

Crestron **TSW-552/752/1052**

5"/7"/10.1" Touch Screens

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Configuration Guide



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# 5"/7"/10.1" Touch Screens: TSW-552/752/1052

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## Access the Setup Screens

The “TSW-x52 Setup” menu is the starting point for configuring the TSW-552, TSW-752, and TSW-1052 touch screens from Crestron®.

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**NOTE:** If no project has been loaded or if an invalid project has been loaded, the screen displays a message saying “There is no display project to start...[Touch screen to enter setup.]”.

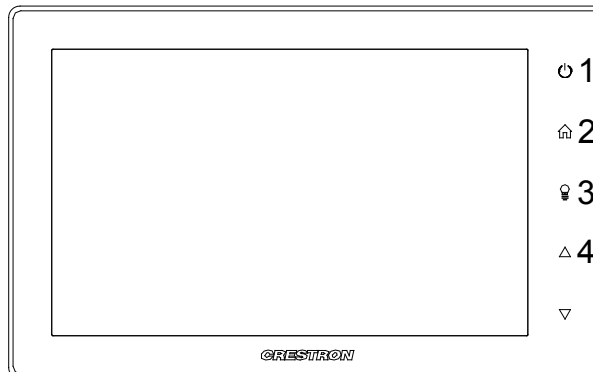
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The setup screens enable basic configuration procedures prior to regular operation of the touch screen.

During regular operation of the touch screen, there are two ways to activate the setup functions:

1. Place a button on the project main page and assign the reserved join number (17242) that activates setup.
2. Press hard keys 1, 2, 3, and 4, to the right of the touch screen display, in sequence twice (i.e., press 1, 2, 3, 4, 1, 2, 3, 4) within a five second period.

### *Button Numbering*



The “TSW-x52 Setup” menu is displayed.

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**NOTE:** The touch screen model name is part of the setup menu name. For example, on the TSW-752, the menu name is “TSW-752 Setup”.

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**“TSW-752 Setup” Menu**



The “TSW-x52 Setup” menu is comprised of buttons for **Ethernet Setup**, **IP Table Setup**, **Audio Setup**, **Display Setup**, **Standby Timeout** and **Diagnostics**. In addition, there is a button to toggle system messages on or off, an **About** button that provides information about the touch screen and a **Save & Exit** button. The functions of each are detailed in the next section of this guide.

## Configure the Touch Screen

### Ethernet Setup

On the “TSW-x52 Setup” menu, touch **Ethernet Setup** to display the “Ethernet Setup” menu.

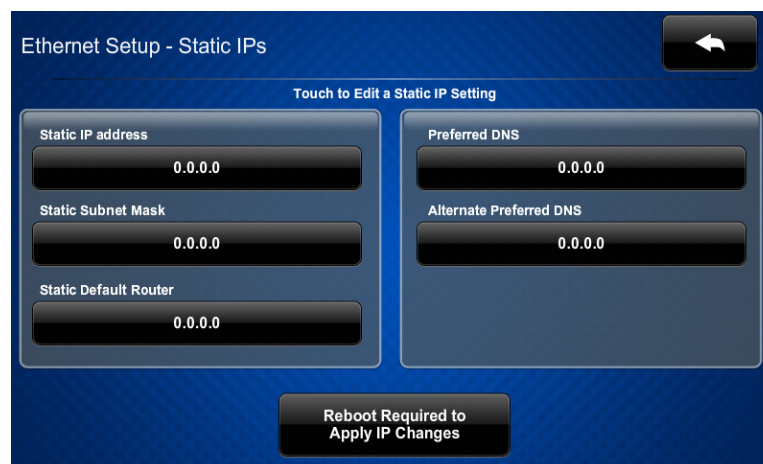
#### “Ethernet Setup” Menu



The “Ethernet Setup” menu displays the touch screen’s *Mac* and *IP Address*, *Subnet Mask*, *Def Router*, *Primary DNS*, *Secondary DNS*, *Hostname*, and *Domain*. There are controls for turning *DHCP On* or *Off* and, when DHCP is off, a **Set Static IP Address Settings** button, which provides access to controls which allow editing of these settings. This screen also contains a *Link* indicator to show the status of the Ethernet connection.

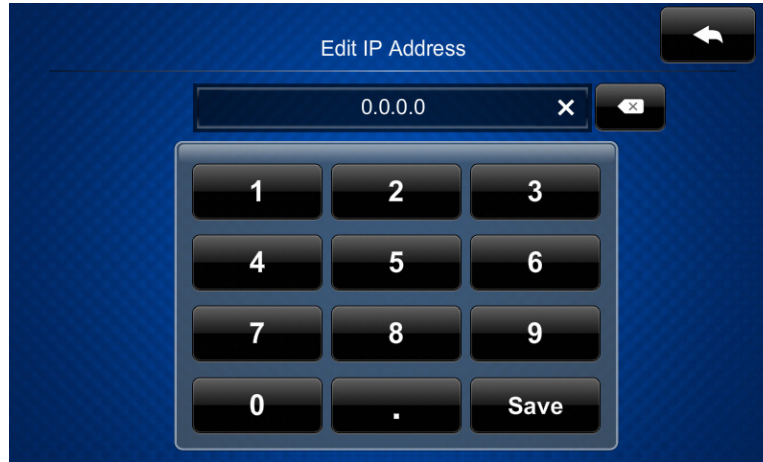
DHCP is enabled by default. To change to a static IP address, touch **Off** under *DHCP Enabled*, then touch **Set Static IP Address Settings** to display the “Ethernet Setup – Static IPs” screen.



#### “Ethernet Setup – Static IPs” Screen



To edit the *Static IP Address*, *Static Subnet Mask*, *Static Default Router*, *Preferred DNS*, or *Alternate Preferred DNS*, touch the button directly under the label for the entry to edit. The on-screen numeric keypad opens.


***On-Screen Numeric Keypad***



Use the keypad to make the new entry. Touch the “x” in the text field to clear any previous entry. Touch  to delete the last digit. Touch **Save** to save a new entry or  to return to the “Ethernet Setup – Static IPs” screen.

After new settings have been saved, touch **Reboot Required to Apply IP Changes** on the “Ethernet Setup – Static IPs” screen to reboot the touch screen, so the new settings can take effect.

If not making any changes, touch  to return to the “Ethernet Setup” menu.

Touch  again to return to the “TSW-x52 Setup” menu.



## IP Table Setup

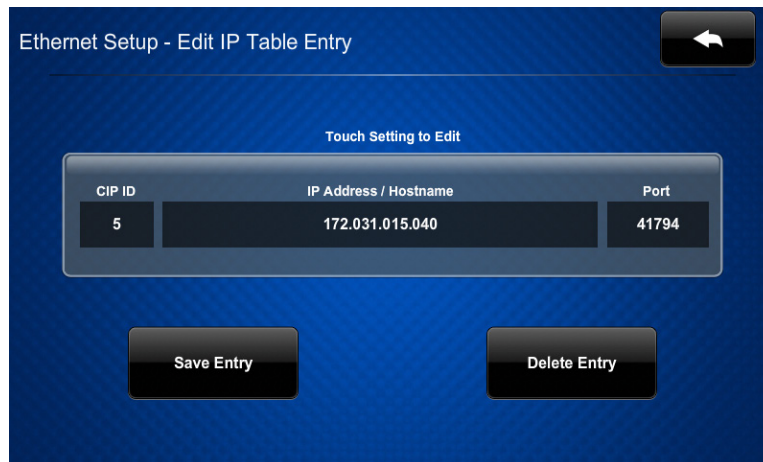
On the “TSW-x52 Setup” menu, touch **IP Table Setup** to display the “Ethernet Setup – IP Table” menu.

### “Ethernet Setup –IP Table” Menu



The “Ethernet Setup – IP Table” menu displays up to four IP table settings, each of which has an *Online* indicator. To add or edit an entry, touch the **Add/Edit** button to its left. The “Ethernet Setup – Edit IP Table Entry” screen is displayed.



### “Ethernet Setup –Edit IP Table Entry” Screen



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

#### ***On-Screen Hex Keypad***




Use the keypad to make the new entry. Touch the “x” in the text field to clear any previous entry. Touch  to delete the last digit. Touch **Save** to save a new entry or  to return to the “Ethernet Setup – Edit IP Table Entry” screen.

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

#### ***On-Screen Keyboard***




Use the keyboard to make the new entry. Touch **Cancel** to return to the “Ethernet Setup – Edit IP Table Entry” screen. Touch the “x” in the text field to clear any

previous entry. Touch  to delete the last digit. Touch **Save** to save a new entry and return to the “Ethernet Setup – Edit IP Table Entry” screen.

On the “Ethernet Setup – Edit IP Table Entry” screen, touch **Save Entry** to save the current entry or **Delete Entry** to clear it.

If not making any changes, touch  to return to the “Ethernet Setup –IP Table” menu.

Touch  again to return to the “TSW-x52 Setup” menu.


## Audio Setup

On the “TSW-x52 Setup” menu, touch **Audio Setup** to display the “Audio Setup” screen.

### “Audio Setup” Screen



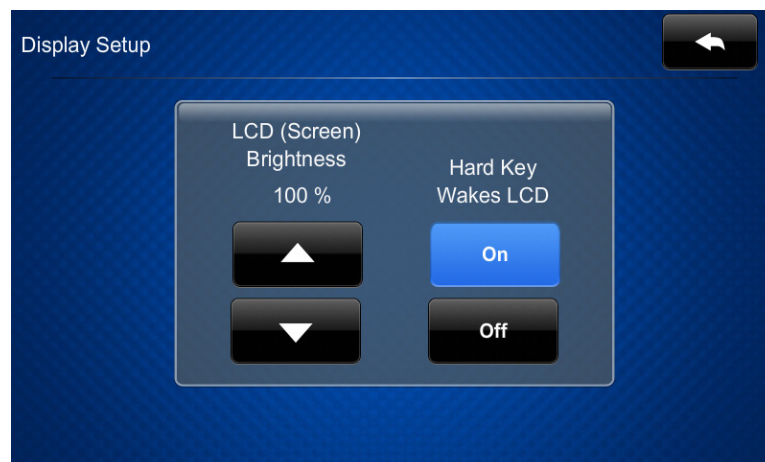
The “Audio Setup” screen provides controls for muting (or unmuting) the audio, adjusting level for both *Master Volume* and *Media Volume*, as well as a control for playing a test .wav file. The *Media Volume* controls adjust H.264 streaming media level in relation to the *Master Volume* controls.

Touch  to return to the “TSW-x52 Setup” menu.


## Display Setup

On the “TSW-x52 Setup” menu, touch **Display Setup** to enter the “Display Setup” screen.

### “Display Setup” Screen



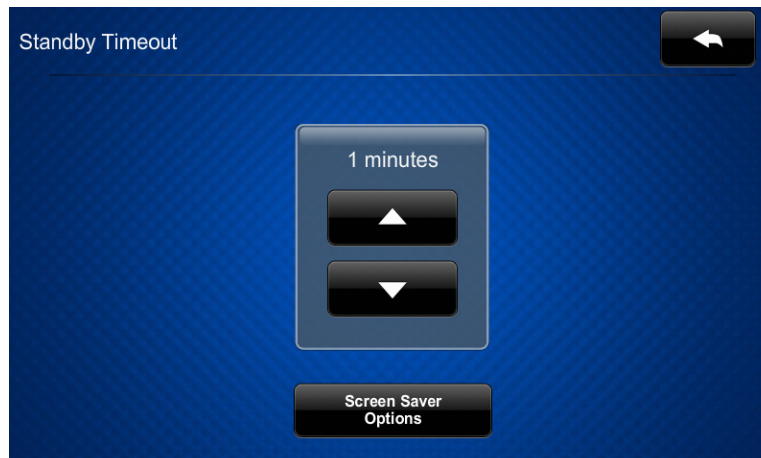
The “Display Setup” screen provides controls for *LCD (Screen) Brightness* and **On** and **Off** controls for *Hard Key Wakes LCD*.

Touch  to return to the “TSW-x52 Setup” menu.

## Standby Timeout

On the “TSW-x52 Setup” menu, touch **Standby Timeout** to display the “Standby Timeout” menu.

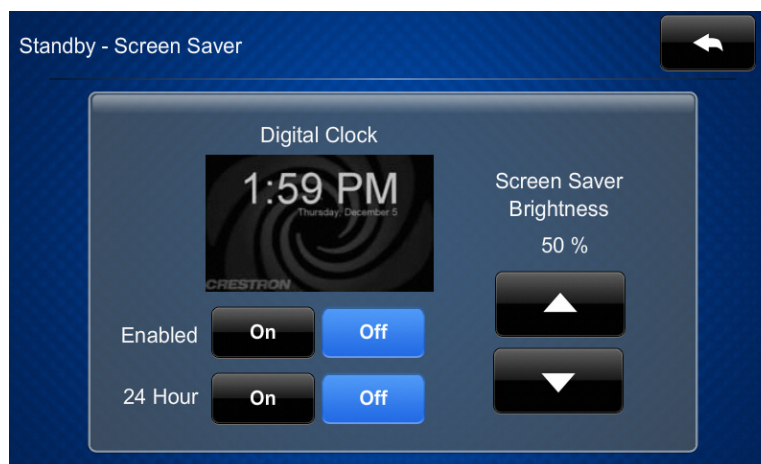
### “Standby Timeout” Menu




The “Standby Timeout” menu provides controls to adjust standby timeout from 0 to 120 minutes.


Touch **Screen Saver Options** to display the “Standby – Screen Saver” screen.

### “Standby – Screen Saver” Screen



The “Standby – Screen Saver” screen provides controls to turn the *Digital Clock* screen saver **On** and **Off** as well as controls to display the time in a *24 Hour* format and to adjust the *Screen Saver Brightness*.

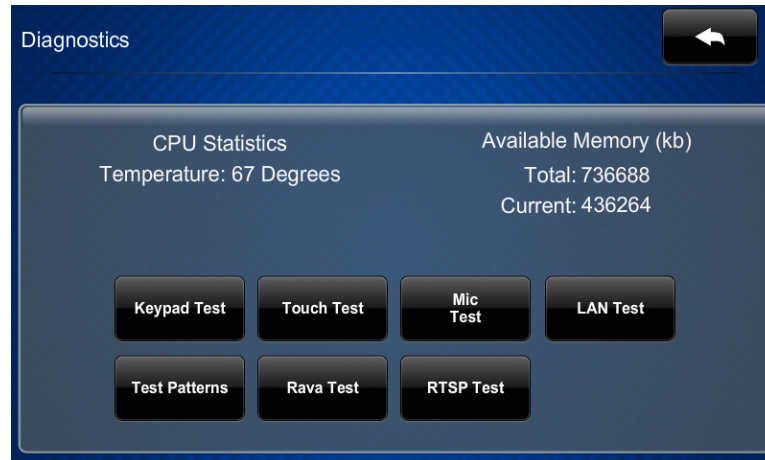
Touch  to return to the “Standby Timeout” menu.

Touch  again to return to the “TSW-x52 Setup” menu.

## Diagnostics

On the “TSW-x52 Setup” menu, touch **Diagnostics** to display the “Diagnostics” menu.

### “Diagnostics” Menu

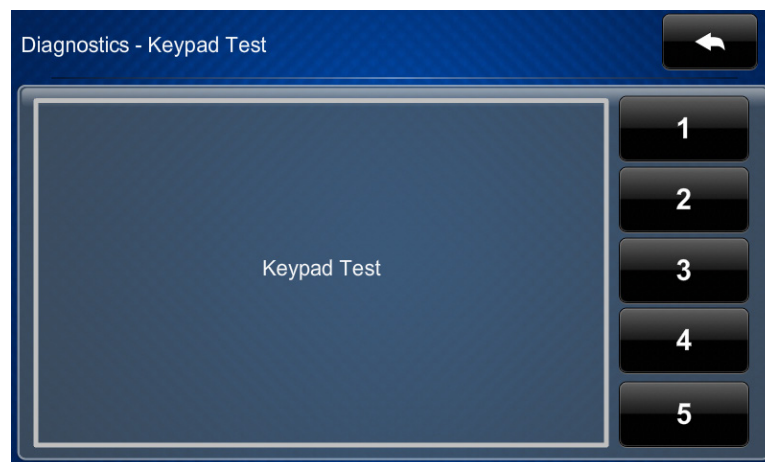


The “Diagnostics” menu displays the CPU temperature, *Available Memory* and contains controls to run a **Keypad Test**, **Touch Test**, **Mic Test**, **LAN Test**, **Rava Test**, and **RTSP Test**. In addition, there is a **Test Patterns** control to open various test pattern screens. These are explained in the paragraphs that follow.


### Keypad Test

On the “Diagnostics” menu, touch **Keypad Test** to display the “Diagnostics – Keypad Test” screen.

### “Diagnostics – Keypad Test” Screen



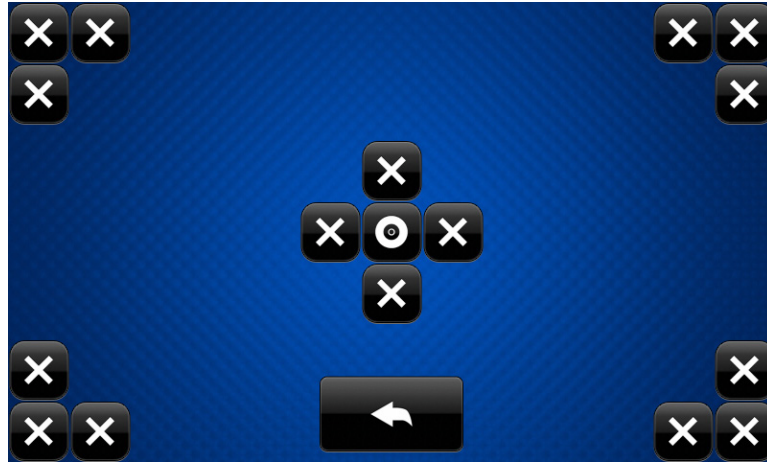
The “Diagnostics - Keypad” screen can be used to test the function of the hard key push buttons on the right side of the screen. When a button is pressed, its corresponding indication on the screen lights.

Touch  to return to the "Diagnostics" menu.


### ***Touch Test***

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

#### ***Touch Test Screen***



The touch test screen can be used to test the function of the screen. When a location button (the "x" buttons or the "o" button) is touched, its indication on the screen lights.

Touch  to return to the "Diagnostics" menu.

### ***Mic Test***

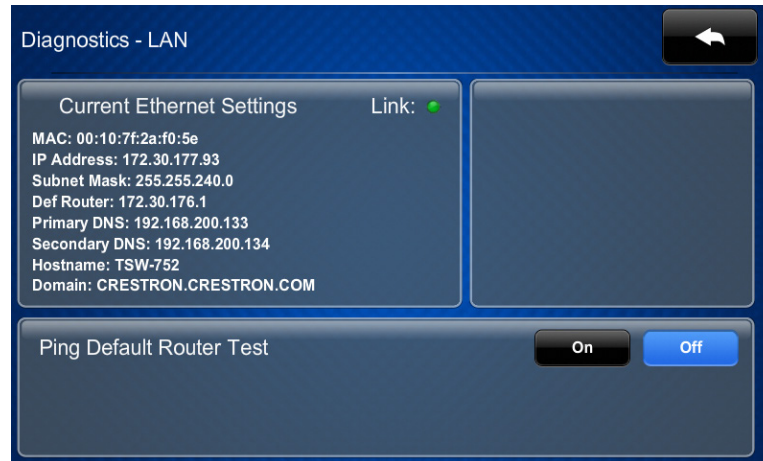
On the "Diagnostics" menu, touch **Mic Test** to begin a microphone test. The touch screen records audio for five seconds and then plays back the recorded sound.

The built-in microphone is used to record audio and play it back to confirm the microphone is functioning. When playback is finished, the display returns to the "Diagnostics" menu.


## LAN Test

On the “Diagnostics” menu, touch **LAN Test** to display the “Diagnostics – LAN” screen.

### “Diagnostics – LAN” Screen



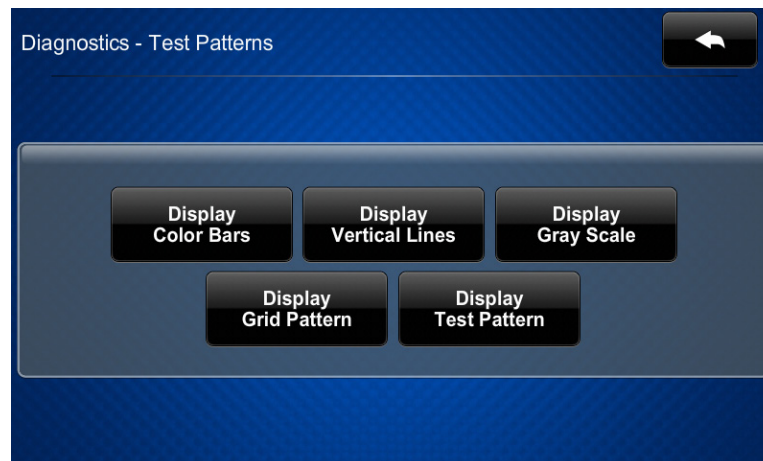
The “Diagnostics – LAN” screen displays the touch screen’s *Mac* and *IP Address*, *Subnet Mask*, *Def Router*, *Primary DNS*, *Secondary DNS*, *Hostname*, and *Domain*. This screen also contains a *Link* indicator to show the status of the Ethernet connection and controls to test the connection to the default router.

Touch  to return to the “Diagnostics” menu.

## Test Patterns


On the “Diagnostics” menu, touch **Test Patterns** to display the “Diagnostics - Test Patterns” screen.

### “Diagnostics - Test Patterns” Screen



The “Diagnostics - Test Patterns” screen contains buttons for selecting the different available test patterns: **Display Color Bars**, **Display Vertical Lines**, **Display Gray Scale**, **Display Grid Pattern**, and **Display Test Pattern**.



Touch  to return to the “Diagnostics” menu.

### Rava Test

On the “Diagnostics” menu, touch **Rava Test** to display the “Diagnostics – Rava” menu.

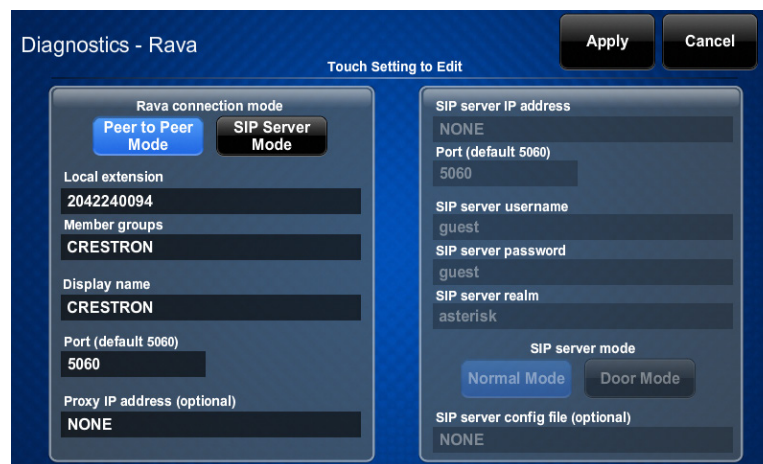
#### “Diagnostics - Rava” Menu



The “Diagnostics - Rava” menu provides controls for testing the use of Crestron’s Rava<sup>®</sup> SIP Intercom with the touch screen. They can be used to test projects and settings. 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.

The **Rava Setup** button opens a second “Diagnostics – Rava” screen for Rava Setup.


#### “Diagnostics - Rava” (Rava Setup) Screen



This screen provides controls to switch between **Peer to Peer Mode** and **SIP Server Mode**, and when in 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 have been entered, touch **Apply** to store them or **Cancel** to ignore any changes. Touching either one returns the display to the “Diagnostics – Rava” menu.

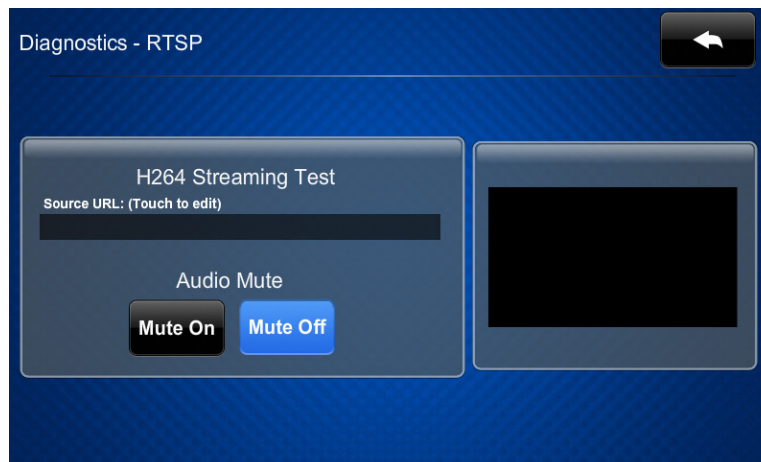


Touch  to return to the “Diagnostics” menu.


### **RTSP Test**


On the “Diagnostics” menu, touch **RTSP Test** to display the “Diagnostics – RTSP” screen.

#### *“Diagnostics - RTSP” Screen*



The “Diagnostics – RTSP” screen tests whether Real Time Streaming Protocol is functioning on the touch screen. Touch the area below *Source URL: (Touch to edit)* to open the on-screen keyboard. Enter the URL for an H.264 video and touch **Save**. The video is displayed on the right side of the “Diagnostics – RTSP” screen.

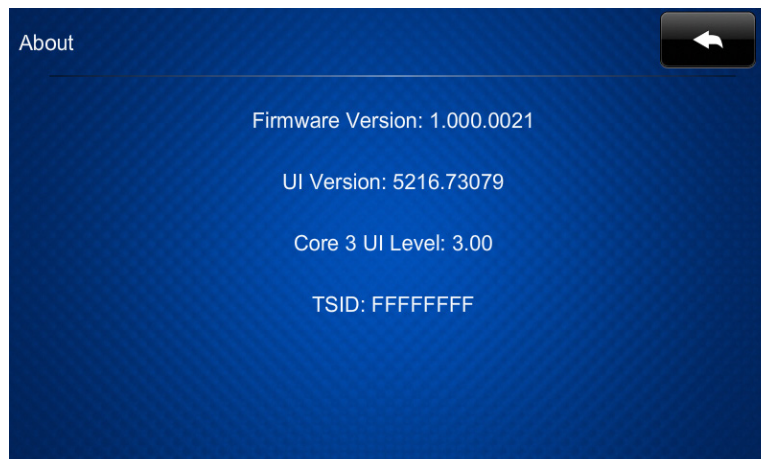
Touch  to return to the “Diagnostics” menu.

Touch  again to return to the “TSW-x52 Setup” menu.


### **About**

On the “TSW-x52 Setup” menu, touch **About** to display the “About” screen.

#### *“About” Screen*



The “About” screen displays information about the touch screen, including the currently loaded firmware and operating system versions.

Touch  to return to the “TSW-x52 Setup” menu.

### **Save & Exit**

On the “TSW-x52 Setup” menu, touch **Save & Exit** to save all settings, exit the setup screens and return to the main project.

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Configuration Guide – DOC. 7578B  
(2040588)

08.14

Specifications subject to  
change without notice.