Crestron **TPS/TPMC-CBL-T3/6/9**
Triamese Cable for TPS/TPMC Panels
Installation Guide

CRESTRON®

This document was prepared and written by the Technical Documentation department at:

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Triamese Cable for TPS/TPMC Panels: TPS/TPMC-CBL-T3/6/9

Description

Features & Functions

The TPS/TPMC-CBL-T3/6/9 Triamese (three shielded cables joined together) cables are optional cables designed for Crestron's Isys® and Isys i/O® series of touchpanels. For specific models, refer to "Compatible Touchpanels" on page 2. The Triamese cable is used to connect Cresnet®, CAT5 audio, and CAT5 video wiring from a TPMC-CH-IMC to the touchpanel's NET, VIDEO, and AUDIO ports. The cable is available in 3-, 6-, and 9-foot lengths in either black or white.

Supplied with the touchpanel is a TPMC-CH-IMC Interface Module that serves as an interface between the touchpanel, the audio and video sources, and/or the Crestron remote control system (herein referred to as the Cresnet system). Also supplied with the touchpanel is a 15-foot (4.57 meter) Triamese cable for the NET, VIDEO, and AUDIO connections. The TPS/TPMC-CBL-T3/6/9 cable is available to provide optional lengths plus the convenience of three cables joined together.

NOTE: For information about the TPMC-CH-IMC, refer to the latest version of the TPMC-CH-IMC Operations Guide (Doc. 6345) which is available from the Crestron website (www.crestron.com/manuals).

Compatible Touchpanels

The following table lists the touchpanel models that are compatible with the TPS/TPMC-CBL-T3/6/9 Triamese cable.

Compatible Touchpanel Models

TPS-SERIES*	TPMC-SERIES
TPS-12(L)	TPMC-15-CH(-L)
TPS-15(L)	TPMC-17-CH(-L)
TPS-17(L)	
TPS-12B/W	
TPS-15B/W	
TPS-17B/W	

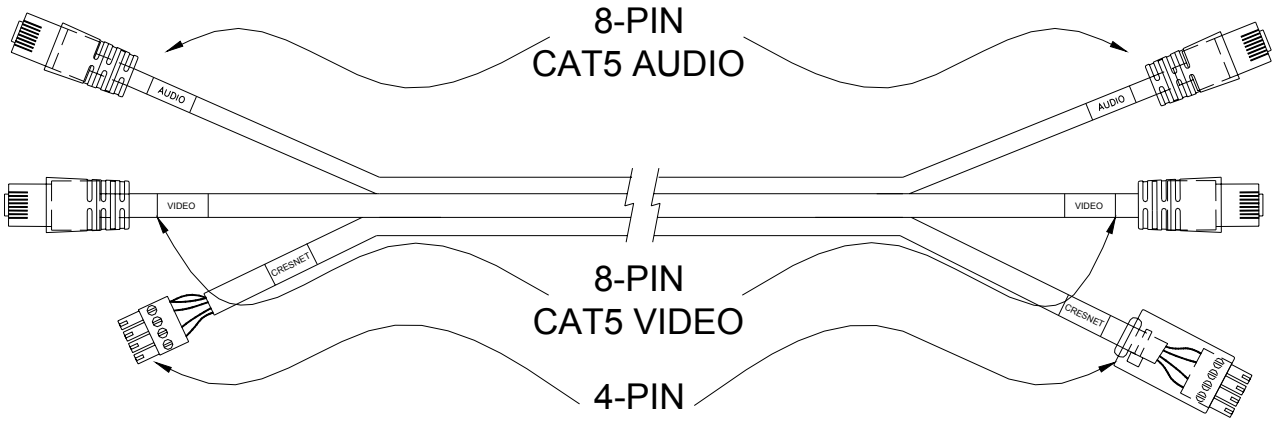
* TPS-Series tilt touchpanels ending with a "B" or "W" designation are expected 1Q 2006. The Triamese cable is available from Crestron in a matching color by adding the appropriate color code to the part number ("B" for black and "W" for white).

Physical Description

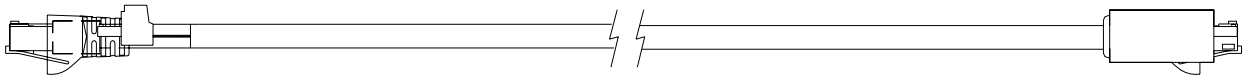
Each end of the Triamese cable contains two 8-pin RJ-45 connectors labeled **VIDEO** and **AUDIO** and one 4-position terminal block connector labeled **NET**. For a description of the Triamese cable, refer to the following diagram.

Triamese Cable View

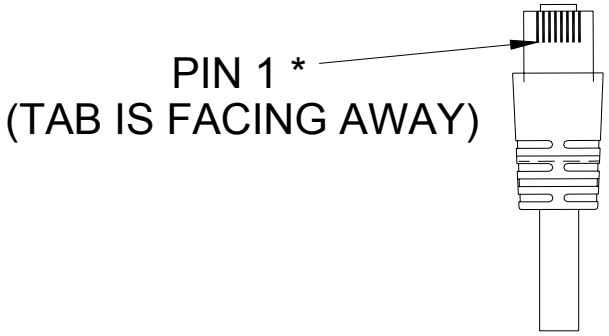
VERSION	LENGTH
TPS/TPMC-CBL-T3	3 ft (0.91 m)
TPS/TPMC-CBL-T6	6 ft (1.83 m)
TPS/TPMC-CBL-T9	9 ft (2.74 m)



TOP VIEW



SIDE VIEW



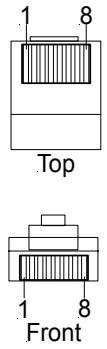
* For the pin signals, refer to "Cable/Port Signals" on the next page.

Cable/Port Signals

The following tables describe the pin assignments of each connector of the Triamese cable.

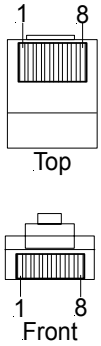
VIDEO Pin Assignments

PIN	COMPOSITE	S-VIDEO	COMPONENT
1	+ Composite	+ Luminance	+ Y
2	- Composite	- Luminance	- Y
3	N/A	+ Chrominance	+ P_B
4	N/A	N/A	+ P_R
5	N/A	N/A	- P_R
6	N/A	- Chrominance	- P_B
7	N/A	N/A	N/A
8	N/A	N/A	N/A



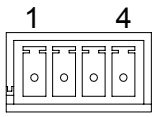
AUDIO Pin Assignments

PIN	AUDIO
1	+ Mic Left Out
2	- Mic Left Out
3	+ Mic Right Out
4	+ Audio Left In
5	- Audio Left In
6	- Mic Right Out
7	+ Audio Right In
8	- Audio Right In



NET Pin Assignments

PIN	NET
1	24 VDC
2	Data-Y
3	Data-Z
4	Ground

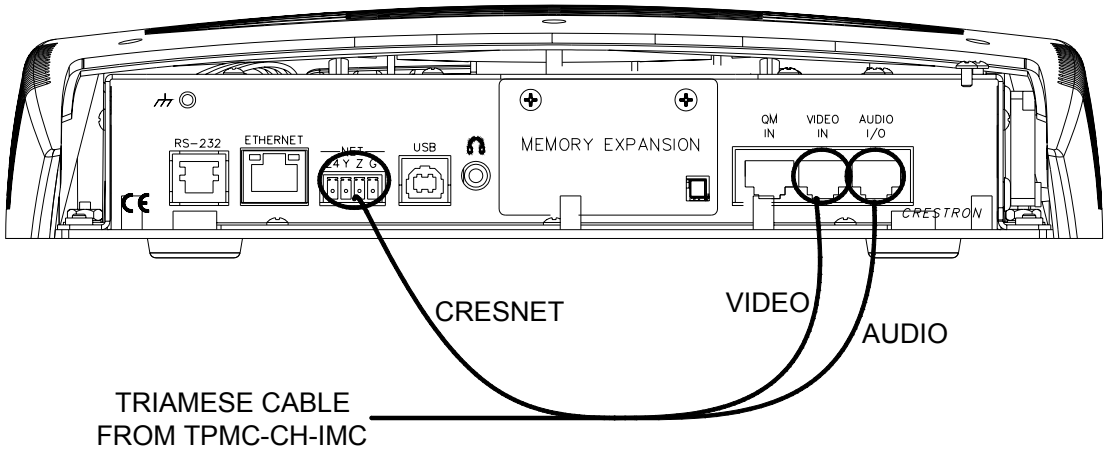


Cable Connections

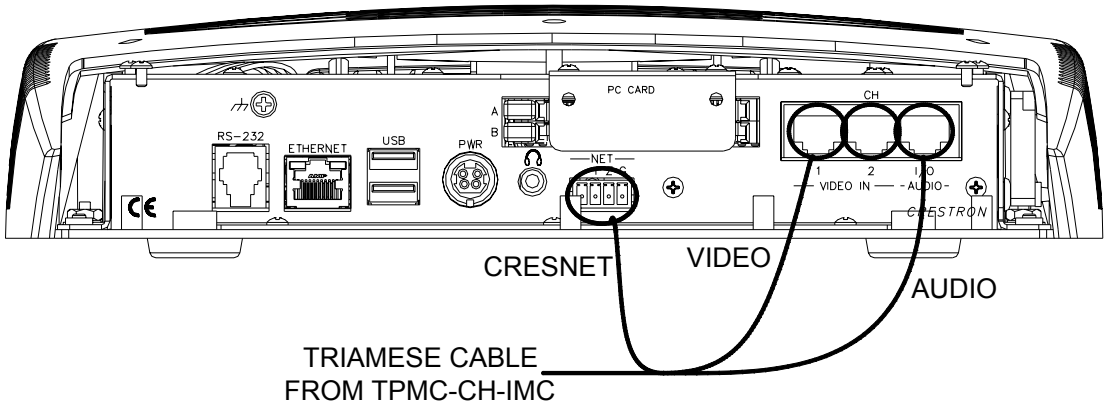
1. As shown in the following diagrams, connect the connector labeled **AUDIO** to the **AUDIO I/O** port of the touchpanel and the connector labeled **CRESNET** to the **NET** port of the touchpanel.

   If attaching to a TPS-Series touchpanel, connect the connector labeled **VIDEO** to the **VIDEO IN** port. If attaching to a TPMC-Series touchpanel, connect the connector labeled **VIDEO** to either the **VIDEO IN 1** port or the **VIDEO IN 2** port.

Connect Triamese Cable Connectors to TPS-Series Touchpanel



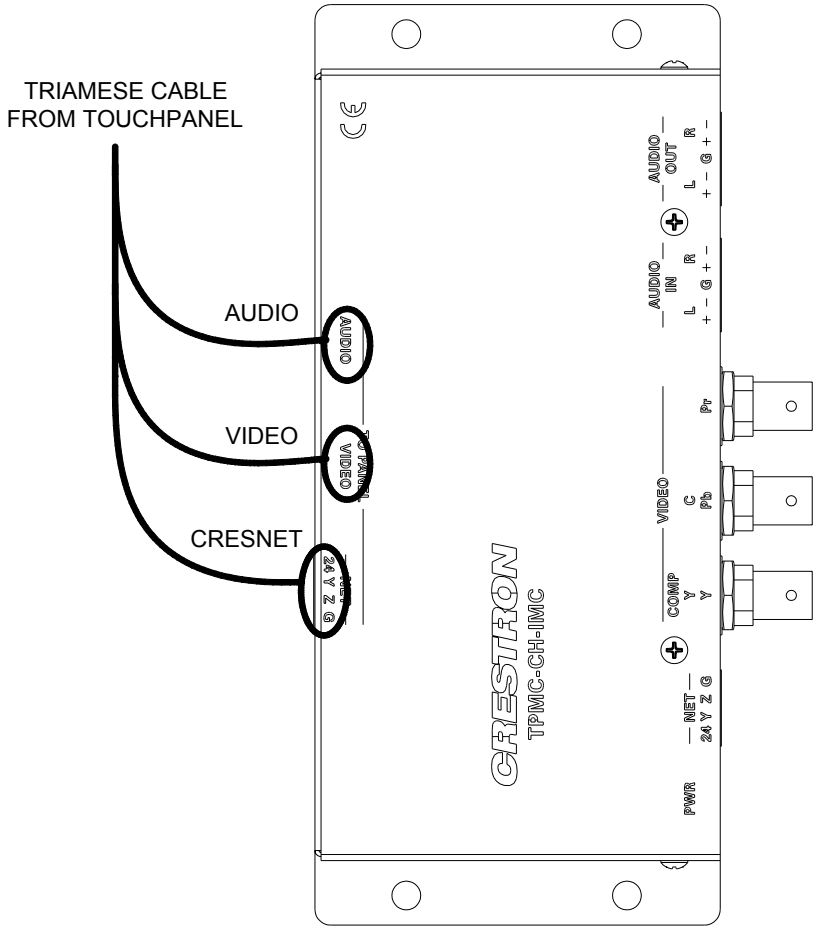
Connect Triamese Cable Connectors to TPMC-Series Touchpanel



NOTE: Since the TPMC touchpanels use an external power supply, the 24 VDC connection is not required when connecting the Triamese cable to the **NET** port of the touchpanel or the TPMC-CH-IMC.

2. As shown in the following diagram, connect the connector labeled **VIDEO** to the **VIDEO (TO PANEL)** port (RED), the connector labeled **AUDIO** to the **AUDIO (TO PANEL)** port (BLUE), and the connector labeled **CRESNET** to the **NET (TO PANEL**) port.

Connect Triamese Cable Connectors to TPMC-CH-IMC



Further Inquiries

If you cannot locate specific information or have questions after reviewing this guide, please take advantage of Crestron's award winning customer service team by calling the Crestron corporate headquarters at 1-888-CRESTRON [1-888-273-7876]. For assistance in your local time zone, refer to the Crestron website (www.crestron.com) for a listing of Crestron worldwide offices.

You can also log onto the online help section of the Crestron website to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

Future Updates

As Crestron improves functions, adds new features, and extends the capabilities of the TPS/TPMC-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.

Check the Crestron website periodically for manual update availability and its relevance. Updates are identified as an “Addendum” in the Download column.

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, 6 Volvo Drive, Rockleigh, 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 products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from CRESTRON, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touchscreen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from CRESTRON or an authorized CRESTRON dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

CRESTRON shall not be liable to honor the terms of this warranty 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 original 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 is not liable for any claim made by a third party or made by the purchaser for a third party.

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.

Except as expressly set forth in this warranty, CRESTRON makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supercedes all previous warranties.

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