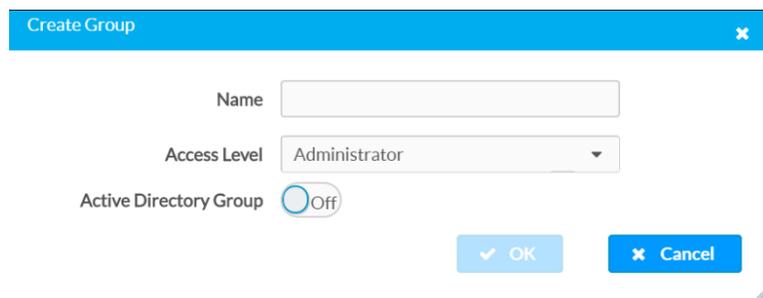
- **Name:** Displays the name of the group
- **Access Level:** Displays the access level of the group and its users
- **Active Directory Group:** Displays whether the group is an Active Directory group

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

Click the trashcan icon () in the **Actions** column to delete a group. A pop-up window displays with a "Are you sure you want to delete [group name] group?" dialogue, where "group name" is the selected group. Click **Yes** to delete the group or **No** to cancel the deletion.

Click **Create Group** to create a new touch screen group. The **Create Group** pop-up window opens.

Create Group Window



The following **Create Group** settings can be configured:

- **Name:** Sets the name for the group
- **Access Level:** Sets the access level of the group and its users
- **Active Directory Group:** Turns setting the group as an Active Directory group on or off (Click the **Active Directory Group** On/Off button to toggle between enabling and disabling the group as an Active Directory group.)

Click **OK** to save any changes and to return to the **Authentication Management > Groups** settings. A growl notification displays stating that the group was created successfully. Click **Cancel** to cancel the changes.

802.1x Configuration

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

Settings - 802.1x Configuration

▼ 802.1x Configuration

IEEE 802.1x Authentication **Enabled**

Authentication Method: EAP MSCHAP V2- passw

Domain: mydomain.com

Username: user

Password: ****

Enable Authentication Server Validation **Enabled**

Select Trusted Certificate Authoritie(s)

- AAA Certificate Services
- ACCVRAIZ1
- ACEDICOM Root
- Actalis Authentication Root CA
- AddTrust Class 1 CA Root
- AddTrust External CA Root
- AddTrust Public CA Root
- AddTrust Qualified CA Root
- AffirmTrust Commercial
- AffirmTrust Networking
- AffirmTrust Premium ECC
- AffirmTrust Premium
- America Online Root Certification Authority 1
- America Online Root Certification Authority 2

Manage Certificates

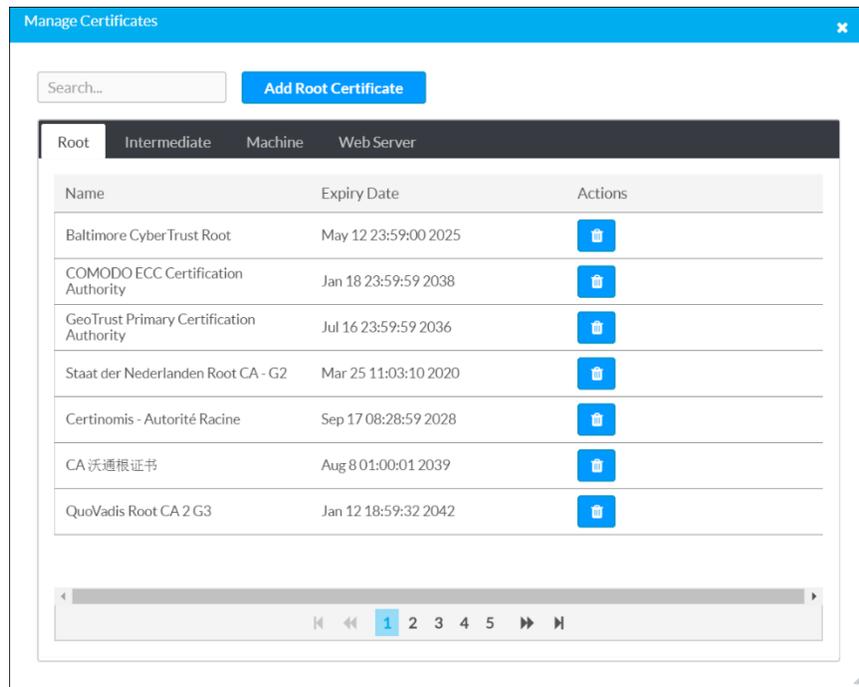
The following **802.1x Configuration** settings can be configured:

- **IEEE 802.1x Authentication:** Enables or disables using 802.1x authentication for the touch screen (Click the **IEEE 802.1x Authentication** button to toggle between enabling and disabling 802.1x authentication.)
- **Authentication Method:** Selects the 802.1x authentication method (**EAP-TLS Certificate** or **EAP MSCHAP V2- password**)
- **Domain:** If **EAP MSCHAP V2- password** is selected for **Authentication Method**, sets the domain name required for authentication
- **Username:** If **EAP MSCHAP V2- password** is selected for **Authentication Method**, sets the username required for authentication
- **Password:** If **EAP MSCHAP V2- password** is selected for **Authentication Method**, sets the password required for authentication

- **Enable Authentication Server Validation:** Enables or disables server validation when using 802.1x authentication for increased security (Click the **Enable Authentication Server Validation** button to toggle between enabling and disabling server validation.)
- **Select Trusted Certificate Authority(ies):** Selects trusted CAs (Certificate Authorities) to use for server validation:
 - Click the check box to the left of a CA to select it as a trusted CA.
 - Type a search term into the text field at the top of the CA menu to search for and display CAs that match the search criterion.
 - Click the check box to the left of the text field at the top of the CA menu to select all listed CAs as trusted CAs.

Click **Manage Certificates** at the bottom of the **802.1x Authentication** section to add or remove CAs from the CA menu. The **Manage Certificates** pop-up window displays.

Manage Certificates Window - Root Tab



Use the tabs near the top of the page to switch between the different types of CAs (**Root**, **Intermediate**, **Machine**, or **Web Server**).

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

If the listed CAs span across multiple pages, navigate through the available CAs by clicking a page number or by using the left or right arrows at the bottom of the page to move forward or backward through the pages.

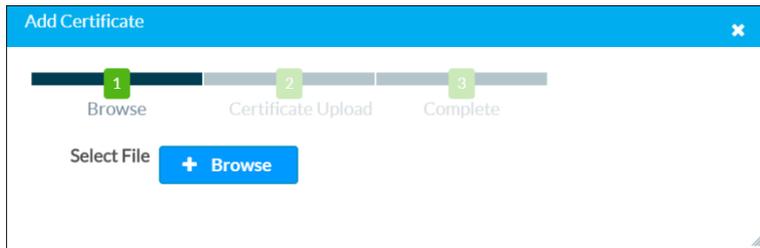
CAs are listed in table format, and the following information is provided for each type of CA:

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

CAs can be deleted by clicking the trashcan button (🗑️) in the **Actions** column of the CA menu. A pop-up window displays with a "Are you sure you want to delete this certificate? [Certificate Name]?" dialogue, where "Certificate Name" is the selected CA. Click **Yes** to delete the certificate or **No** to cancel the deletion.

Click **Add [Type] Certificate** to add a CA of the chosen type (**Root**, **Intermediate**, **Machine**, or **Web Server**) to the CA menu. The **Add Certificate** pop-up window opens.

Add Certificate Window



Use the following procedure to upload a custom user project through the web configuration interface:

1. Click **Browse**, and then navigate to the CA file on the host computer.
2. Select the CA file, and then click **Open**.
3. Click **Load** to load the CA file to the touch screen. The progress of the upload is shown in the pop-up window.
4. Once the touch screen has completed the upload, click **OK**.

Click the **x** button to close the **Add Certificate** window 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** window and to return to the main **802.1x Authentication** settings.

Control System

Click the **Control System** tab to configure a connection between a control system and the touch screen.

Settings - Control System

The following **Control System** settings can be configured:

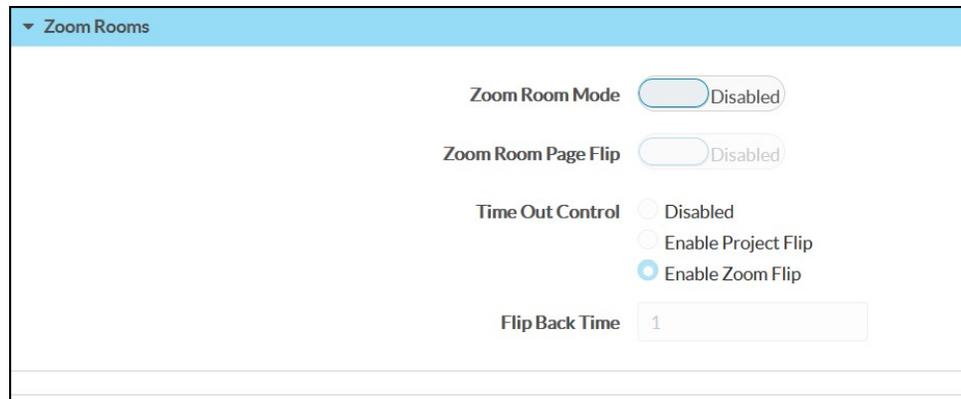
- **Encrypt Connection:** Turns setting an encrypted connection between a control system and the touch screen on or off (Click the **Encrypt Connection** button to toggle between enabling and disabling an encrypted connection to the control system.)
- **Control System Username:** If **Encrypt Connection** is turned on, sets a username for accessing the encrypted connection to the control system
- **Control System Password:** If **Encrypt Connection** is turned on, sets a password for accessing the encrypted connection to the control system
- **Confirm Password:** Confirms the password entered in the **Password** field
- **IP ID:** Sets the IP ID used to connect the touch screen to the control system's IP table
- **IP Address/Hostname:** Sets the IP address of the control system

Zoom Rooms

Click the **Zoom Rooms** tab to view and modify the status of the touch screen display. Options are the user project or Zoom Room Mode. The user project is the default setting; Zoom Room Mode is disabled.

NOTE: The minimum firmware version required for the touch screen support of this feature is 2.001.0020.001.

Settings – Zoom Rooms



▼ Zoom Rooms

Zoom Room Mode Disabled

Zoom Room Page Flip Disabled

Time Out Control Disabled
 Enable Project Flip
 Enable Zoom Flip

Flip Back Time

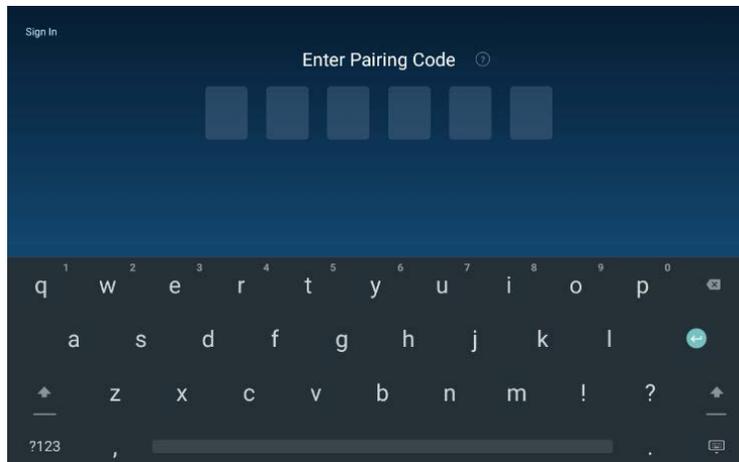
NOTE: A device reboot is required after enabling **Zoom Room Mode** and **Zoom Room Page Flip**. Click **OK** on the pop-up window to begin the reboot.

The following **Zoom Rooms** settings can be configured:

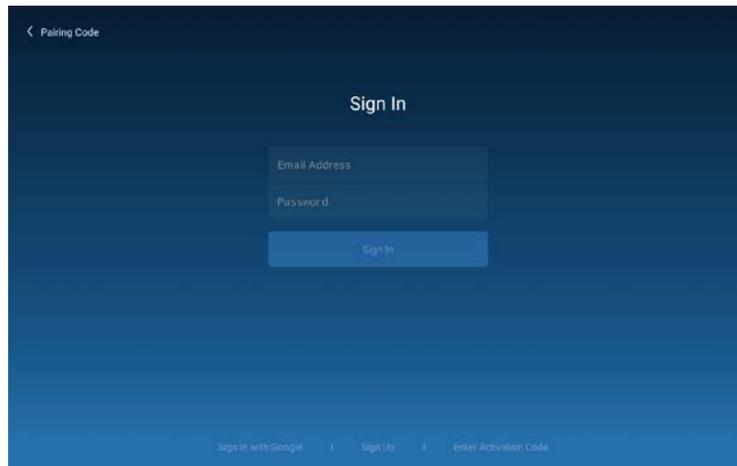
- **Zoom Room Mode:** Enables or disables Zoom Room Mode on the touch screen
- **Zoom Room Page Flip:** Enables or disables the user's ability to toggle between the Zoom Room App and the user project
- **Time Out Control:** Enables or disables an automatic page flip to either the Zoom Room App or the user project after a specified flip back time (Choose one of three settings.)
 - **Disabled:** Disables the automatic page flip
 - **Enable Project Flip:** Enables the automatic page flip to the user project until the home button (second hard key from top right) is pressed
 - **Enable Zoom Flip:** Enables the automatic page flip to the Zoom Room App until the home button (second hard key from top right) is pressed
- **Flip Back Time:** Selects the time (in minutes) for enabling the automatic page flip

After enabling Zoom Room Mode for the first time, the touch screen provides a means to connect to the Zoom Rooms PC. Obtain Zoom account login information from the user's IT (Information Technology) department.

1. There are two ways to access the Zoom account. Tap the upper left corner (**Sign In** or **Pairing**) to toggle between the options.
 - a. Enter the pairing code (supplied by IT).



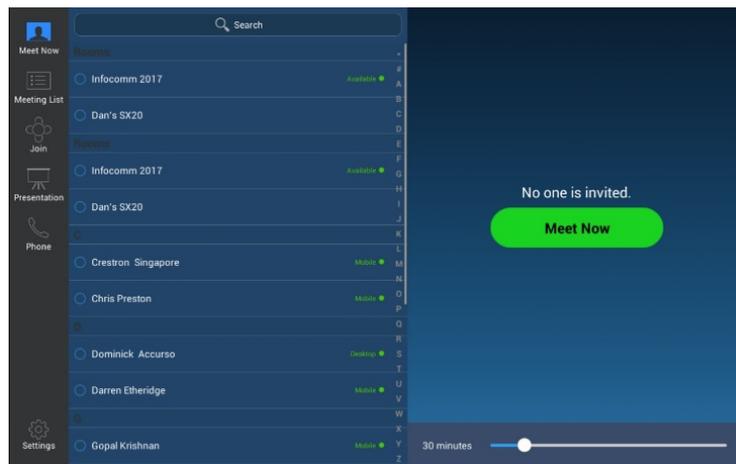
- b. Enter the email address and password (supplied by IT). Tap **Sign In**.



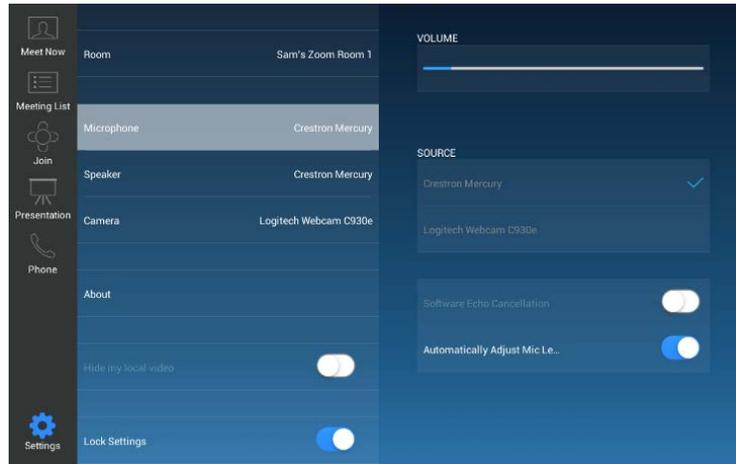
2. Tap the name of the conference room from the list of available conference rooms.



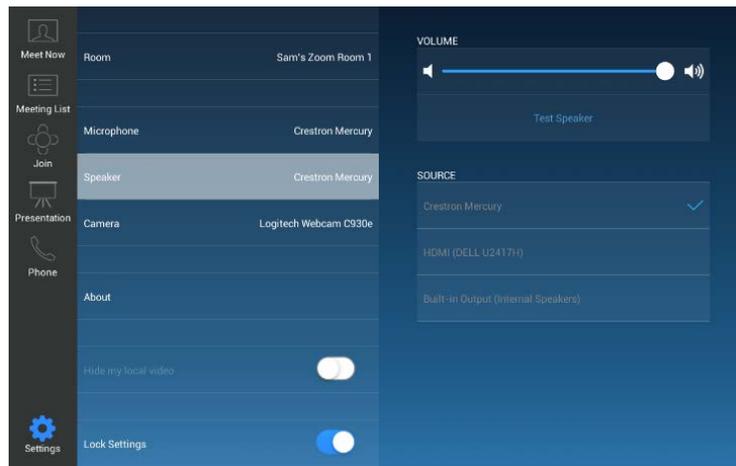
3. Tap **Settings** from the Zoom Rooms App to display conference room settings.



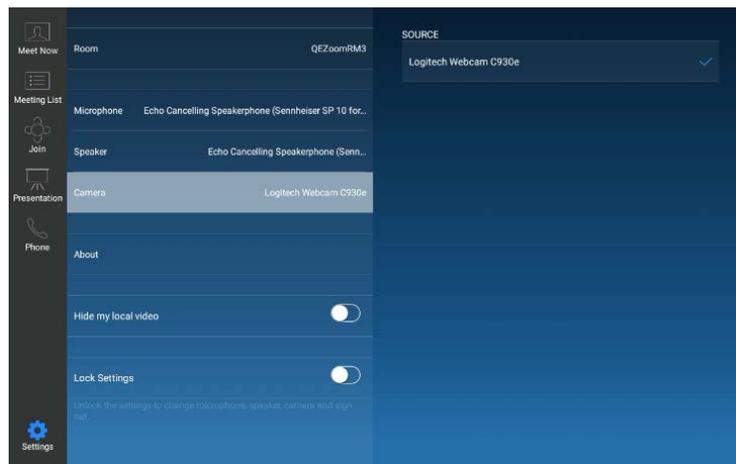
4. Tap **Microphone** and select an available microphone in the conference room.



5. Tap **Speaker** and select an available speaker in the conference room.



6. Tap **Camera** and select an available camera in the conference room.



7. Tap **Meet Now** to exit.

Connecting 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 can be used to view the status of a device, to configure various device and network settings, to configure licenses, and to update device firmware.

The Crestron XiO Cloud service requires devices to be claimed so they can be managed by the service. To claim a single device or multiple devices, perform one of the following procedures.

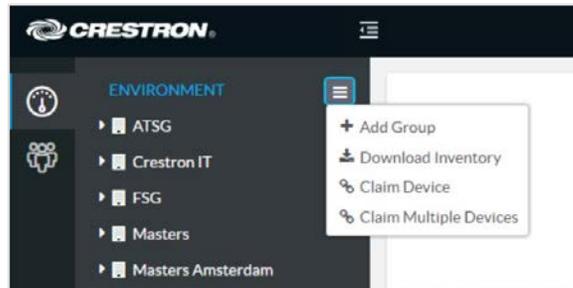
Claim a Single Device

1. Record the MAC address and serial number that are labeled on the shipping box or on a sticker attached to the device. The MAC address and serial number are required to add the device to the Crestron XiO Cloud environment.

NOTE: Use the MAC address labelled “MAC Address.”

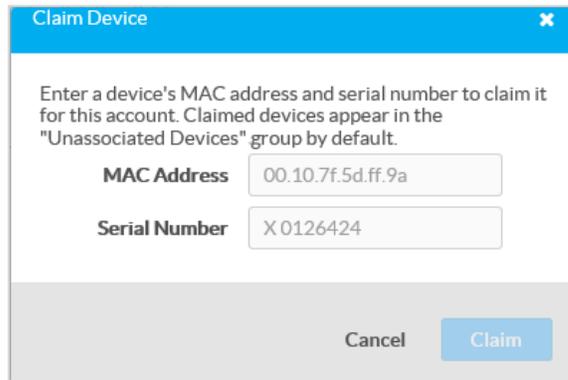
2. Open a web browser, and log in to the Crestron XiO Cloud service at <https://portal.crestron.io>.
3. Click the **ENVIRONMENT** menu button (☰) to display the Environment menu.

Environment Menu



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

Claim Device Dialog Box

A screenshot of the "Claim Device" dialog box. The title bar is blue with the text "Claim Device" and a close button (X). The main content area has a light gray background and contains the following text: "Enter a device's MAC address and serial number to claim it for this account. Claimed devices appear in the 'Unassociated Devices' group by default." Below this text are two input fields. The first is labeled "MAC Address" and contains the value "00.10.7f.5d.ff.9a". The second is labeled "Serial Number" and contains the value "X 0126424". At the bottom of the dialog box, there are two buttons: "Cancel" and "Claim".

5. Enter the MAC address and serial number recorded in step 1 in the **MAC Address** and **Serial Number** fields, respectively.
6. Click **Claim**. A message indicating a successful claiming displays.

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

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

The device can now be managed or assigned to a group. For information on creating environments, managing devices, and managing users with the Crestron XiO Cloud service, refer to the Crestron XiO Cloud Service User Guide Guide (Doc. 8214) at www.crestron.com/manuals.

Claim Multiple Devices

1. Record all of the MAC addresses and respective serial numbers in a comma delimited, CSV file, and then save it to a location that is accessible to the computer used to access the Crestron XiO Cloud service. The CSV file should be formatted as shown below:

CSV File Format

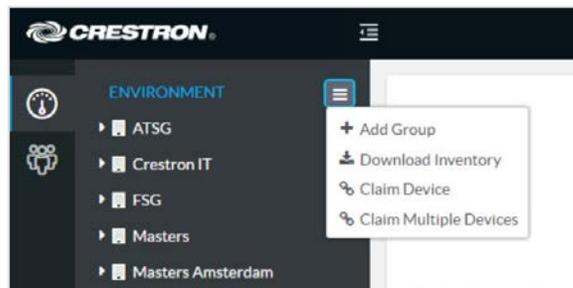
```
MAC Address,Serial Number
00.10.7f.8b.81.b6,17284712
00.10.7f.8b.8c.87,17284570
00.10.7f.96.83.93,1716JBG01207
00.10.7f.96.92.0a,1716JBG01550
00.10.7f.8b.87.c1,17284670
```

NOTE: MAC addresses and serial numbers are labeled on the shipping box or on a sticker attached to the device.

NOTE: Use the MAC address labelled "MAC Address."

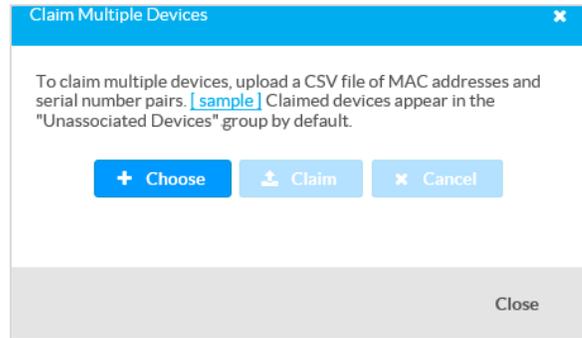
2. Open a web browser, and log in to the Crestron XiO Cloud service at <https://portal.crestron.io>.
3. Click the **ENVIRONMENT** menu button (☰) to display the Environment menu.

Environment Menu



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

Claim Multiple Devices Dialog Box



5. Click Choose and 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 displays stating the device does not exist, connect the device to a network that has access to the Internet, wait 15 minutes, and 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**.

The devices can now be managed or assigned to 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).

Crestron Electronics, Inc.
15 Volvo Drive, Rockleigh, NJ 07647
Tel: 888.CRESTRON
Fax: 201.767.7576
www.crestron.com



Supplemental Guide – DOC. 7927F
(2047265)

04.18

Specifications subject to
change without notice.