

# TS-1542/TS-1542-C

## 15.6 in. HD Touch Screens

The Crestron® TS-1542 and TS-1542-C are touch screens with a 15.6 in. HD display and a built-in high-performance digital graphics engine. The TS-1542 and TS-1542-C feature Smart Graphics® technology, dual-window HD streaming video display, annotation, voice recognition, web browsing, and a Rava® SIP intercom. The TS-1542 may be powered via PoE+ (Power over Ethernet) or 24 Vdc, while the TS-1542-C may be powered via PoDM++ (Power over DM® technology) or 24 Vdc.

### Check the Box

Item	Qty
<b>TS-1542 or TS-1542-C</b>	1
Bracket, Mounting (for Interface Module), Black (P/N 2016054)	1
Insert, for TS-1542-IMCW, Black (P/N 4522556)	1
Insert, for TS-1542-IMCW, White (P/N 4522555)	1
Module, Interface, TS-1542-IMCW (P/N 4522550)	1
Power Cord, 5 ft 10 in. (1.78 m) (P/N 2042043)	1
Power Pack, 24 Vdc, 2.5 A, 100-240 Vac, 2-Pin Connector (P/N 4524089)	1
Screw, 6-32 x 3/16 in., Pan Head, Phillips, Black (P/N 2007203)	2
Screw, 6-32 x 1 in., Flat Head, Slot, Black (P/N 2013235)	2
<b>TS-1542-B-S or TS-1542-C-B-S Only</b>	
Bracket, Wall Mount, 4.63 in. x 8.16 in. x 1.53 in., Gray (P/N 4522697)	1
Cover Assembly, Bottom, Gray (P/N 4522696)	1
Cover Assembly, Top, Gray (P/N 4523045)	1
<b>TS-1542-W-S or TS-1542-C-W-S Only</b>	
Bracket, Wall Mount, 4.63 in. x 8.16 in. x 1.53 in., White (P/N 4523502)	1
Cover Assembly, Bottom, White (P/N 4523501)	1
Cover Assembly, Top, White (P/N 4523500)	1
<b>TS-1542-B-S, TS-1542-C-B-S, TS-1542-W-S, or TS-1542-C-W-S Only</b>	
Anchor, Wall, Plastic, #6 x 1-1/4 in. (P/N 2043585)	2
Bit, Torx®, T8, Security (P/N 2025915)	1
Bracket, Wall Mount, 2.70 in. x 0.31 in. x 0.52 in. (P/N 2043962)	1
Screw, 4-40 x 1/4 in., Flat Head, Torx, Black (P/N 2025311)	2
Screw, 6-32 x 3/8 in., Pan Head, Phillips (P/N 2007231)	2
Screw, 6-32 x 1 in., Pan Head, Phillips (P/N 2007251)	2
Screw, M4 x 8 mm, Pan Head, Phillips (P/N 2041962)	4
Washer, Lock, M4, 7.6 mm OD, 4.1 mm ID, 0.9 mm TH (P/N 2041964)	4
<b>TS-1542-B-S, TS-1542-C-B-S, TS-1542-TILT-B-S, or TS-1542-TILT-C-B-S Only</b>	
Cable, Ethernet, CAT5e, 3 ft (0.91 m), Shielded, Black (P/N 2046082)	1
Cable, Ethernet, CAT5e, 6 ft (1.83 m), Shielded, Black (P/N 2045440)	1
<b>TS-1542-W-S, TS-1542-C-W-S, TS-1542-TILT-W-S, or TS-1542-TILT-C-W-S Only</b>	
Cable, Ethernet, CAT5e, 3 ft (0.91 m), Shielded, White (P/N 2046083)	1
Cable, Ethernet, CAT5e, 6 ft (1.83 m), Shielded, White (P/N 2045441)	1

### Install the Touch Screen

The touch screen installs over a standard 1-gang (horizontally mounted) or 2-gang U.S. electrical box, a 1-gang or 2-gang European electrical box, or a 1-gang or 2-gang U.K. electrical box using the included wall mount bracket. The touch screen also may be installed using a VESA mount (not included).

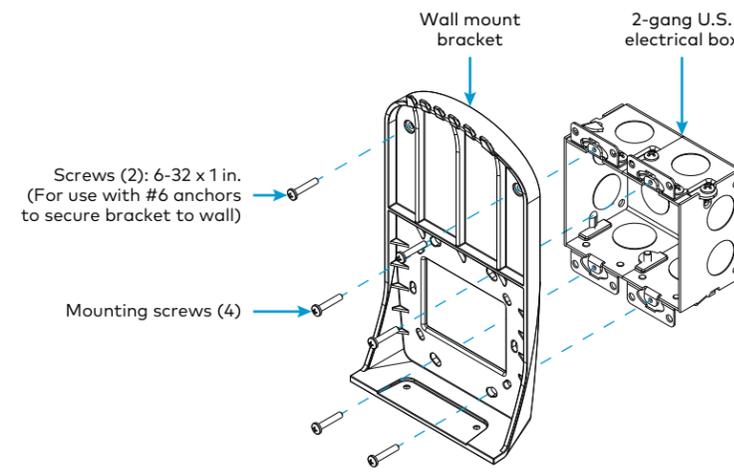
The TS-1542-TILT and TS-1542-TILT-C models are designed to be placed on a flat surface such as a tabletop.

#### Mount into an Electrical Box

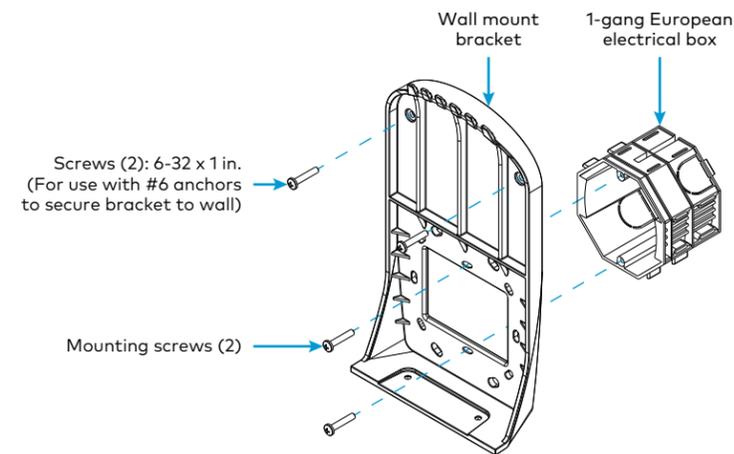
To mount the touch screen into an electrical box:

1. Hold the wall mount bracket in position over the electrical box, and mark the location of the bracket's two top holes on the drywall above the electrical box.
2. Drill a small hole into both of the marked locations on the drywall, and then carefully tap the two included #6 anchors into the drywall with a hammer.
3. Attach the wall mount bracket to the electrical box using the appropriate mounting screws (not included). Use the two included 6-32 x 1 in. screws to secure the wall mount bracket to the drywall above the electrical box with the #6 anchors.

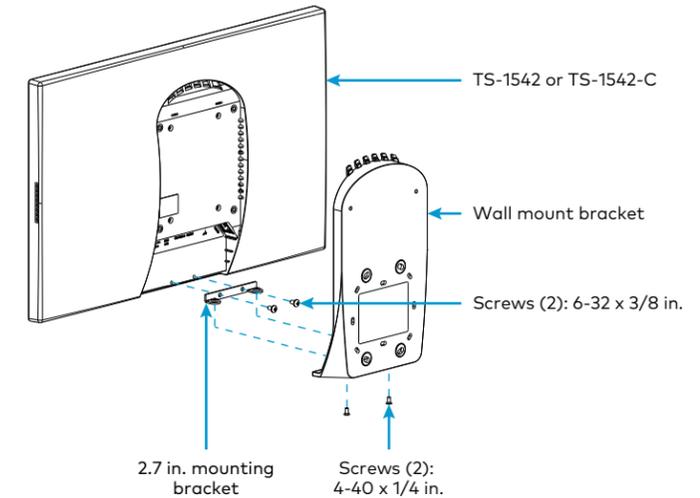
##### Mounting onto a 2-Gang U.S. Electrical Box



##### Mounting onto a 1-Gang European Electrical Box



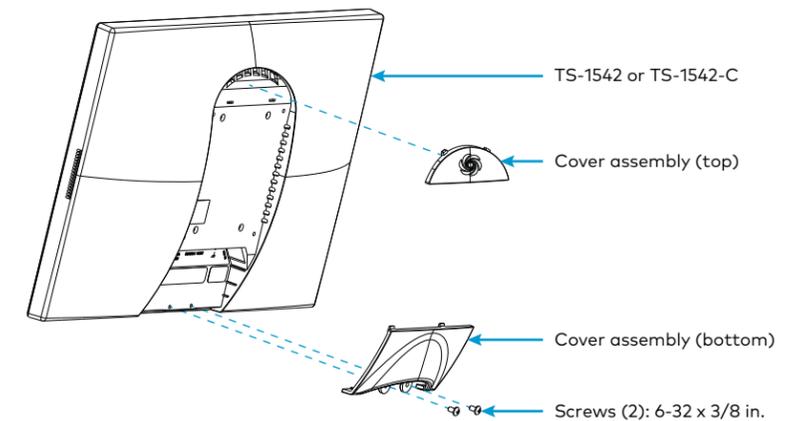
4. Attach the 2.7 in. mounting bracket to the rear of the touch screen using the two included 6-32 x 3/8 in. screws. Refer to the illustration following step 5.
5. Place the touch screen down and onto the wall mount bracket so that the teeth on the top of the bracket engage the paired slots in the rear of the touch screen.
6. Secure the touch screen to the wall mount bracket using the two included 4-40 x 1/4 in. Torx® security screws



#### VESA Mounting

To install the touch screen using a VESA mount:

1. Snap the included cover assembly top gently into place on the rear of the touch screen.
2. Attach the cover assembly bottom to the touch screen using the two included 6-32 x 3/8 in. screws.

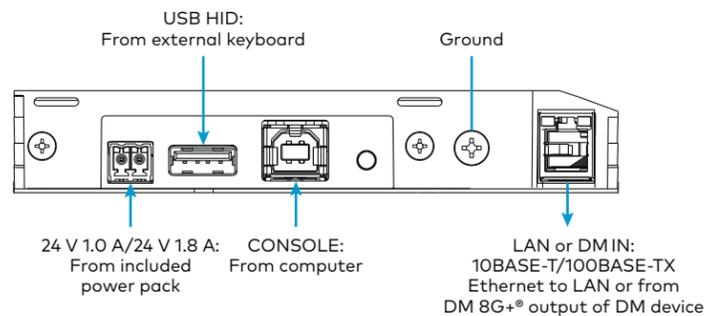


3. Attach the touch screen to the VESA mount using the four included M4 x 8 mm screws. If the holes on the VESA mount are too large to secure the screws, use the four included M4 washers to secure the screws properly.



## Connect the Touch Screen

Route all necessary cables through the rear of the electrical box or the VESA mount, and then make connections to the rear of the touch screen as shown in the illustration below.



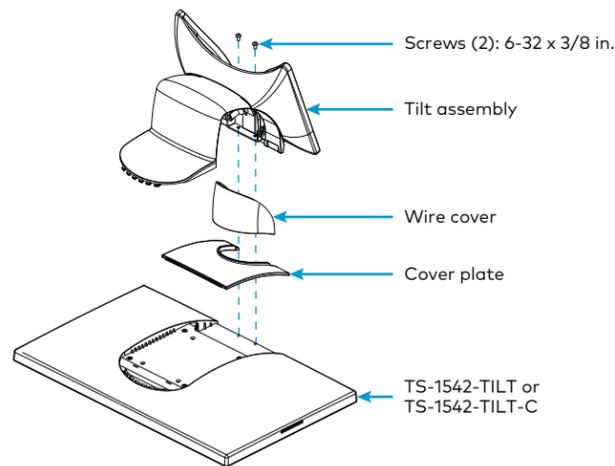
Observe the following when connecting the touch screen:

- Use Crestron power supplies for Crestron equipment.
- Data is provided to the TS-1542 via an Ethernet connection to the LAN port. Power may be provided to the TS-1542 using either a PoE+ connection to the LAN port (as supplied by a CEN-SWPOE-16 PoE switch, not included) or the included 24 Vdc power pack.
- Data is provided to the TS-1542-C via a DM 8G+® network connection to the DM port. Power may be provided to the TS-1542-C using either a PoDM++ connection to the DM port (as supplied by a DM-PSU-ULTRA-MIDSPAN PoDM++ injector, not included) or the included 24 Vdc power pack.
- The included TS-1542-IMCW interface module, which provides an RJ-45 jack, may be installed nearby the touch screen for an Ethernet or DM 8G+ connection. For more information, refer to the TS-1542-IMCW Installation Guide (Doc. 7823) at [www.crestron.com/manuals](http://www.crestron.com/manuals).
- Apply power after all connections have been made.

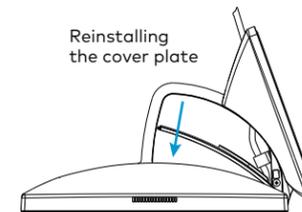
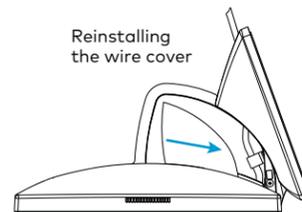
## Access the Tilt Model Ports

To access the ports on the TS-1542-TILT or TS-1542-TILT-C models:

1. Place the touch screen face down on a clean, soft surface. Use care to avoid scratching the touch screen front surface.
2. Remove the two screws that hold the tilt assembly in place, then detach the tilt assembly from the touch screen.



3. Slide the cover plate off of the touch screen, and slide the wire cover off of the cover plate.
4. Loosen the clamp on the tilt assembly neck.
5. Route the required cables through the clamp and slot in the tilt assembly neck from the bottom of the assembly.
6. Make all cable connections to the rear of the touch screen. Retighten the clamp on the tilt assembly neck to provide strain relief.
7. Reinstall the wire cover by sliding it over the ring on the cover plate and snapping it into place.
8. Reinstall the cover plate by sliding it into place at an angle and pressing it toward the touch screen until it locks in place.
9. Reattach the tilt assembly to the touch screen using the two screws removed in step 1.



## Adjust the Tilt (Tilt Models Only)

To adjust the screen angle of the TS-1542-TILT or TS-1542-TILT-C models:

1. Grip the touch screen by the bottom corners.
2. Push or pull the touch screen firmly. The touch screen glides in its base in the direction that force is applied.

**NOTE:** The minimum tilt angle is 23° from vertical. The maximum tilt angle is 45° from vertical.

## Configure the Device

When power is applied for the first time, a splash screen is displayed. Tap this screen to enter the setup screens for device configuration.

**NOTE:** The touch screen may take up to two minutes (120 seconds) to boot.

Device settings for the touch screen may be configured using the built-in setup screens or using the included web configuration interface. For more information on configuring the touch screen, refer to the TS-1542/TS-1542-C Supplemental Guide (Doc. 7824) at [www.crestron.com/manuals](http://www.crestron.com/manuals).

## Access the Setup Screens

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

## Access the Web Configuration Interface

To access the web configuration interface, ensure that the touch screen is connected to the network, and use the Device Discovery tool in Crestron Toolbox™ software to discover the touch screen and its IP address on the network. Then, enter the touch screen IP address into a web browser.

The touch screen IP address is also found on the device splash page, which may be viewed after powering on the device for the first time.

## Connect to Crestron XiO Cloud™ Service (Optional)

The Crestron XiO Cloud™ service allows supported Crestron devices across an enterprise to be managed and configured from one central and secure location in the cloud. Supported devices are configured to connect to the service. Use of the service requires a registered Crestron XiO Cloud account.

**NOTE:** The device may be disconnected from the service by navigating to the **Cloud Services** tab in Crestron Toolbox software (**Functions > Device Info > Cloud Services**). For details, refer to the Crestron Toolbox help file.

To connect the device to the Crestron XiO Cloud service:

1. Record the MAC address and serial number that are labeled on the shipping box or rear panel of the device. The MAC address and serial number are required to add the device to the Crestron XiO Cloud environment.
2. Enter the device IP address into a web browser to access the web configuration interface.
3. Navigate to **DEVICE > Device Management > Cloud Settings**.
4. Toggle the **Cloud Configuration Service Connection** switch to **Enabled**.
5. Do either of the following:
  - For existing accounts, access the Crestron XiO Cloud service at <https://portal.crestron.io>.
  - For new accounts, register for a Crestron XiO Cloud account at [www.crestron.com/xio-cloud-registration](http://www.crestron.com/xio-cloud-registration).

## For Additional Information

Scan or click the QR codes for detailed product information.



TS-1542-B-S



TS-1542-C-B-S

## Compliance and Legal

**Regulatory Models:** TS-1542 TS-1542-C

As of the date of manufacture, the product has been tested and found to comply with specifications for CE marking.



This product is Listed to applicable UL® Standards and requirements tested by Underwriters Laboratories Inc.

Ce produit est homologué selon les normes et les exigences UL applicables par Underwriters Laboratories Inc.



This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Industry Canada (IC) Compliance Statement**

CAN ICES-3 (B)/NMB-3(B)

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

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

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

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Specifications subject to change without notice.