



# **FT-TSC600**

## FlipTop™ Touch Screen Control System

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](http://www.crestron.com/legal/software_license_agreement).

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

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

Crestron, the Crestron logo, 3-Series, Cresnet, Crestron Toolbox, FlipTop, and Rava are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Internet Explorer is either a trademark or 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.  
©2015 Crestron Electronics, Inc.

# Contents

<b>Access the Setup Screens</b>	<b>1</b>
<b>Configure the FT-TSC600</b>	<b>2</b>
Ethernet Setup .....	2
Edit the Hostname .....	3
Edit the IP Address .....	3
Edit Additional Ethernet Parameters .....	4
Edit the Advanced Settings .....	4
Edit the Ethernet Diagnostics .....	6
Edit the MyCrestron Dynamic DNS Settings .....	7
Audio Setup .....	7
Display Setup .....	8
Application Setup .....	8
Standby Timeout .....	9
Diagnostics .....	9
Keypad Test .....	10
Touch Test .....	10
RAVA .....	11
Test Patterns .....	11
Calibrate .....	11
About .....	12
Save & Edit .....	12



# FT-TSC600: FlipTop Touch Screen Control System

---

## Access the Setup Screens

The FT-TSC600 **Setup** screen is the starting point for configuring the TF-TSC600 FlipTop™ Touch Screen Control System from Crestron®.

---

**NOTE:** If no project has been loaded or if an invalid project has been loaded, the screen displays the following message: “There is no display project to start. [Touch Screen to Enter Setup...].”

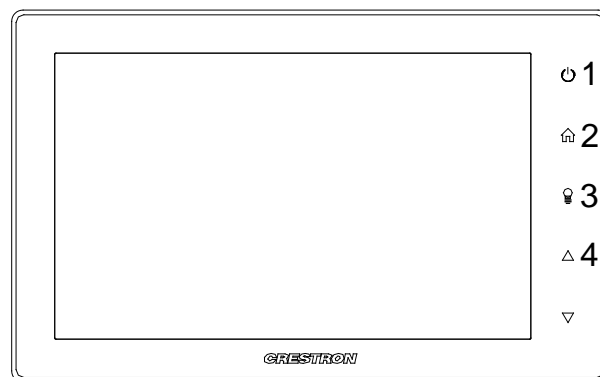
---

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

During regular operation of the touch screen, there are two ways to access the setup screens:

1. Place a button on the project main page and assign the reserved join number (17242) that accesses the setup screens.
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 5 second period.

### *Button Numbering*



The FT-TSC600 Setup screen is displayed.

#### *FT-TSC600 Setup Screen*



The FT-TSC600 Setup screen is comprised of buttons for Ethernet setup, audio setup, display setup, application setup, standby timeout, and diagnostics. In addition, there is an **About** button that provides information about the touch screen and a **Save & Exit** button. The functions of each are detailed in the following pages of this guide.

---

## Configure the FT-TSC600

### Ethernet Setup

On the FT-TSC600 Setup screen, tap **Ethernet Setup** to display the **Ethernet Setup** screen.

#### *Ethernet Setup Screen*



The **Ethernet Setup** screen displays current settings, such as whether DHCP is on or off, the touch screen's hostname, and its IP address. This screen also contains a link indicator to show the status of the Ethernet connection. Controls on this screen are explained in the sections that follow.

### *Edit the Hostname*

To edit the hostname, tap **Edit**. The **Edit Hostname** screen opens.

#### *Edit Hostname Screen*



Use the keyboard to enter the new name. Tap **Clear** to clear a previous entry, **Save** to save a new entry, or **Cancel** to return to the previous screen.

### *Edit the IP Address*

To edit the IP address, tap **Edit**. The **Edit IP Address** screen opens.

#### *Edit IP Address Screen*



Use the keyboard to enter the new IP address. Tap **Clear** to remove a previous entry, **Backspace** to delete the last digit, **Enter** to save a new entry, or **Cancel** to return to the previous screen.

### *Edit Additional Ethernet Parameters*

Tap the ellipsis (...) at the top of the **Ethernet Setup** screen to display additional Ethernet parameters and the controls that allow their entry.

#### *Ethernet Setup Screen (Additional Parameters)*



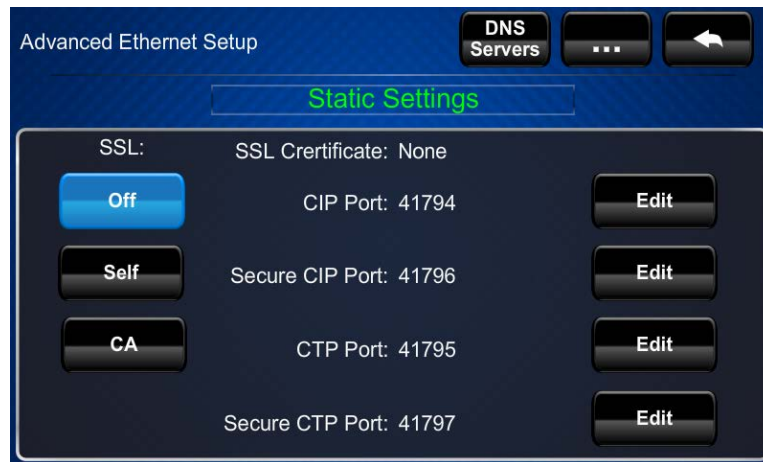
To edit the subnet mask, default router, or domain, tap the corresponding **Edit** button and use the keyboard to enter the new information.

After all new settings have been entered, tap **Reboot** at the bottom of the **Ethernet Setup** screen to reboot the touch screen so the new settings can take effect.

### *Edit the Advanced Settings*

Tap **Advanced Settings** to display the **Advanced Ethernet Setup** screen.

#### *Advanced Ethernet Setup Screen*



The **Advanced Ethernet Setup** screen provides controls for enabling or disabling SSL (Secure Sockets Layer) and for editing the CIP port, secure CIP port, CTP port, and secure CTP port.



The SSL controls work as follows:

- **Off** disables the SSL capabilities of the FT-TSC600
- **Self** sets up self-signing certificates
- **CA** uses an authority to assign the SSL certificates

---

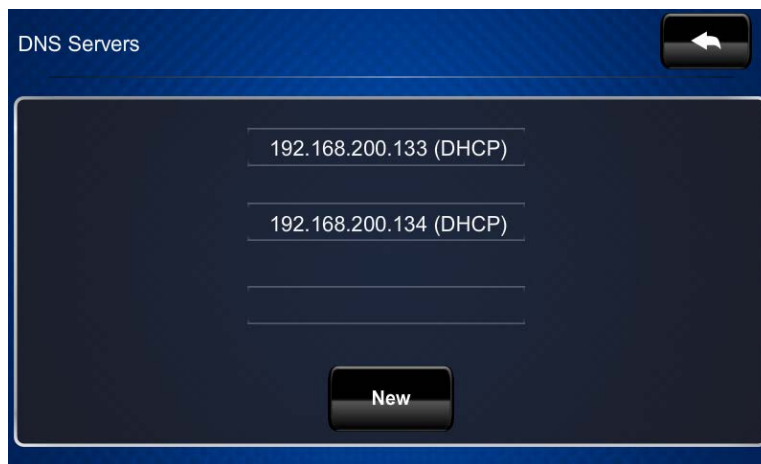
**NOTE:** For more details on SSL settings, refer to the 3-Series® Control Systems Reference Guide (Doc. 7150) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

---

To edit the CIP port, secure CIP port, CTP port, or secure CTP port, tap the corresponding **Edit** button and use the keyboard to enter the new information.

On the **Advanced Ethernet Setup** screen, tap **DNS Servers** to display the **DNS Servers** screen.

#### *DNS Servers Screen*



The **DNS Servers** screen provides controls for adding or deleting the IP addresses of DNS (Domain Name System) registered computers on the network. To add a server's IP address, tap **New** to open an on-screen keyboard.

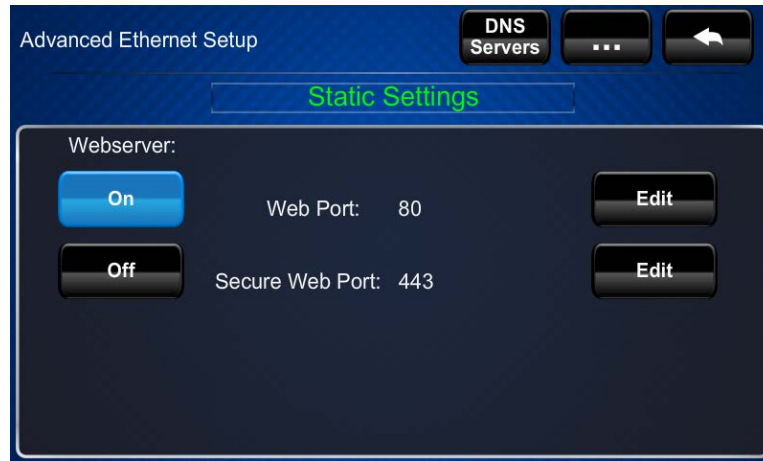
Use the keyboard to enter the IP address of the new DNS server. Tap **Clear** to remove a previous entry, **Backspace** to delete the last digit, **Enter** to save a new entry, or **Cancel** to return to the previous screen.

On the **Advanced Ethernet Setup** screen, tap the ellipsis (...) at the top to display the **On** and **Off** controls, which enable or disable the web server, and controls to edit the web port and secure web port.

The default web server setting is **On**. Tapping **Off** disables access to setup from a web browser.

To edit the web port or secure web port, tap the corresponding **Edit** button and use the keyboard to enter the new information.

### *Advanced Ethernet Setup Screen (Web Server)*



### *Edit the Ethernet Diagnostics*

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

### *Ethernet Diagnostics Screen*



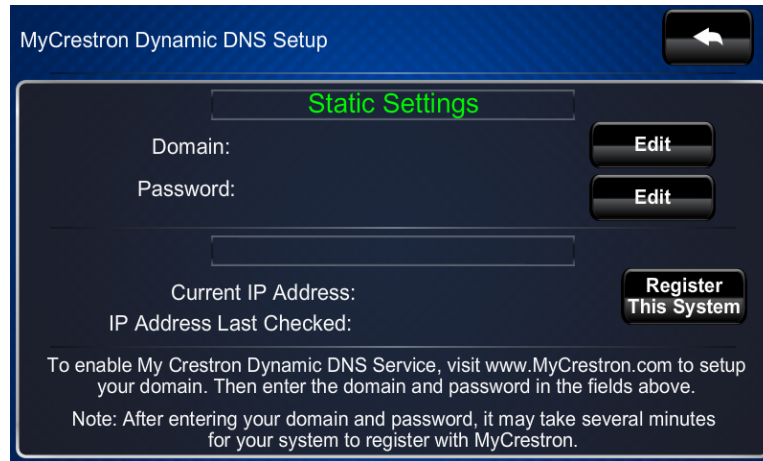
The **Ethernet Diagnostics** screen provides controls for verifying connections. Tap **Ping Default Router** to verify connection to the router. (The screen displays a “Passed” message to show successful connection.) Tap **Ping Crestron.com** to verify connection to an external DNS server.

Tap **Who** to display a list of devices connected to the PC via the Ethernet connection. These devices may be Crestron Ethernet devices, third-party Ethernet devices, or PCs (including any PC using Crestron Toolbox™ to connect to the processor via Ethernet).

## Edit the MyCrestron Dynamic DNS Settings

On the **Ethernet Setup** screen, tap **MyCrestron Dynamic DNS** to display the **MyCrestron Dynamic DNS Setup** screen.

### MyCrestron Dynamic DNS Setup Screen



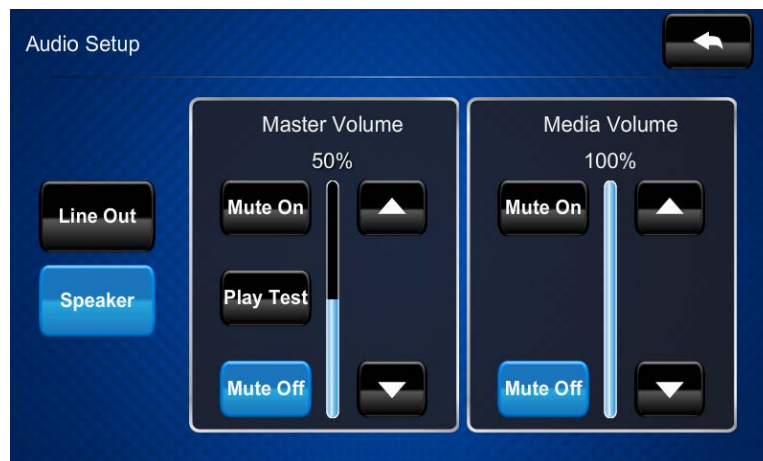
To use MyCrestron Dynamic DNS, use a PC with Internet Explorer® to navigate to [www.mycrestron.com](http://www.mycrestron.com) and register a system with Crestron.

With the information provided from the MyCrestron home page, complete the information on the **MyCrestron Dynamic DNS Setup** screen. To enter the domain and password, tap **Edit**. Then, tap **Register This System**.

## Audio Setup

On the **FT-TSC600 Setup** screen, tap **Audio Setup** to display the **Audio Setup** screen.

### Audio Setup Screen

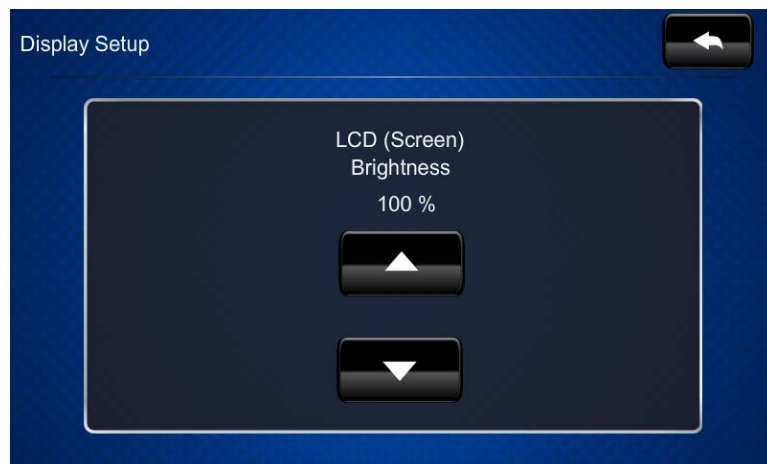


The **Audio Setup** screen provides controls for muting or unmuting the audio, adjusting levels for both the master volume and the media volume, and playing a test .wav file. The **Media Volume** controls adjust the H.264 streaming media level in relation to the **Master Volume** controls. Use the **Line Out** and **Speaker** buttons to choose whether audio plays via the line output or through the internal speaker.

## Display Setup

On the FT-TSC600 Setup screen, tap **Display Setup** to enter the **Display Setup** screen.

### *Display Setup Screen*



The **Display Setup** screen provides controls to adjust the screen's LCD brightness.

## Application Setup

On the FT-TSC600 Setup screen, tap **Application Setup** to display the **Application Setup** screen.

### *Application Setup Screen*



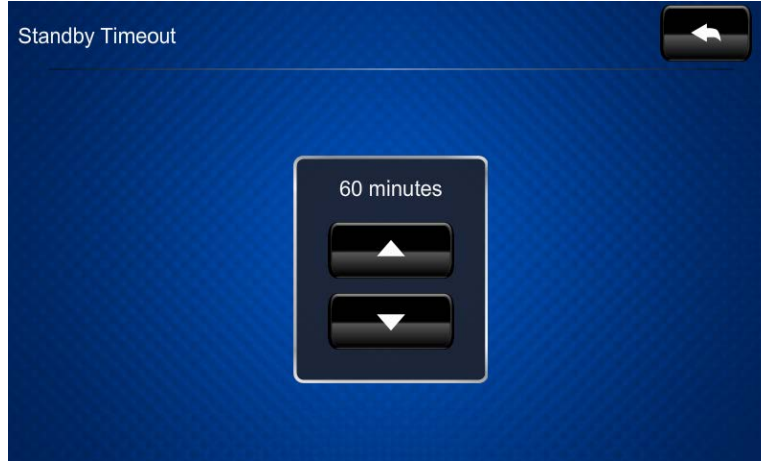
Tap **Register** to enable the user program to load when the touch screen boots. The control text changes to **Unregister**. Tap **Unregister** to prevent the program from loading when the touch screen boots. The control text reverts to **Register**.

Tap **Start** to start the program. The control text changes to **Stop**. Tap **Stop** to stop the program. The control text reverts to **Start**.

## Standby Timeout

On the FT-TSC600 Setup screen, tap **Standby Timeout** to display the **Standby Timeout** screen.

### *Standby Timeout Screen*

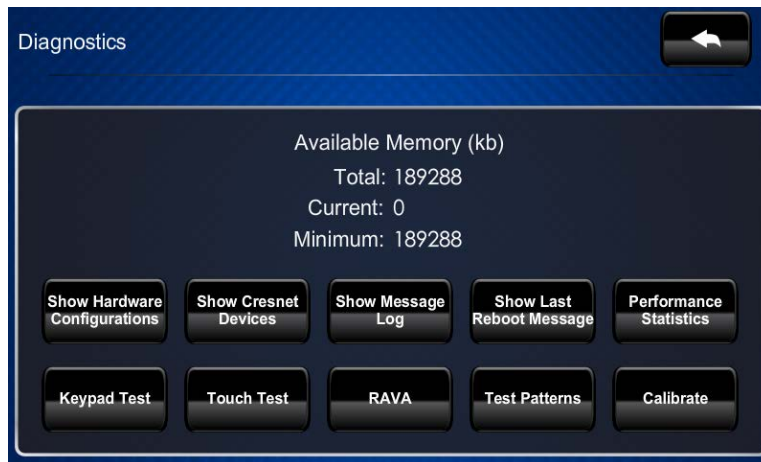


The **Standby Timeout** screen provides controls to adjust standby timeout from 0 to 120 minutes.

## Diagnostics

On the FT-TSC600 Setup screen, tap **Diagnostics** to display the **Diagnostics** screen.

### *Diagnostics Screen*

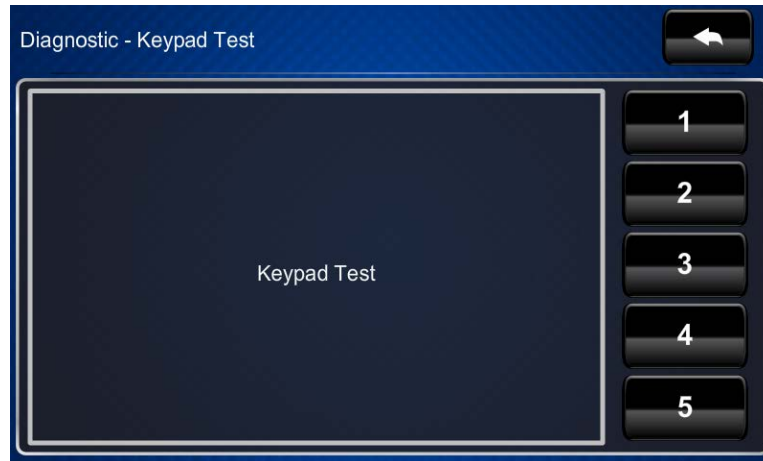


The **Diagnostics** screen displays the available memory and contains controls to show hardware configurations, show Cresnet® devices (to display all devices on the Cresnet network), show the message log, show the last reboot message, and show performance statistics. In addition, there are controls to open various test screens and to initiate touch screen calibration. These are explained in the sections that follow.

## Keypad Test

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

### Diagnostic – Keypad Test Screen

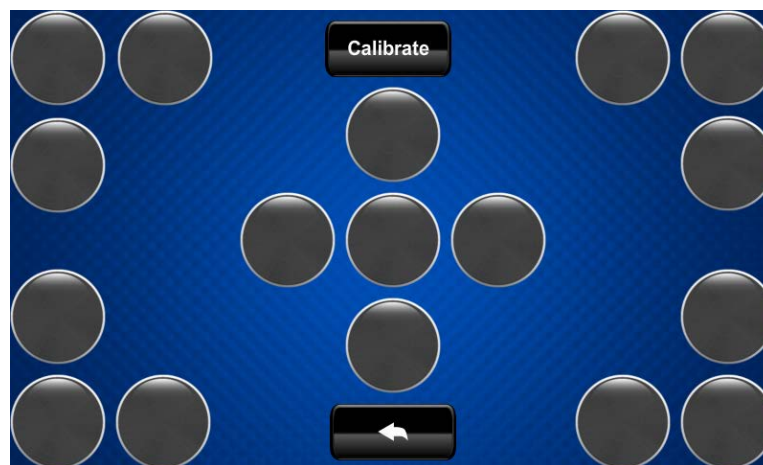


The **Diagnostic – Keypad Test** screen can be used to test the function of the hard keys. When a hard key is pressed, its corresponding indicator on the screen lights.

## Touch Test

On the **Diagnostics** screen, tap **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 is tapped, its indicator on the screen lights. This screen also contains a **Calibrate** button to initiate touch screen calibration.

During touch screen calibration, a crosshair appears at the center of the screen. Tap the center of the crosshair, which then moves to the upper left part of the screen. Tap the center of the crosshair, and it moves to another part of the screen. Continue tapping the center of the crosshair until calibration is complete.

---

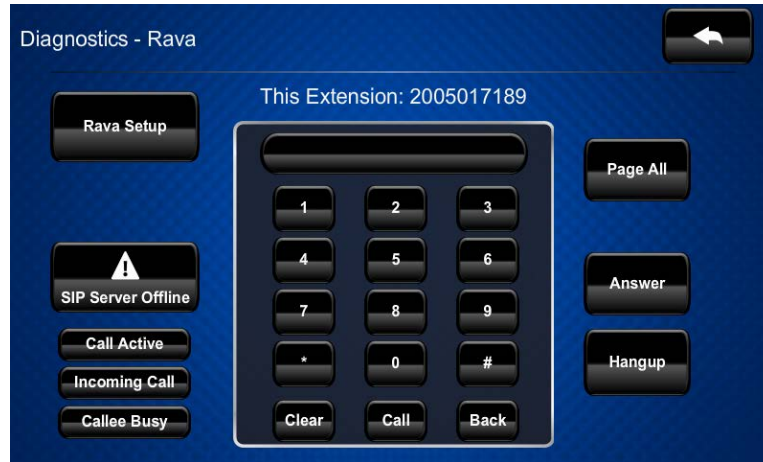
**NOTE:** When tapping the screen during calibration, be as accurate as possible.

---

## *RAVA*

On the **Diagnostics** screen, tap **RAVA** to display the **Diagnostics – RAVA** screen.

### *Diagnostics – RAVA Screen*

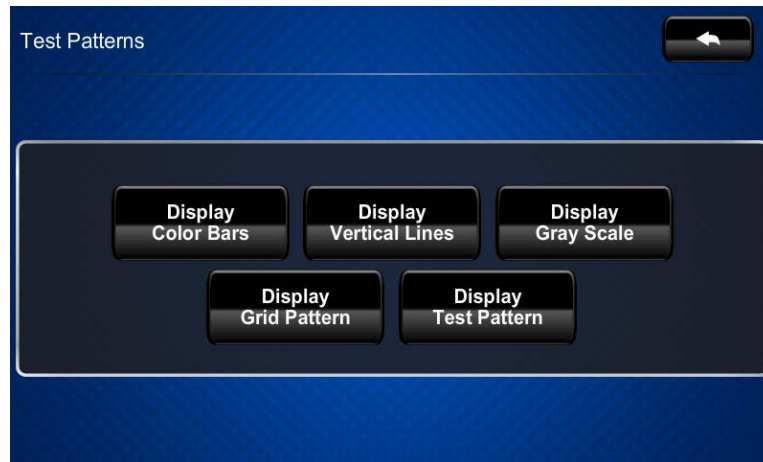


The **Diagnostics - Rava** screen provides controls for testing the use of Crestron’s Rava® SIP Intercom with the FT-TSC600. It can be used to test projects and settings. If the intercom works but the project does not, there is an issue with the project; if the intercom does not work, there is an issue with the settings.

## *Test Patterns*

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

### *Test Patterns Screen*



The **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**.

## *Calibrate*

On the **Diagnostics** screen, tap **Calibrate** to initiate the screen calibration procedure. Refer to “Touch Test” on page 10 for details.

## About

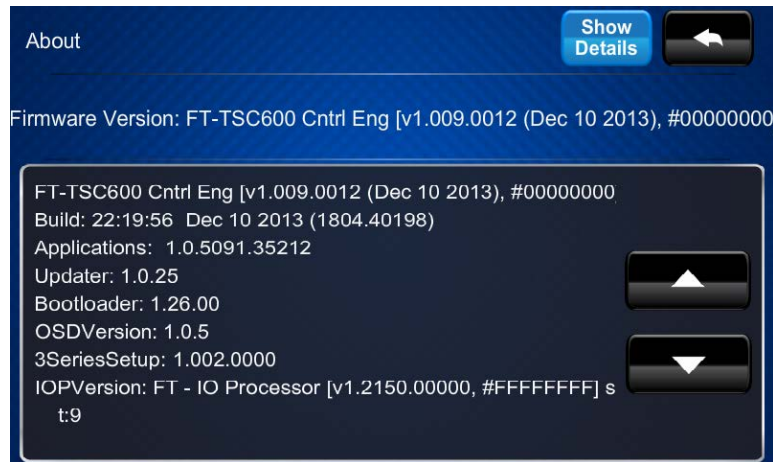
On the **FT-TSC600 Setup** screen, tap **About** to display the **About** screen.

### *About Screen*



The **About** screen displays information about the firmware in the unit. Tap **Show Details** to display more information.

### *About Screen (Details)*



## Save & Edit

On the **FT-TSC600 Setup** screen, tap **Save & Exit** to save all settings, exit the setup screens, and return to the main project.



This page is intentionally left blank.

**Crestron Electronics, Inc.**  
15 Volvo Drive Rockleigh, NJ 07647  
Tel: 888.CRESTRON  
Fax: 201.767.7576  
[www.crestron.com](http://www.crestron.com)



**Supplemental Guide – DOC. 7593C**  
**(2038115)**  
**04.15**  
Specifications subject to  
change without notice.