

Crestron **TPS-CBL-T3/6/9**
Triamese Cable for TPS/Tilt Panel

Installation Guide



CRESTRON

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Triamese Cable for TPS/Tilt Panel: TPS-CBL-T3/6/9

Description

Functional Description

The TPS-CBL-T3/6/9 Triamese (three shielded cables joined together) cable is an optional feature designed for Crestron's Isys™ TPS-5000 and TPS-6000 tilt touchpanels. The Triamese cable is used for connection to touchpanel NET/VIDEO, RGB video, and AUDIO ports and are available in 3-, 6-, and 9-foot versions.

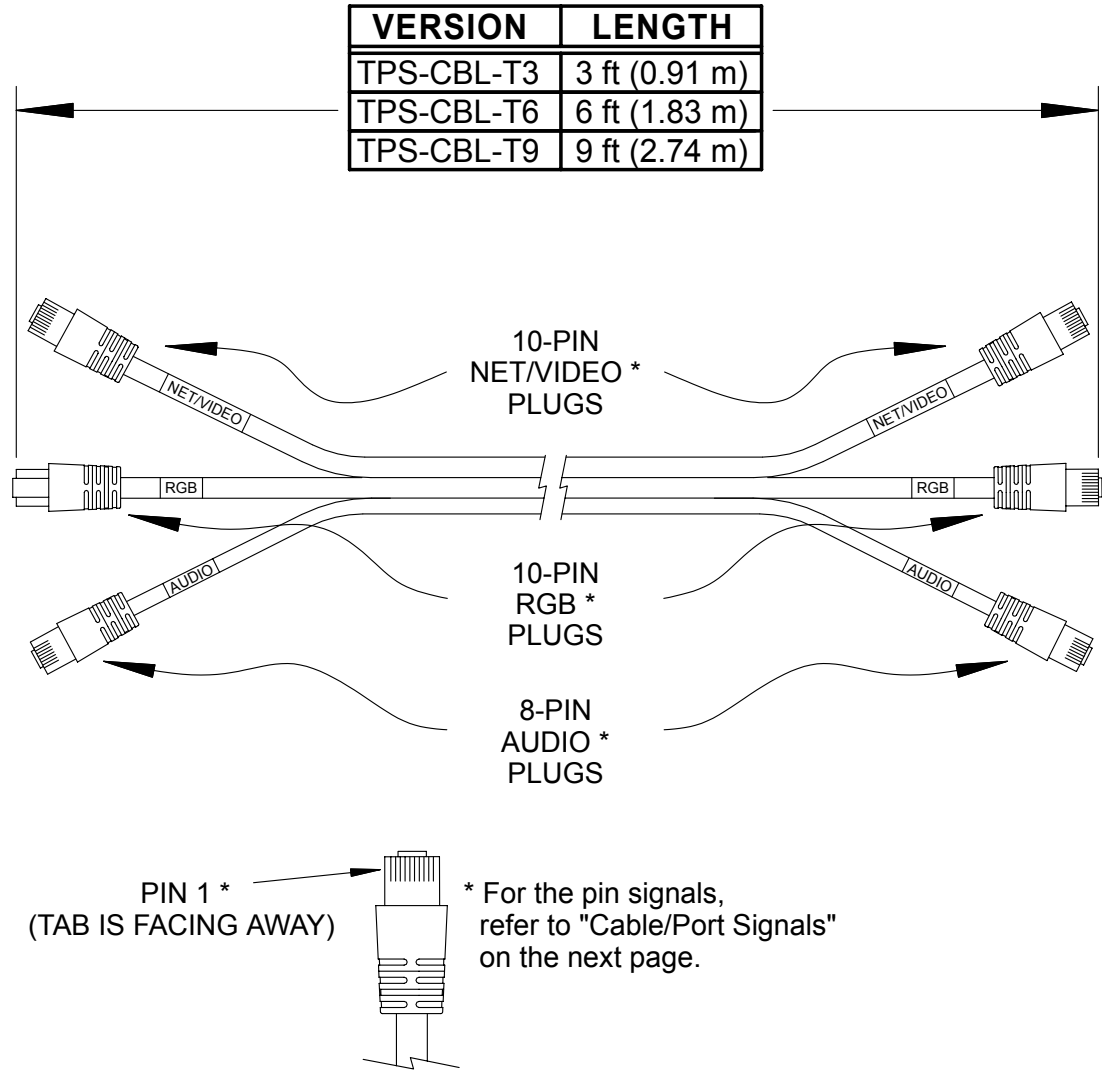
When a TPS touchpanel is equipped with optional TPS-VID Video Card and TPS-XVGA-BV RGB Computer Interface Card with Balanced Video, individual cables (including a cable for the audio input) are required. The Triamese cable minimizes the number of individual cables attached to the touchpanel. Supplied with the TPS-XVGA-BV card is a TPS-IMC-BV Interface Module that serves as an interface between the touchpanel and the video source computer and/or the Crestron remote control system (herein referred to as the Cresnet system). Also supplied with the TPS-XVGA-BV is a 15-foot (4.57 meter) Triamese cable. The TPS-CBL-T3/6/9 cable is available to provide optional lengths.

NOTE: For general information about the TPS-IMC-BV, consult its Operations Guide (Doc. 5921). The latest revision can be obtained from the Products page (PRODUCT MANUALS section, hardware section) or Downloads page (MANUAL Library) of Crestron's website (www.crestron.com). New users are required to register to obtain access to the FTP site.

Physical Description

The TPS-CBL-T3/6/9 Triamese cable contains two 10-pin plugs for NET/VIDEO, two 10-pin plugs for RGB video, and two 8-pin plugs for AUDIO connections. For descriptions of the Triamese cables, refer to the diagram below.

Triamese Cable View



Cable/Port Signals

For the TPS-CBL-T3/6/9 Triamese cable/port signals, refer to the tables below.

NET/VIDEO Plug Pin-Outs

PIN	DESIGNATION	DESCRIPTION
1	+24V	Power (Network)
2	GND	Ground (Network)
3	C+	Chrominance (Positive)
4	C-	Chrominance (Negative)
5	Y	Data (Network)
6	Z	Data (Network)
7	Y+	Luminance (Positive)/Composite
8	Y-	Luminance (Negative)/Composite
9	GND	Ground (Network)
10	+24V	Power (Network)

RGB Plug Pin-Outs

PIN	DESIGNATION	DESCRIPTION
1	V-	Vertical sync (Negative)
2	H-	Horizontal sync (Negative)
3	R-	RED video (Negative)
4	R+	RED video (Positive)
5	G-	GREEN video (Negative)
6	G+	GREEN video (Positive)
7	B-	BLUE video (Negative)
8	B+	BLUE video (Positive)
9	H+	Horizontal (Positive) or Composite sync
10	V+	Vertical sync (Positive)

AUDIO Plug Pin-Outs

PIN	DESIGNATION	DESCRIPTION
1	L+	Left Input (Positive)
2	L-	Left Input (Negative)
3	S	Shield
4	R+	Right Input (Positive)
5	R-	Right Input (Negative)
6	S	Shield
7	M+	Microphone Output (Positive)
8	M-	Microphone Output (Negative)

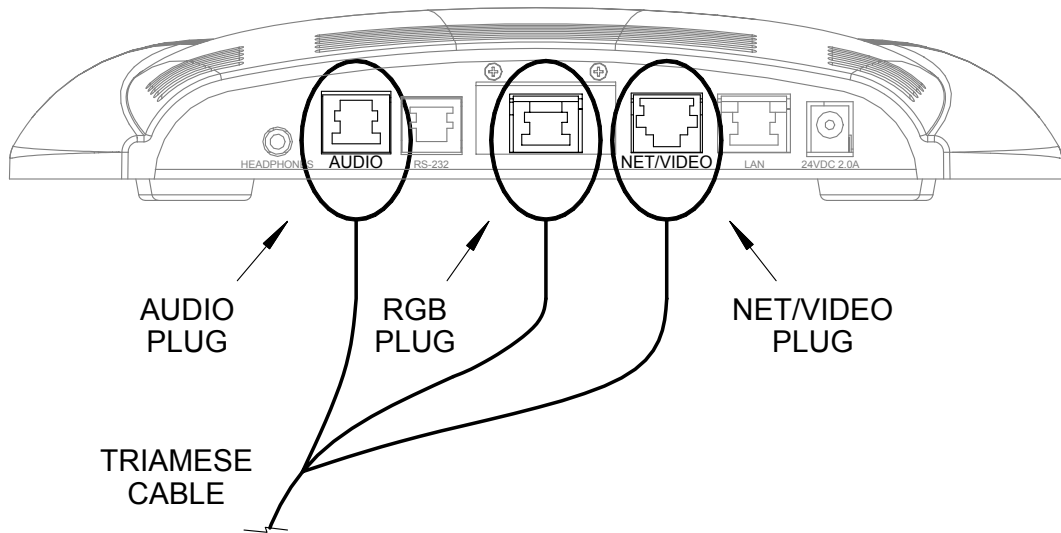
Cable Connections

NOTE: When connecting the video and RGB video from the TPS-XVGA-BV Interface Module to the touchpanel, exceeding cable lengths of 30-feet will significantly degrade the signals. To maintain high-quality images, **DO NOT** daisy-chain cables, Crestron TPS-BLOCK devices or fabricate cables longer than 30-feet. For further information about TPS-BLOCK devices, consult an appropriate installation guide that can be obtained from the Products page (PRODUCT MANUALS section, hardware section) or Downloads page (MANUAL Library) of Crestron's website (www.crestron.com). New users are required to register to obtain access to the FTP site.

NOTE: To display video from the TPS-VID, power **MUST** be connected to the TPS-IMC-BV. An external power pack may be connected to the interface module to supplement Cresnet power or if Cresnet power is not available.

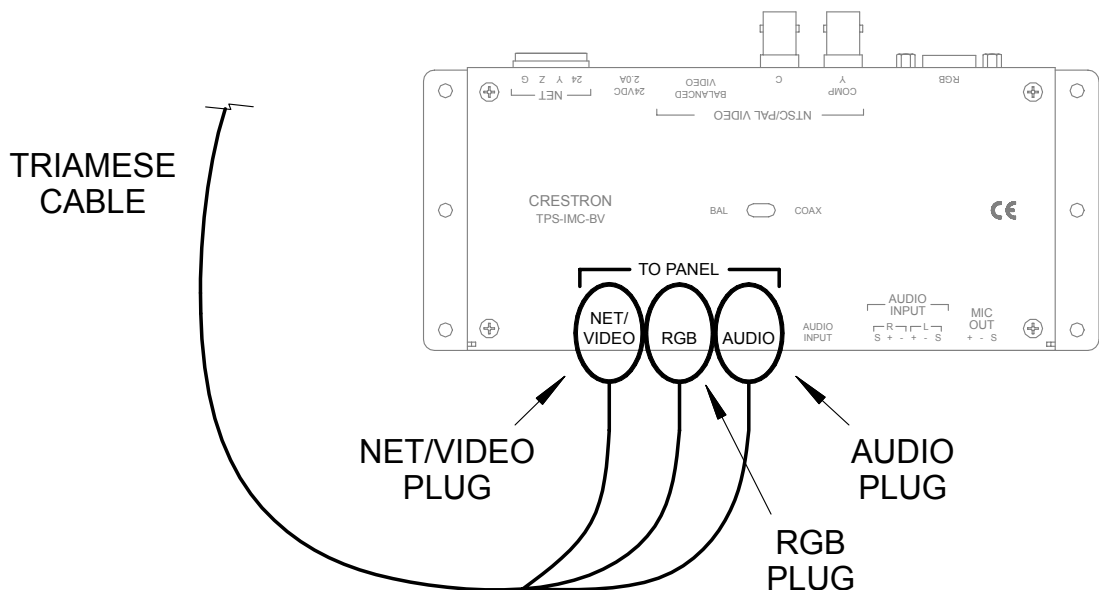
1. Refer to the diagram below. At the rear of the touchpanel base, attach the TPS-CBL-T3/6/9 Triamese cable plug labeled **AUDIO** to the **AUDIO** port, the **RGB** plug to the **RGB** port, and the plug labeled **NET/VIDEO** to the **NET/VIDEO** port.

Attach Triamese Cable Plugs to Touchpanel



2. Refer to the diagram below. At the TPS-IMC-BV ports labeled **TO PANEL**, attach the Triamese cable plug labeled **NET/VIDEO** to the **NET/VIDEO** port, the plug labeled **RGB** to the **RGB** port, and the plug labeled **AUDIO** to the **AUDIO** port.

Attach Triamese Cable Plugs to TPS-IMC-BV



Further Inquiries

If after reviewing this Installation Guide, you cannot locate specific information or have questions, please take advantage of Crestron's award winning customer service team by calling:

- In the US and Canada, call Crestron's corporate headquarters at 1-888-CRESTRON [1-888-273-7876] or 1-201-767-3400.
- In Europe, call Crestron International at +32-15-50-99-50.
- In Asia, call Crestron Asia at +852-2341-2016.
- In Latin America, call Crestron Latin America at +525-260-4336.

For local support from exclusive Crestron factory-trained personnel call:

- In Australia, call Soundcorp at +613-9488-1555.
- In New Zealand, call Amber Technologies at +649-410-8382.

Future Updates

As Crestron improves functions, adds new features, and extends the capabilities of the TPS-CBL-T3/6/9, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

The Downloads page of the Crestron website (www.crestron.com) directs the reader to the location and description of each update. Check the site periodically for update availability and its subjective value. New users are required to register in order to obtain access to the FTP site.

Return and Warranty Policies

Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange, or service without prior authorization from CRESTRON. To obtain warranty service for CRESTRON products, contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number, and return address.
2. Products may be returned for credit, exchange, or service with a CRESTRON Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to CRESTRON, Cresskill, N.J., or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. CRESTRON reserves the right in its sole and absolute discretion to charge a 15% restocking fee, plus shipping costs, on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by CRESTRON, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

CRESTRON Limited Warranty

CRESTRON ELECTRONICS, Inc. warrants its Cresnet products, denoted by a "CN" prefix model number, to be free from manufacturing defects in materials and workmanship for a period of three (3) years from the date of shipment to purchaser. Disk drives and any other moving or rotating mechanical parts are covered for a period of one (1) year. CRESTRON warrants all its other products for a period of one year from the defects mentioned above, excluding touchscreen display components which are covered for 90 days. Incandescent lamps are completely excluded from Crestron's Limited Warranty. CRESTRON shall, at its option, repair or replace any product found defective without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

CRESTRON shall not be liable to honor warranty terms if the product has been used in any application other than that for which it was intended, or if it has been subjected to misuse, accidental damage, modification, or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced, or removed.

This warranty shall be the sole and exclusive remedy to the purchaser. In no event shall CRESTRON be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. CRESTRON makes no other warranties nor authorizes any other party to offer any warranty, expressed or implied, including warranties of merchantability for this product. This warranty statement supersedes all previous warranties.

Trademark Information

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Specifications subject to
change without notice.