

# Crestron **TPMC-3X-BTP**

Battery Pack for TPMC-3X, TPMC-3X-LP  
& MTX-3

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## Installation Guide



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



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## Regulatory Compliance

As of the date of manufacture, the TPMC-3X-BTP has been tested and found to comply with specifications for CE marking and standards per EMC and Radiocommunications Compliance Labelling.



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

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# Battery Pack for TPMC-3X, TPMC-3X-LP & MTX-3: TPMC-3X-BTP

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## Introduction

The TPMC-3X-BTP is a replacement lithium polymer rechargeable battery pack for the Isys<sup>®</sup> TPMC-3X and TPMC-3X-LP Handheld WiFi Touch Screens and the Isys MTX-3 Handheld Wireless Touch Screen. The battery pack is easily replaced from the rear of each handheld device.

## Features and Functions

- Lithium polymer rechargeable battery pack for the TPMC-3X, TPMC-3X-LP and MTX-3 Handheld Touch Screens
- Can be charged when TPMC-3X or MTX-3 is mounted in the TPMC-3X-DS or MTX-3-DS Docking Station/Chargers (respectively) and TPMC-3X-DSW Wall Mount Docking Station (sold separately) and when the TPMC-3X-LP is mounted in its docking station/charger

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**NOTE:** For more information on the TPMC-3X and TPMC-3X-LP touch screens, refer to the latest version of the TPMC-3X Series Handheld WiFi Touch Screen Operations Guide (Doc. 6789). For more information on the MTX-3, refer to the latest version of the MTX-3 Handheld Wireless Touch Screen Operations Guide (Doc. 7066). They are available from the Crestron<sup>®</sup> Web site ([www.crestron.com/manuals](http://www.crestron.com/manuals)).

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**NOTE:** For more information on the TPMC-3X-DS, TPMC-3X-DSW and MTX-3-DS, refer to the latest version of the TPMC-3X-DS Desktop Docking Station/Charger guide (Doc. 6791), TPMC-3X-DSW Wall Mount Docking Station guide (Doc. 6816) and MTX-3-DS Desktop Docking Station/Charger guide (Doc. 7077).

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## Specifications

Specifications for the TPMC-3X-BTP are listed in the following table.

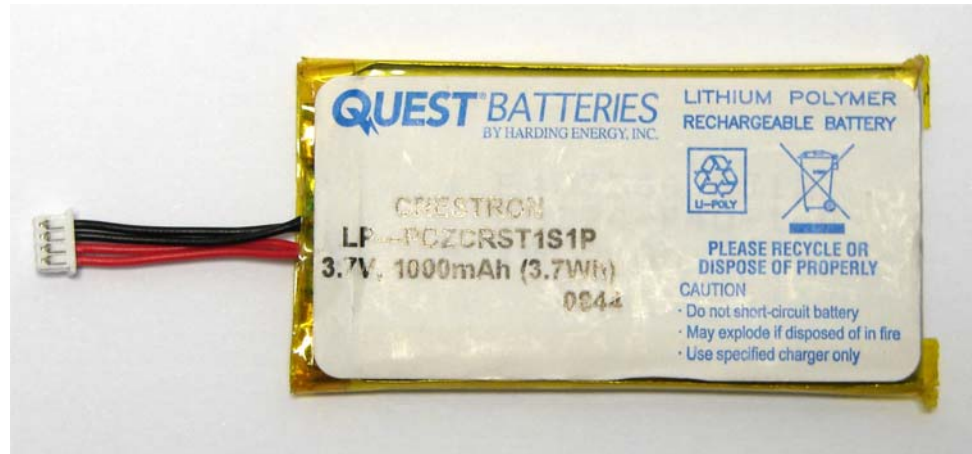
### *TPMC-3X-BTP Specifications*

<b>SPECIFICATION</b>	<b>DETAILS</b>
Battery	
Composition	Lithium polymer
Output Voltage	3.7 Volts DC
Capacity	1000 mAh
Usage Per Charge	5 hours continuous at full brightness
Charging Time	2 hours
Cycle Life	>300 cycles (80% capacity)
Weight	0.8 oz (21 g)

## Physical Description

The TPMC-3X-BTP has a multi-pin connector for attachment inside the battery compartment of the TPMC-3X, TPMC-3X-LP or MTX-3.

### *TPMC-3X-BTP Physical View*



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## Setup

### Removal

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**NOTE:** To prevent damage to multi-pin connector and wiring, use care when handling the TPMC-3X-BTP.

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Perform the following procedure to remove the existing TPMC-3X-BTP from a TPMC-3X, TPMC-3X-LP or MTX-3 touch screen:

1. Place the touch screen with the screen side down on a clean, soft surface.
2. Remove the battery compartment cover on the rear of the touch screen.
3. Lift the TPMC-3X-BTP out of the battery compartment, to gain easier access to the multi-pin connector.
4. Using the flat end of a small slot head screwdriver, gently pry the multi-pin connector off the corresponding connector in the battery compartment of the touch screen.

### Installation

After completing removal of the old TPMC-3X-BTP from the touch screen (refer to “Removal” above), perform the following procedure to install the TPMC-3X-BTP in a TPMC-3X, TPMC-3X-LP or MTX-3 touch screen:

1. Carefully connect the multi-pin connector of the TPMC-3X-BTP with the corresponding connector inside the battery compartment. The pin side of the connector should be facing upward (toward the rear of the touch screen). Red wires should be above black wires (toward the top of the touch screen). Ensure the connector is fully seated.
2. Place the TPMC-3X-BTP in the battery compartment, oriented so the wires for the multi-pin connector are on the bottom. Refer to the photo on the following page.
3. Re-attach the battery compartment cover.

*TPMC-3X-BTP in Battery Compartment of Touch Screen*



## Charging

To charge the TPMC-3X-BTP, install the TPMC-3X-BTP in a TPMC-3X or MTX-3 touch screen and mount the touch screen in an AC powered TPMC-3X-DS or MTX-3-DS Docking Station/Charger (respectively) or TPMC-3X-DSW Wall Mount Docking Station (sold separately) or mount the TPMC-3X-LP on its AC powered docking station.

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**NOTE:** The battery pack may take up to 2 hours to charge in a powered touch screen if the device is in use during charging.

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## Storage

The TPMC-3X-BTP can be stored in a temperate, dry place (removed from the touch screen and docking station/charger) for up to six months without significant irreversible degradation of its performance. The self-discharge rate is a function of temperature and internal resistance. High temperature storage reduces charge retention. Best results occur if the TPMC-3X-BTP is stored at an optimal temperature of 32° to 95° F (0° to 35° C).

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**NOTE:** The TPMC-3X BTP should be 30-50% charged when put into storage.

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## Disposal

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**NOTE:** The TPMC-3X-BTP contains a lithium polymer battery. When the unit can no longer retain a charge, it must be recycled or disposed of properly. Follow local ordinances and/or regulations for disposal.

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**Battery must be recycled.** Deliver the battery to an appropriate recycling facility.



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## Resources

### Reference Documents

The latest version of all documents mentioned within the guide can be obtained from the Crestron Web site ([www.crestron.com/manuals](http://www.crestron.com/manuals)).

#### *List of Related Reference Documents*

DOCUMENT TITLE
MTX-3 Handheld Wireless Touch Screen
MTX-3-DS Desktop Docking Station/Charger
TPMC-3X Series Handheld WiFi Touch Screens
TPMC-3X-DS Desktop Docking Station/Charger
TPMC-3X-DSW Wall Mount Docking Station

### Further Inquiries

To locate specific information or resolve questions after reviewing this guide, contact Crestron's True Blue Support at 1-888-CRESTRON [1-888-273-7876] or refer to the listing of Crestron worldwide offices on the Crestron Web site ([www.crestron.com/offices](http://www.crestron.com/offices)) for assistance within a particular geographic region.

To post a question about Crestron products, log onto the Online Help section of the Crestron Web site ([www.crestron.com/onlinehelp](http://www.crestron.com/onlinehelp)). First-time users must 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 TPMC-3X-BTP, 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 Web site periodically for manual update availability and its relevance. Updates are identified as an “Addendum” in the Download column.

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

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Specifications subject to  
change without notice.