

Crestron **TPMC-4XG-BTP**
Internal Battery Pack
for TPMC-4XG and TPMC-4XG-B

Installation Guide



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Internal Battery Pack for TPMC-4XG and TPMC-4XG-B: TPMC-4XG-BTP

Introduction

Features and Functions

- Lithium Ion rechargeable battery pack for the TPMC-4XG and TPMC-4XG-B WiFi Touchpanels
- Can be charged when TPMC-4XG or TPMC-4XG-B is mounted in the TPMC-4XG-DS or TPMC-4XG-DS-B Docking Station/Charger (sold separately)

NOTE: For more information on the TPMC-4XG or TPMC-4XG-B touchpanels, refer to the latest version of the TPMC-4XG or TPMC-4XG-B Isys i/O™ Handheld WiFi Touchpanel Operations Guide (Doc. 6655 and 6749, respectively), which are available from the Crestron website (www.crestron.com/manuals).

NOTE: For more information on the TPMC-4XG-DS or TPMC-4XG-DS-B, refer to the latest version of the TPMC-4XG-DS or TPMC-4XG-DS Desktop Docking Station/Charger guide (Doc. 6656 and 6750, respectively).

Specifications

Specifications for the TPMC-4XG-BTP are listed in the following table.

TPMC-4XG-BTP Specifications

SPECIFICATION	DETAILS
Battery	
Output Voltage	3.7 Volts DC
Capacity	1800 mAh
Composition	Lithium Ion (Li-Ion)
Charging time	2 hours 50 minutes
Weight	1.4 oz (40 g)

Physical Description

The TPMC-4XG-BTP has a multi-pin connector for attachment inside the battery compartment of the TPMC-4XG or TPMC-4XG-B.

TPMC-4XG-BTP Physical View



Setup

Removal

NOTE: To prevent damage to multi-pin connector and wiring, use care when handling the TPMC-4XG-BTP.

Perform the following procedure to remove the existing TPMC-4XG-BTP from a TPMC-4XG or TPMC-4XG-B touchpanel:

1. Place the touchpanel screen side down on a clean, soft surface.
2. Remove the battery compartment cover on the rear of the touchpanel.
3. 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 touchpanel.
4. With the multi-pin connector detached from the touchpanel, lift the TPMC-4XG-BTP out of the battery compartment.

Installation

After completing removal of the old TPMC-4XG-BTP from the touchpanel (refer to “Removal” above), perform the following procedure to install the TPMC-4XG-BTP in a TPMC-4XG or TPMC-4XG-B touchpanel:

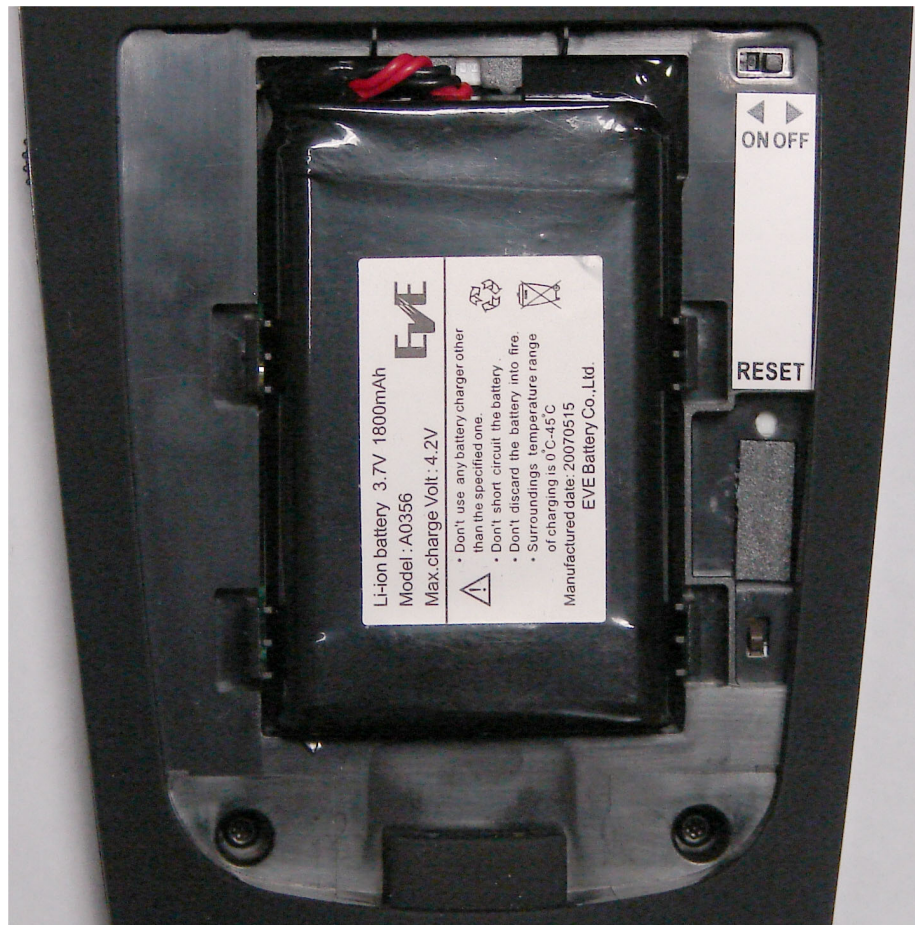
1. Place the TPMC-4XG-BTP in the battery compartment oriented so the multi-pin connector is on the top.
2. Carefully connect the multi-pin connector of the TPMC-4XG-BTP with the corresponding connector inside the battery compartment. The pin side of the connector should be facing downward (toward the front of the touchpanel).

NOTE: When installing the battery in the touchpanel, ensure the connecting wires are not under the battery. Refer to the photo on the following page for proper wire routing.

3. Re-attach the battery compartment cover.

NOTE: To prevent battery drain during shipment or for long-term storage, the TPMC-4XG and TPMC-4XG-B have a battery switch inside the battery compartment. To use the internal battery, move the switch to the left (on) position. To conserve battery power when the unit will not be used for extended periods, move the switch to the right (off) position.

TPMC-4XG-BTP in Battery Compartment of TPMC-4XG-B



Charging

NOTE: A Lithium Ion (Li-Ion) battery typically provides 300-500 charge/discharge cycles.

To charge the TPMC-4XG-BTP, install the TPMC-4XG-BTP in a TPMC-4XG or TPMC-4XG-B touchpanel and mount the touchpanel on an AC powered TPMC-4XG-DS or TPMC-4XG-DS-B Docking Station/Charger (sold separately).

NOTE: The battery pack may take up to three hours to charge in a powered touchpanel if the panel is in use during charging.

Storage

The TPMC-4XG-BTP can be stored in a temperate, dry place (removed from the touchpanel and docking station) indefinitely 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-4XG-BTP is stored at an optimal temperature of 32° to 104°F (0° to 40°C). After an extended period of storage, initiate a few charge/discharge cycles to restore full capacity.

NOTE: The TPMC-4XG BTP should be 30-50% charged when put into storage.

Disposal

NOTE: The TPMC-4XG-BTP contains a Lithium Ion (Li-Ion) 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.

Resources

Industry Compliance

As of the date of manufacture the TPMC-4XG-BTP has been tested and found to comply with specifications for CE marking and standards per EMC and Radiocommunications Compliance Labelling.



Reference Documents

The latest version of all documents mentioned within the guide can be obtained from the Crestron website (www.crestron.com/manuals). This link will provide a list of product manuals arranged in alphabetical order by model number.

List of Related Reference Documents

DOCUMENT TITLE
TPMC-4XG Isys i/O™ Handheld WiFi Touchpanel
TPMC-4XG-B Isys i/O™ Handheld WiFi Touchpanel
TPMC-4XG-DS Desktop Docking Station/Charger
TPMC-4XG-DS-B Desktop Docking Station/Charger

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 TPMC-4XG-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 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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change without notice.