



TSW-560/TSW-760/TSW-1060

5", 7", and 10.1" Touch Screens

Supplemental Guide

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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.

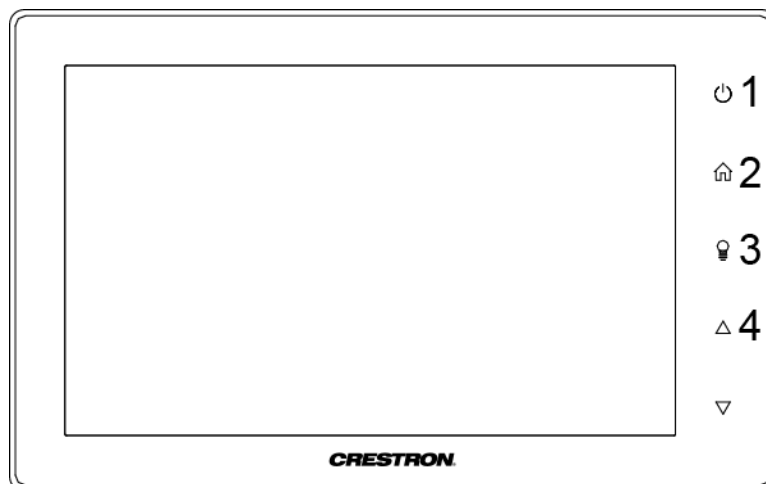
NOTE: The Crestron TSW-560P 5" portrait touch screen provides the same setup screens that are described in this guide, but their appearance and layout have been modified for portrait orientation.

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 ways to access 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.

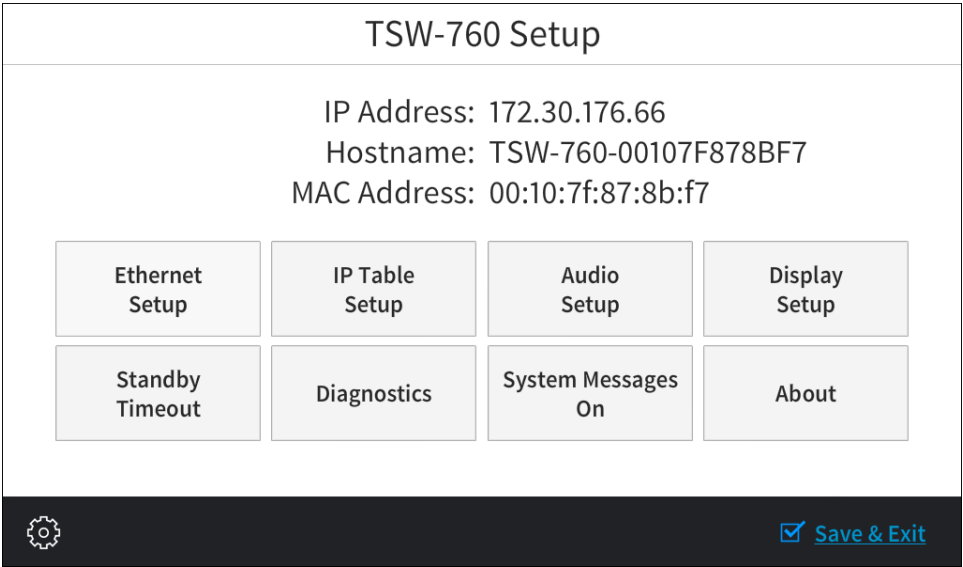
Touch Screen Hard Key Assignment




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. 7973A) at www.crestron.com/manuals.

The **TSW-560/760/1060 Setup** screen is displayed.

TSW 760 Setup Screen



The **TSW-560/760/1060 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: The bottom toolbar is present on all of the setup screens. The toolbar provides a gear button  that can be tapped to return to the **TSW-560/760/1060 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 **TSW-560/760/1060 Setup** screen, tap **Ethernet Setup** to display the **Ethernet Setup** screen.

Ethernet Setup Screen

The screenshot shows the 'Ethernet Setup' screen with a title bar containing '< BACK', 'Ethernet Setup', 'APPLY CHANGES', and 'REBOOT'. The main content area is divided into two columns. The left column, titled 'Current Ethernet Settings', lists: MAC: 00:10:7f:87:8b:f7, IP Address: 172.30.176.66, Subnet Mask: 255.255.240.0, Default Router: 172.30.176.1, Primary DNS: 192.168.200.133, Secondary DNS: 192.168.200.134, Hostname: TSW-760-00107F878BF7, and Domain: CRESTRON.CRESTRON.COM. The right column, titled 'Ethernet IP Options', features a 'Link' indicator with a green dot, a 'Set Static IP Address Settings' button, a 'DHCP Enable' section with 'On' (selected) and 'Off' buttons, and a 'Set Hostname' button. A bottom bar contains a gear icon on the left and a 'Save & Exit' button on the right.

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
0.0.0.0

Static Subnet Mask
0.0.0.0

Static Default Router
0.0.0.0

Preferred DNS
0.0.0.0

Alternate Preferred DNS
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 **Ethernet Setup - Static IPs** 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 **TSW-560/760/1060 Setup** screen.

IP Table Setup

On the **TSW-560/760/1060 Setup** screen, tap **IP Table Setup** to display the **Ethernet Setup - IP Table** screen.


Ethernet Setup - IP Table Screen

< BACK

Ethernet Setup - IP Table

Touch a Setting to Edit

		Online
Add/Edit	- Add Entry -	<input type="radio"/>
Add/Edit	- Add Entry -	<input type="radio"/>
Add/Edit	- Add Entry -	<input type="radio"/>
Add/Edit	- Add Entry -	<input type="radio"/>



☒ Save & Exit

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

< BACK


Ethernet Setup - Edit IP Table

Touch a Setting to Edit

CIP ID	IP Address / Hostname	Port
3		41794

SAVE

DELETE



☒ Save & Exit

Tap the text field below **CIP ID** to display the on-screen hex keypad.

On-Screen Hex Keypad

The screenshot shows a screen titled "Edit CIP ID" with a "< CANCEL" button in the top left. Below the title is a text field containing the number "3". To the right of the text field are two buttons: a clear button (a square with an 'X') and a delete button (a square with a circle and an 'X'). Below the text field is a 4x4 grid of buttons representing hexadecimal digits: 1, 2, 3, 4; 5, 6, 7, 8; 9, A, B, C; and D, E, F, 0. To the right of this grid is a green "SAVE" button.

- 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.

Tap the text field below **IP Address / Hostname** to display the on-screen keyboard.

On-Screen Keyboard

The screenshot shows a screen titled "Edit IP/Host" with a "< CANCEL" button in the top left. Below the title is a text field. To the right of the text field is a clear button (a square with an 'X'). Below the text field is an on-screen keyboard layout. The first row contains buttons for q, w, e, r, t, y, u, i, o, p. The second row contains buttons for a, s, d, f, g, h, j, k, l. The third row contains buttons for Caps Lock, z, x, c, v, b, n, m, and a delete button (a square with a circle and an 'X'). The bottom row contains buttons for Shift, Space, .?123, and a green "SAVE" button.

- 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.

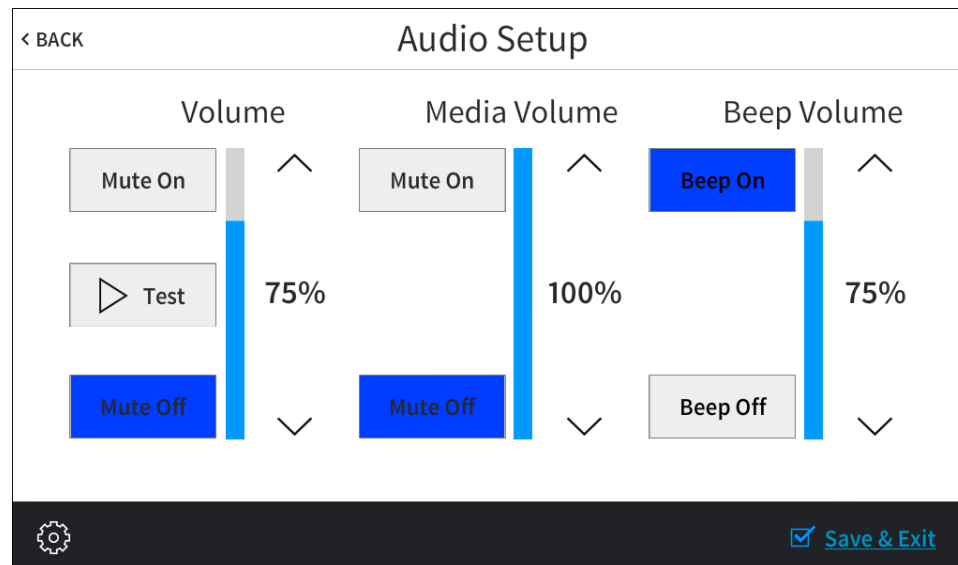
On the **Ethernet Setup - IP Table** screen, tap **SAVE** to save the current entry or **DELETE** to clear it.

- If no changes are made, tap < **BACK** to return to the **Ethernet Setup** screen.
- Tap < **BACK** again to return to the **TSW-560/760/1060 Setup** screen.

Audio Setup

On the **TSW-560/760/1060 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 **TSW-560/760/1060 Setup** screen.

Display Setup

On the **TSW-560/760/1060 Setup** screen, tap **Display Setup** to display the **Display Setup** screen.

Display Setup Screen

The screenshot shows the **Display Setup** screen with a title bar containing a back arrow, the title **Display Setup**, and a link to **H/M/L SETTINGS**. The screen is divided into two main sections: **LCD (Screen)** and **Key Backlight**, each with a **Presets** button. Under **LCD (Screen)**, there are settings for **Brightness** (100%), **Auto Brightness** (On), and **Hard Key Backlight** (Enabled). Each has up/down arrows and a status button. Below these is an **ALS Threshold Value** slider set to 50%. The **Key Backlight** section has similar settings for **Brightness** (80%), **Auto Brightness** (On), and **Hard Key Wakes LCD** (On). It also has an **ALS Threshold Value** slider set to 50%. At the bottom, there is a gear icon for settings and a **Save & Exit** button with a checkmark.

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 enable or disable auto brightness on the display.
- Tap the left and right arrows to adjust the 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 enable or disable auto brightness for the backlight.
- Tap **On** or **Off** under **Hard Key Wakes LCD** to enable or disable waking the LCD display by tapping a hard key.

- Tap the left and right arrows to adjust the 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.

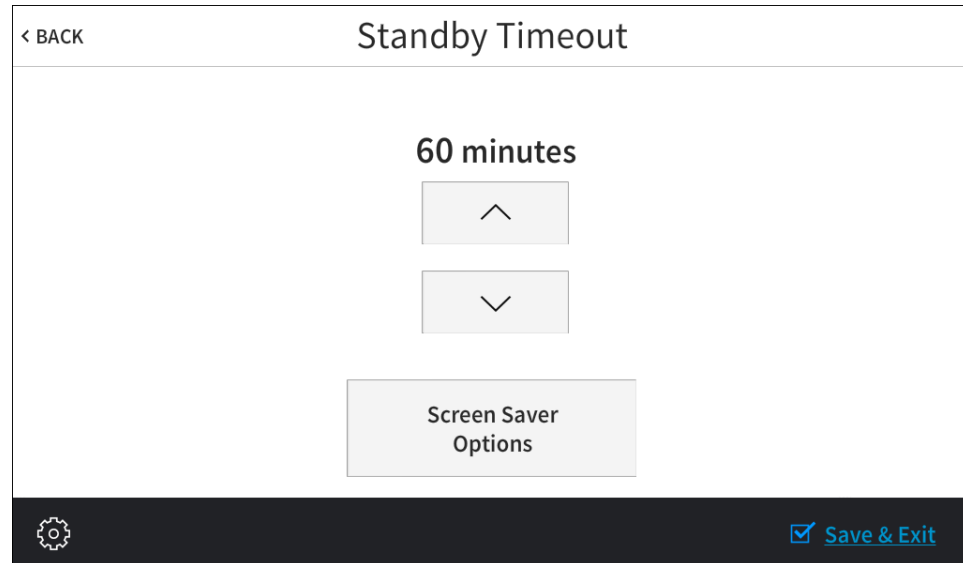
Display High / Low Settings Screen

- 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 **TSW-560/760/1060 Setup** screen, tap **Standby Timeout** to display the **Standby Timeout** screen.

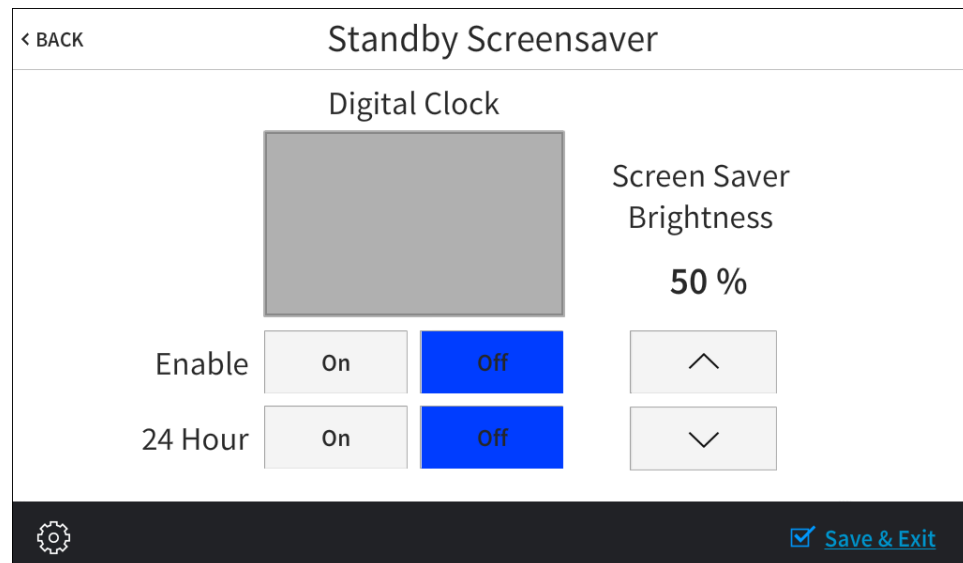
Standby Timeout Screen



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 - Screen Saver** 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 enable or disable the digital clock screensaver during standby timeout.
- Tap **On** or **Off** next to **24 Hour** to enable or disable 24-hour time format for the digital clock.
- Tap the up and down arrows to increase or decrease the screen saver brightness value, from 0 to 100%.

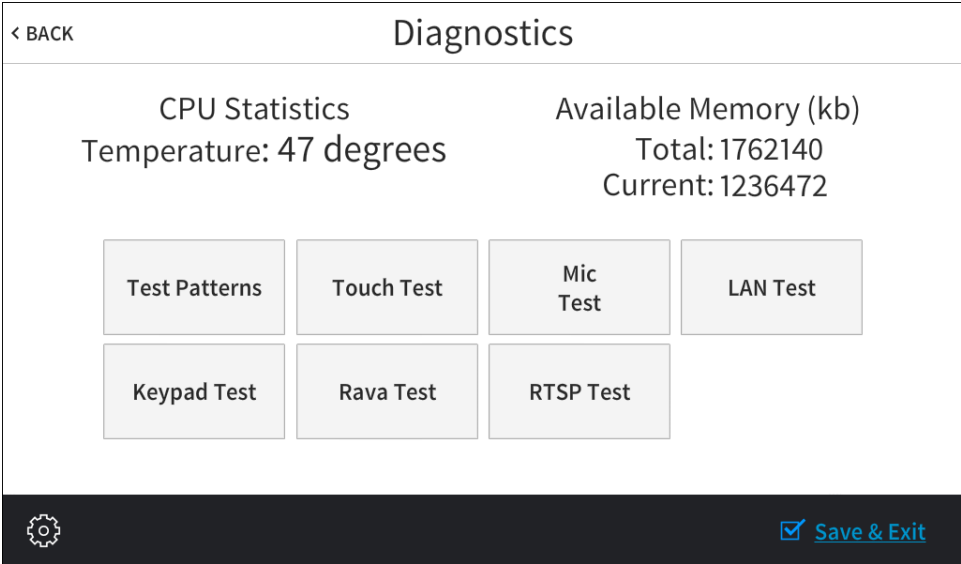
Tap < **BACK** to return to the **Standby Timeout** screen.

Tap < **BACK** again to return to the **TSW 560/760/1060 Setup** screen.

Diagnostics

On the **TSW-560/760/1060 Setup** screen, tap **Diagnostics** to display the **Diagnostics** screen.

Diagnostics Screen

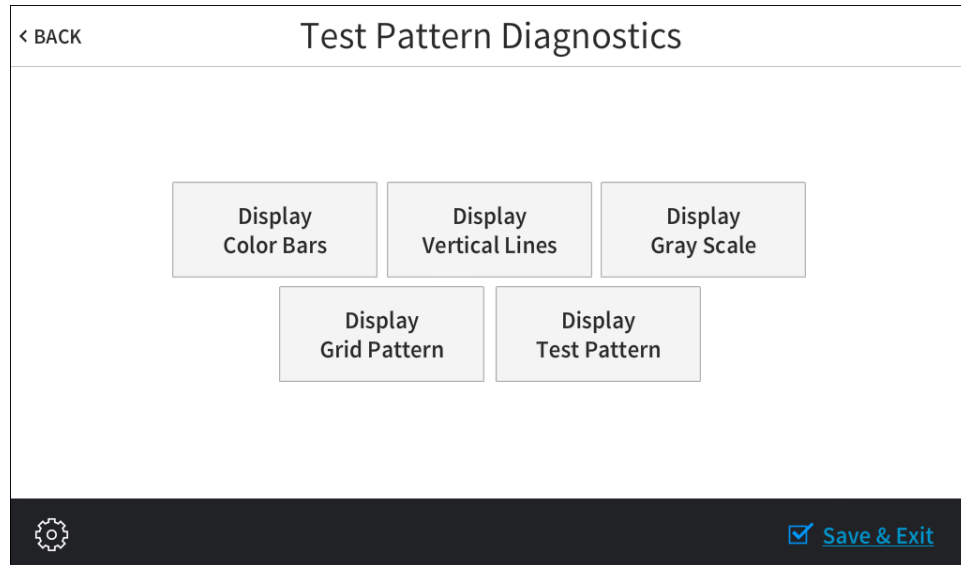


The **Diagnostics** screen displays the touch screen's CPU temperature and available memory, and it provides buttons to open various test screens. The test screens are explained in the sections that follow.

Test Patterns

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

Test Pattern Diagnostics Screen



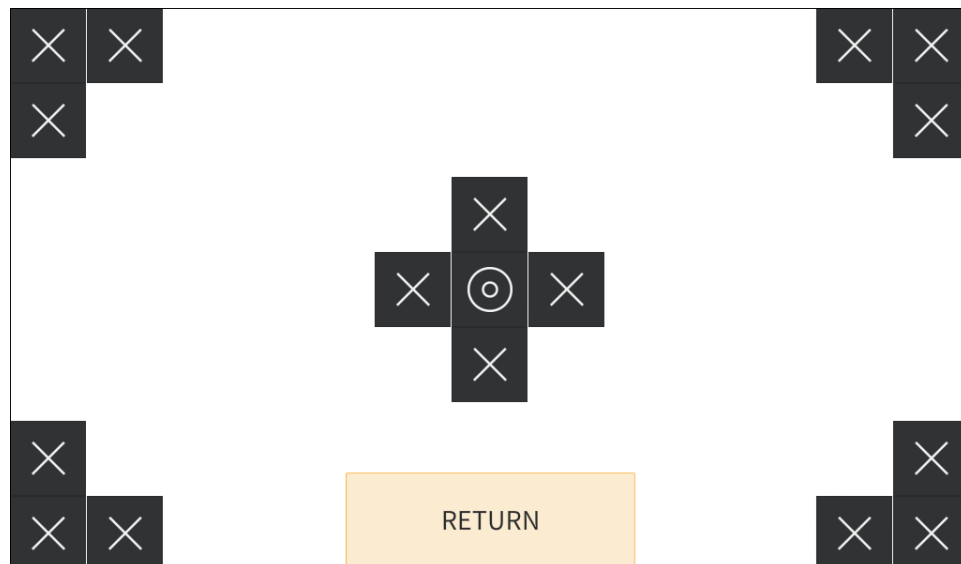
Use the **Test Pattern Diagnostics** screen to display any of the available test patterns. Tap one of the buttons on the screen to display its respective test pattern.

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



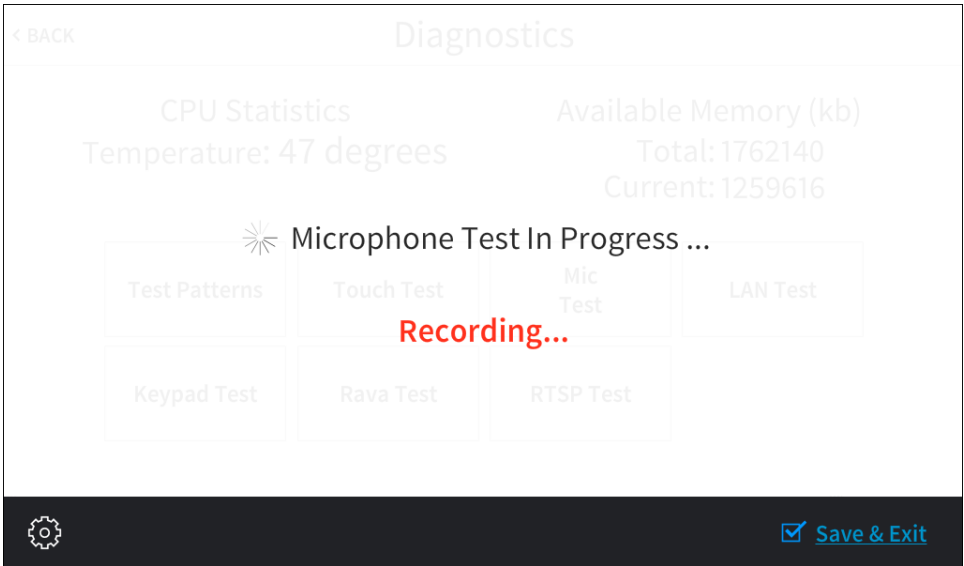
Use the touch test screen to test the touch functionality of the display. When a location button is tapped, its respective indicator lights on the screen.

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

Mic Test

On the **Diagnostics** menu, 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

< BACK Ethernet Diagnostics

Current Ethernet Settings Link: ●

MAC: 00:10:7f:87:8b:f7
IP Address: 172.30.176.66
Subnet Mask: 255.255.240.0
Default Router: 172.30.176.1
Primary DNS: 192.168.200.133
Secondary DNS: 192.168.200.134
Hostname: TSW-760-00107F878BF7
Domain: CRESTRON.CRESTRON.COM

Ping Default Router Test ON OFF

⚙ Save & Exit

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).

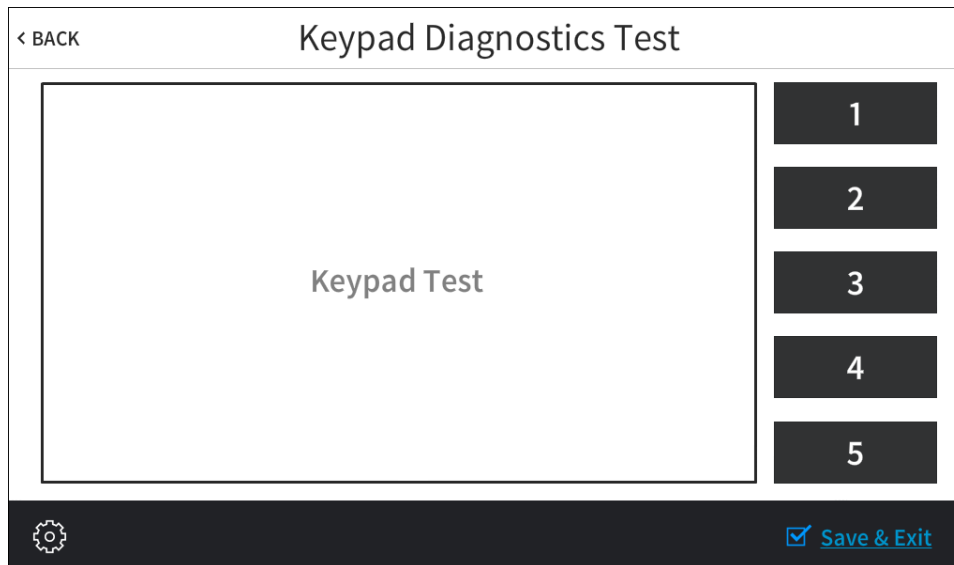
Additionally, this screen provides controls to test the connection to the default router. Tap **On** to begin the test, and tap **Off** to end the test.

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 SIP server mode

Peer to Peer 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.

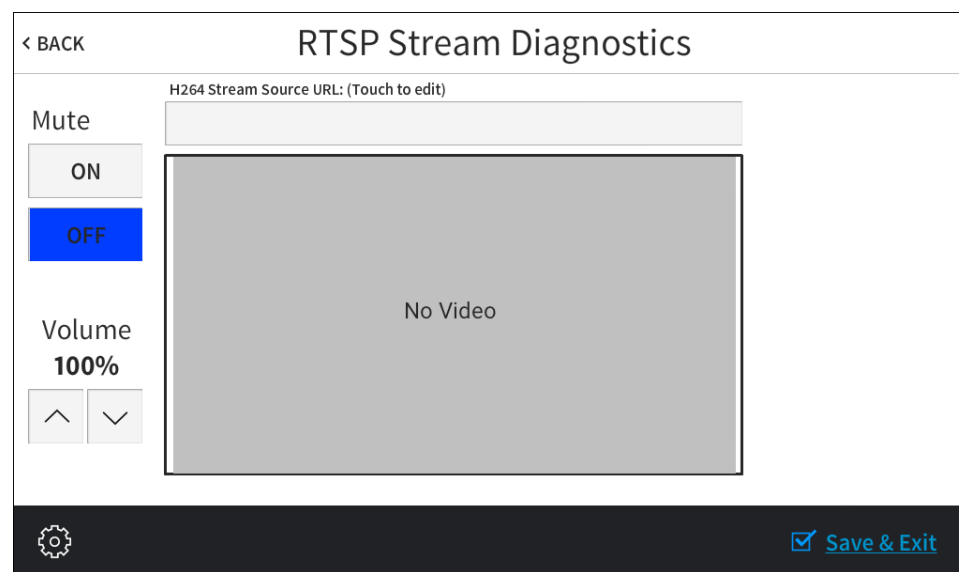
When all settings are entered, touch **Apply** to store them or **< BACK** to ignore any changes. Touching either option returns the display to the **Rava Diagnostics** screen.

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.

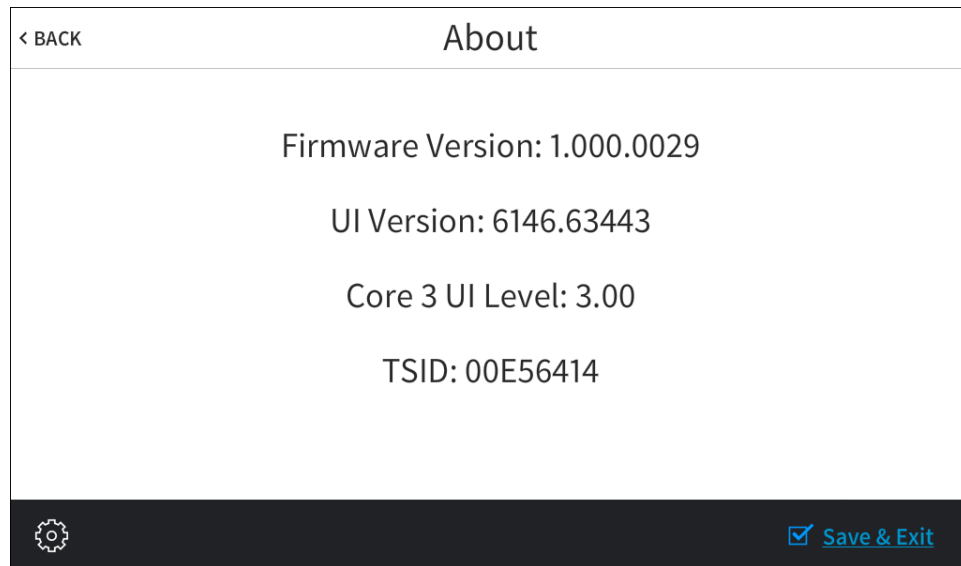
Tap the up and down arrows on the left side of the screen to raise or lower the volume of the video stream, from 0 to 100%, and tap **On** or **Off** under **Mute** to mute or unmute the volume of the video stream.

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

About

On the **TSW-560/760/1060 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 **TSW-560/760/1060 Setup** screen.

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