Crestron **TPS-6X-DS**
& TPS-6XNL-DS
Docking Stations for the TPS-6X Series
Operations Guide

CRESTRON®

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Regulatory Compliance

As of the date of manufacture, the TPS-6X-DS & TPS-6XNL-DS have been tested and found to comply with specifications for CE marking and standards per EMC and Radiocommunications Compliance Labelling.

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Docking Stations for the TPS-6X Series: TPS-6X-DS & TPS-6XNL-DS

Introduction

The TPS-6X-DS is the desktop docking station that is included as standard with the Isys™ TPS-6X Series Wireless Touchpanels. Placing the touchpanel onto the TPS-6X-DS converts it to a stylish tilt touchpanel, providing wired communications and video capability while charging the touchpanel's internal battery.

The TPS-6X-DS and TPS-6XNL-DS are functionally identical, except the NL model does not have the locking mechanism. For simplicity within this guide, the term "TPS-6X-DS" is used except where noted.

The TPS-6X-DS is available in six different models.

Models

DESCRIPTION	MODEL NUMBER	COLOR
Locking Models	TPS-6X-DS	Gloss Black
	TPS-6X-DS-B-T	Matte Black
	TPS-6X-DS-W-S	Gloss White
No Lock Models	TPS-6XNL-DS	Gloss Black
	TPS-6XNL-DS-B-T	Matte Black
	TPS-6XNL-DS-W-S	Gloss White

Features and Functions

- A stylish desktop dock for the Isys™ TPS-6X Series
- Provides a simple battery charging solution
- Affords full-featured tilt touchpanel operation
- Available with or without locking docking port
- Supports wired Ethernet or Cresnet® communications
- Enables balanced or unbalanced video input
- Features a lightweight cable for easy placement
- Powered by Cresnet or local power pack
- Includes TPS-6X-IMCW Interface Module and power pack
- Available in gloss black or white or matte black finishes

Tilt Docking Port

The tiltable docking port on the TPS-6X-DS allows the touchpanel to be tilted at any angle up to 45 degrees for optimal viewing and operation. The angle can be freely adjusted during use or locked down at a fixed angle. Strong magnets help guide the touchpanel onto the docking port and hold it in place.

Locking Option

The TPS-6X-DS is available with or without additional locking features. Standard models include a finger-operated latch, which can be engaged at any time to secure the touchpanel to the docking station while it is docked. The touchpanel can even be attached to the docking station semi-permanently using a provided locking pin for a full-time tabletop touchpanel solution. These locking features are omitted on the No Lock model docking stations.

Low Profile Base

Its sleek appearance belies a surefooted design offering excellent stability on any flat surface. A swivel mount kit is also available for fixed mount applications that require the ability to rotate the touchpanel during use. A single cable exits the rear of the docking station base, which can be repositioned to exit the bottom for a very clean, cordless appearance when permanently mounted.

Specifications

Specifications for the TPS-6X-DS are listed in the following table.

TPS-6X-DS Specifications

SPECIFICATION	DETAILS
Power Requirements	The TPS-6X-DS Docking Station is a passive device requiring no power; a TPS-6X-IMCW Interface Module and a power pack are included to provide power and other connectivity for the TPS-6X Series touchpanels; refer to the TPS-6X Series and TPS-6X-IMCW specifications for additional power requirements
Environmental	
Temperature	32º to 112ºF (0º to 45ºC)
Humidity	10% to 90% RH (non-condensing)
Enclosure	Injection-molded plastic, 0° to 45° tilt docking port, adjustable friction clutch tilt mechanism, optional lock, low-profile base, integral cable assembly, swivel mount kit available separately
Dimensions	
Height	4.19 in (107 mm) 6.00 in (153 mm) with touchpanel mounted
Width	6.98 in (178 mm)
Depth	7.03 in (179 mm) 6.47 in (165 mm) without grommet
Weight	1.3 lbs (0.6 kg)

(Continued on following page)

TPS-6X-DS Specifications (Continued)

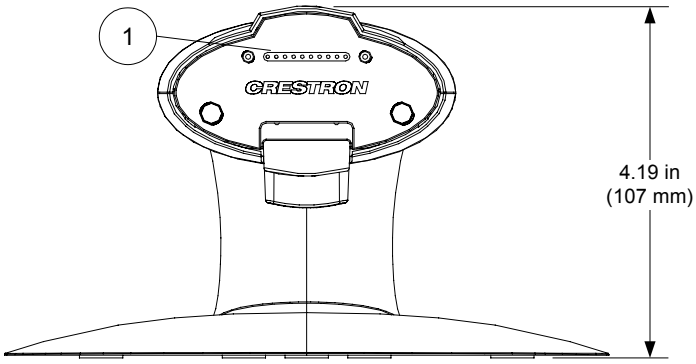
SPECIFICATION	DETAILS
Available Models	
TPS-6X-DS	Desktop Docking Station for TPS-6X Series, Gloss Black
TPS-6X-DS-B-T	Desktop Docking Station for TPS-6X Series, Matte Black
TPS-6X-DS-W-S	Desktop Docking Station for TPS-6X Series, Gloss White
TPS-6XNL-DS	Desktop Docking Station for TPS-6X Series, No Lock, Gloss Black
TPS-6XNL-DS-B-T	Desktop Docking Station for TPS-6X Series, No Lock, Matte Black
TPS-6XNL-DS-W-S	Desktop Docking Station for TPS-6X Series, No Lock, Gloss White
Included Accessories	
Power Pack	24 Volt Power Pack, Universal
TPS-6X-IMCW	Interface Module
Available Accessories	
SMK-6X	Swivel Mount Kit

Physical Description

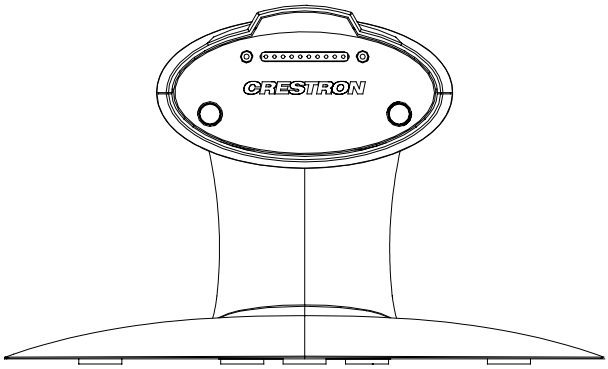
This section provides information on the connections, controls and indicators available on your TPS-6X-DS.

TPS-6X-DS Physical View (Locking Model Shown)

TPS-6X-DS Overall Dimensions (Front View)

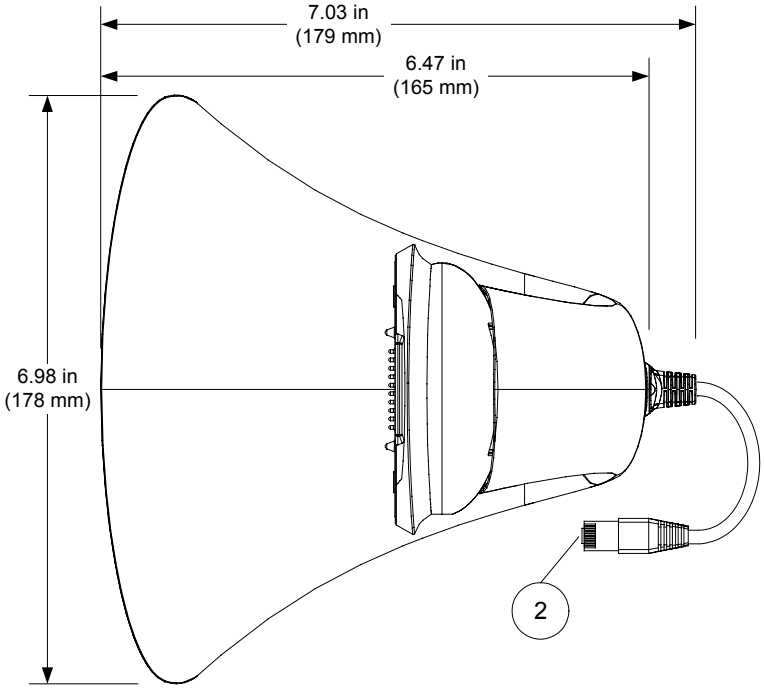


TPS-6XNL-DS Overall Dimensions (Front View)



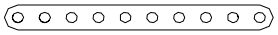
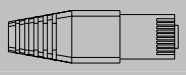
NOTE: Dimensions of the locking and No Lock models are the same.

TPS-6X-DS Overall Dimensions (Top View)



NOTE: The length of the connecting cable on the TPS-6X-DS is 9 feet (2.75 meters). The length of the cable has been shortened for illustrative purposes in the diagram on the previous page.

Connectors, Controls & Indicators

<table>
<tr><th>#</th><th>CONNECTORS[1], CONTROLS & INDICATORS</th><th>DESCRIPTION</th></tr>
<tr><td>1</td><td>TOUCHPANEL CONNECTOR
  </td><td>(1) 10-pin connector for connecting to touchpanel.</td></tr>
<tr><td>2</td><td>INTERFACE MODULE CONNECTOR[2]
  </td><td>(1) Integral 9 foot (2.75 meter) cable with 10-pin RJ-50 male connector;
Connects to TPS-6X-IMCW Interface Module (included).
<table>
<tr><th>TYPE</th><th>PIN</th><th>COLOR</th><th>SIGNALS</th></tr>
<tr><td rowspan="10">10-Position RJ-50</td><td>1</td><td>Gray</td><td>Ground</td></tr>
<tr><td>2</td><td>Orange/ White</td><td>Ethernet TX+</td></tr>
<tr><td>3</td><td>Orange</td><td>Ethernet TX-</td></tr>
<tr><td>4</td><td>Green/ White</td><td>Ethernet RX+</td></tr>
<tr><td>5</td><td>Blue</td><td>Cresnet Y</td></tr>
<tr><td>6</td><td>Blue/ White</td><td>Cresnet Z</td></tr>
<tr><td>7</td><td>Green</td><td>Ethernet RX-</td></tr>
<tr><td>8</td><td>Brown/ White</td><td>Diff Video +</td></tr>
<tr><td>9</td><td>Brown</td><td>Diff Video -</td></tr>
<tr><td>10</td><td>Gray/ White</td><td>Power 24V</td></tr>
</table></td></tr>
</table>

1. The interface module connector fixed onto the TPS-6X-DS is to be connected to the TPS-6X-IMCW's **TO PANEL** port.
2. To determine which is pin 1 on the cable, hold the cable so that the end of the ten pin modular plug is facing away from you, with the clip down and copper side up. Pin 1 is on the far left.

Setup

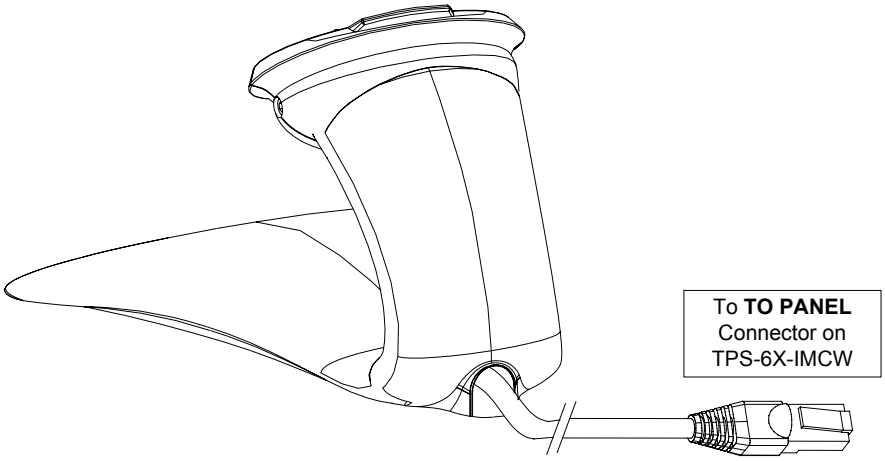
Hardware Hookup

The only connection to the TPS-6X-DS is via the fixed cable, which is connected to the **TO PANEL** port on the (included) TPS-6X-IMCW Interface Module.

When connecting the TPS-6X-DS, consider the following:

- Use Crestron® power supplies for Crestron equipment.
- The included cable cannot be extended.

Hardware Connection for the TPS-6X-DS



NOTE: The length of the connecting cable on the TPS-6X-DS is 9 feet (2.75 meters). The length of the cable has been shortened for illustrative purposes in the diagram above.

Recommended Cleaning

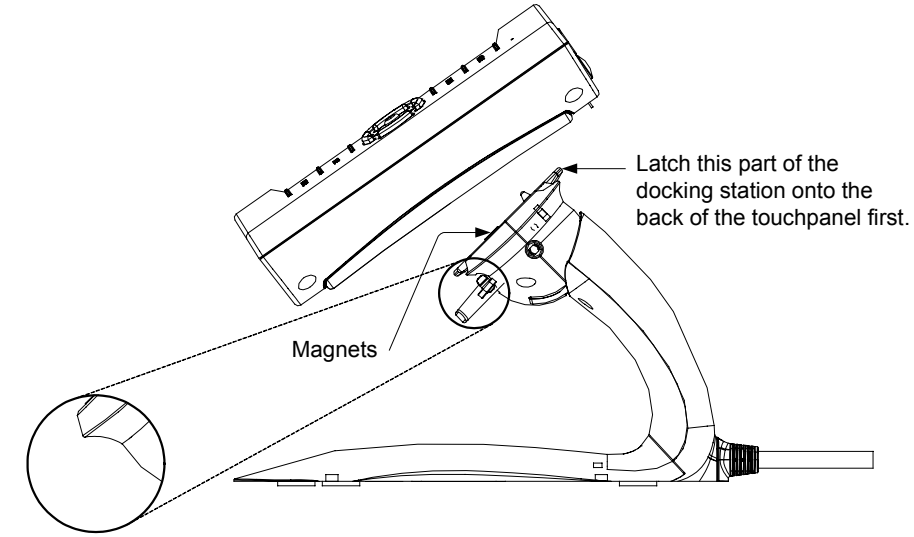
The TPS-6X-DS comes in a soft microfiber bag to protect it during shipping. This can be used to clean the docking station.

Operation

Mounting the Touchpanel

To mount the TPS-6X Series, the touchpanel must first be positioned onto the docking station at a slight angle to latch the top portion of the docking station onto the touchpanel. Magnets on the TPS-6X-DS attach to metal plates installed on the TPS-6X to secure the touchpanel in place (refer to the illustration below).

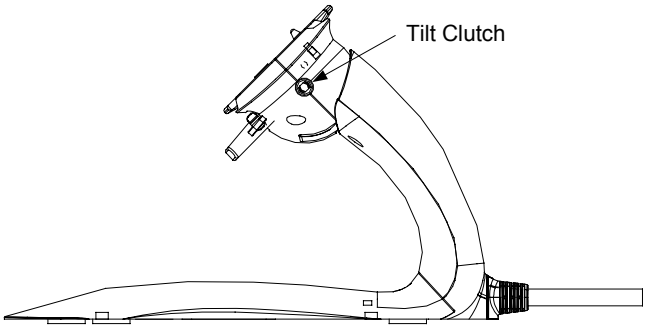
Touchpanel Mounting



Tilt Adjustment

The TPS-6X-DS head can be tilted 45 degrees from vertical. The amount of resistance on the tilt mechanism can be changed or locked to a desired tilt angle by adjusting the tilt clutch using a 7/64" hex wrench (refer to the illustration below).

Touchpanel Tilt Clutch Adjustment



NOTE: Illustration above shows locking model. Tilt clutch is the same on No Lock models.

Operating Modes

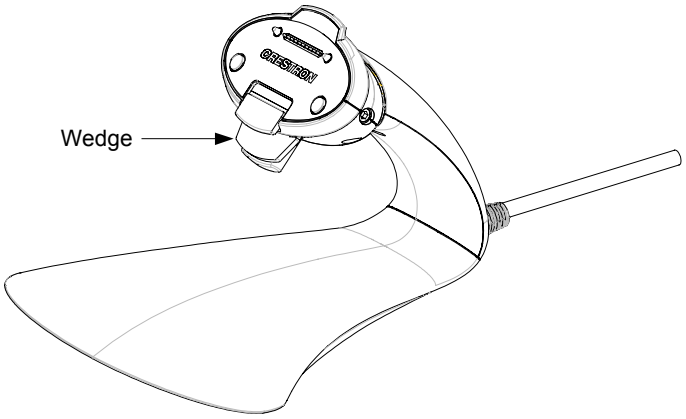
NOTE: This section applies to the locking models only.

The TPS-6X-DS can be configured into a *lock* mode or *unlock* mode to either secure or release the TPS-6X Series touchpanel. The touchpanel can also be configured to permanently lock the touchpanel onto the TPS-6X-DS using a locking pin accessory.

Remove Wedge

To prevent accidental locking, the TPS-6X-DS ships with a wedge insert in front of the latching mechanism. To enable locking, remove the wedge insert.

TPS-6X-DS with Wedge

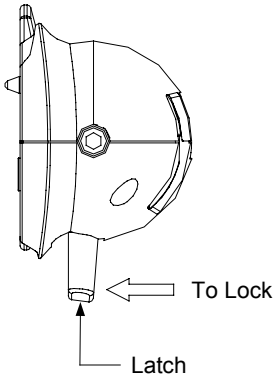


Lock Mode

Pull the latch toward the touchpanel or the user as indicated in the illustration below.

When in *lock* mode, the touchpanel cannot be docked or undocked from the TPS-6X-DS.

TPS-6X-DS Lock Mode

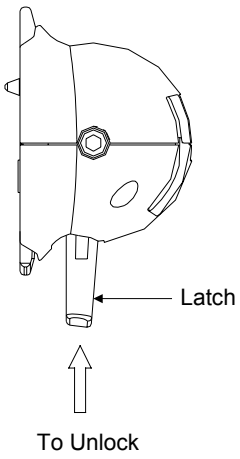


Unlock Mode

Push upward on the latch as indicated in the illustration below.

When in *unlock* mode, the touchpanel can be docked or undocked from the TPS-6X-DS.

TPS-6X-DS Unlock Mode



NOTE: *Lock* and *unlock* modes are mechanical states only. The docked touchpanel will operate in either mode.

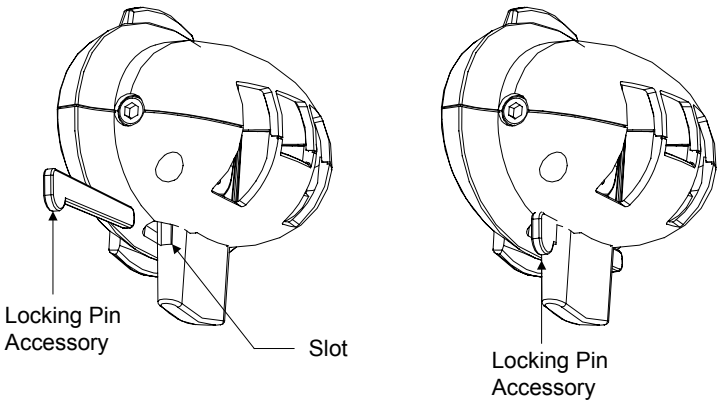
Permanent Lock Mode

Ensure the touchpanel is securely placed on the docking station and placed in *lock* mode. Then slide the locking pin accessory straight through the slot of the latch of docking station until the locking pin clicks into place (refer to the illustrations below).

The locking pin can be installed from the left or right side of the docking station with the snap of the pin facing in or out of the slot on the latch.

When in *permanent lock* mode, the touchpanel is permanently secured onto the docking station. While the locking pin is removable, it is recommended that the user only use the locking pin when necessary. Refer to the **CAUTION** below.

TPS-6X-DS Permanent Lock Mode



CAUTION: Use caution if this locking pin must be removed. Using excess force while removing the locking pin once it has been installed can damage the latch of the docking station and render the locking mechanism unusable.

Resources

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 Crestron at 1-888-CRESTRON [1-888-273-7876].

You can also log onto the online help section of the Crestron website (www.crestron.com/onlinehelp) 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-6X-DS and TPS-6XNL-DS, 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 an authorized CRESTRON dealer. Only authorized CRESTRON dealers may 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 supersedes all previous warranties.

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