TC72 / TC77
Touch Computer

Quick Start Guide
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Features

[Diagram of device features with labels for each component, including:
- Menu Button
- Touch Screen
- Scan Button
- PTT Button
- Back Button
- Home Button
- Microphone
- Charging Contacts
- Speaker
- Front Facing Camera (optional)
- Data Capture LED
- Search Button
- Light Sensor
- Proximity Sensor
- Power Button
- Elastic Sleeve
- Battery Release Latches
- Hand Strap Mounting Point
- Battery
- Camera Flash
- Interface Connector
- Exit Window]
Removing the SIM Lock Access Cover

NOTE: TC77 with SIM Lock only.

TC77 models with the SIM Lock feature include an access door that is secured using a Microstix 3ULR-0 screw. To remove the access cover, use a Microstix TD-54(3ULR-0) screwdriver to remove the screw from the access panel.

Figure 1  Remove Secure Access Cover Screw

After re-installing the access cover, make sure to use a Microstix TD-54(3ULR-0) screwdriver to re-install the screw.

Installing the SIM Card

NOTE: A SIM card is only required on the TC77.

NOTE: Only use a nano SIM card.

CAUTION: For proper electrostatic discharge (ESD) precautions to avoid damaging the SIM card. Proper ESD precautions include, but not limited to, working on an ESD mat and ensuring that the user is properly grounded.
1. Lift the access door.

**Figure 2** Remove Access Door

![Figure 2 Remove Access Door](image)

**Figure 3** TC77 SIM Slot Locations

![Figure 3 TC77 SIM Slot Locations](image)

nano SIM
Slot 1 (default)

nano SIM
Slot 2

2. Slide the SIM card holder to the unlock position.

**Figure 4** Unlock SIM Card Holder

![Figure 4 Unlock SIM Card Holder](image)
3. Lift the SIM card holder door.

**Figure 5** Lift the SIM Card Holder

4. Place the nano SIM card into the card holder with contacts facing down.

**Figure 6** Place SIM Card in Holder

5. Close the SIM card holder door and slide to the lock position.

**Figure 7** Close and Lock SIM Card Holder Door
6. Replace the access door.

Figure 8  Replace Access Door

7. Press the access door down and ensure that it is properly seated.

CAUTION: Access door must be replaced and securely seated to ensure proper device sealing.

Installing the SAM Card

CAUTION: Follow proper electrostatic discharge (ESD) precautions to avoid damaging the Secure Access Module (SAM) card. Proper ESD precautions include, but not limited to, working on an ESD mat and ensuring that the user is properly grounded.

NOTE: If using a micro SAM card, a third-party adapter is required.

1. Lift the access door.

Figure 9  Remove Access Door

2. Insert a SAM card into the SAM slot with the cut edge toward the middle of the device and the contacts facing down.

Figure 10  SAM Card Installation

3. Ensure that the SAM card is seated properly.
4. Replace the access door.

**Figure 11  Replace Access Door**

![Replace Access Door](image)

5. Press the access door down and ensure that it is properly seated.

**CAUTION:** Access door must be replaced and securely seated to ensure proper device sealing.

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**Installing a microSD Card**

The microSD card slot provides secondary non-volatile storage. The slot is located under the battery pack. Refer to the documentation provided with the card for more information, and follow the manufacturer's recommendations for use.

**CAUTION:** Follow proper electrostatic discharge (ESD) precautions to avoid damaging the microSD card. Proper ESD precautions include, but are not limited to, working on an ESD mat and ensuring that the operator is properly grounded.

1. Remove the hand strap, if installed.
2. Lift the access door.

**Figure 12  Remove Access Door**

![Remove Access Door](image)

3. Slide the microSD card holder to the Open position.

**Figure 13  Open microSD Card Holder**

![Open microSD Card Holder](image)
4. Lift the microSD card holder.

Figure 14  Lift microSD Card Holder

5. Insert the microSD card into the card holder door ensuring that the card slides into the holding tabs on each side of the door.

Figure 15  Insert microSD Card into Holder

6. Close the microSD card holder door and slide the door to the Lock position.

Figure 16  Close and Lock microSD Card in Holder
7. Replace the access door.

Figure 17  Replace Access Door

8. Press the access door down and ensure that it is properly seated.

CAUTION: Access door must be replaced and securely seated to ensure proper device sealing.

Installing the Hand Strap and Battery

NOTE: User modification of the device, particularly in the battery well, such as labels, asset tags, engravings, stickers, etc., may compromise the intended performance of the device or accessories. Performance levels such as sealing (Ingress Protection (IP)), impact performance (drop and tumble), functionality, temperature resistance, etc. could be effected. DO NOT put any labels, asset tags, engravings, stickers, etc. in the battery well.

NOTE: Installation of the hand strap is optional. Skip this section if not installing the hand strap.

1. Remove the hand strap filler from the hand strap slot. Store the hand strap filler in a safe place for future replacement.

Figure 18  Remove Filler

2. Insert the hand strap plate into the hand strap slot.

Figure 19  Insert Hand Strap
3. Insert the battery, bottom first, into the battery compartment in the back of the device.

**Figure 20**  Insert Bottom of Battery into Battery Compartment

4. Press the battery down into the battery compartment until the battery release latches snap into place.

**Figure 21**  Press Down on Battery

5. Place hand strap clip into hand strap mounting slot and pull down until it snaps into place.

**Figure 22**  Secure Hand Strap Clip
Installing the Battery

**NOTE:** User modification of the device, particularly in the battery well, such as labels, asset tags, engravings, stickers, etc., may compromise the intended performance of the device or accessories. Performance levels such as sealing (Ingress Protection (IP)), impact performance (drop and tumble), functionality, temperature resistance, etc. could be effected. DO NOT put any labels, asset tags, engravings, stickers, etc. in the battery well.

1. Insert the battery, bottom first, into the battery compartment in the back of the device.

**Figure 23**  Insert Bottom of Battery into Battery Compartment

2. Press the battery down into the battery compartment until the battery release latches snap into place.

**Figure 24**  Press Down on Battery
Charging the Device

Use one of the following accessories to charge the device and/or spare battery.

Table 1  Charging and Communication

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Charging (In Device)</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Battery</td>
<td>Spare Battery</td>
</tr>
<tr>
<td>2-Slot Charge Only Cradle</td>
<td>CRD-TC7X-SE 2CPP-01</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2-Slot USB/Ethernet Cradle</td>
<td>CRD-TC7X-SE 2EPP-01</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>5-Slot Charge Only Cradle</td>
<td>CRD-TC7X-SE 5C1-01</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>4-Slot Charge Only Cradle with Battery Charger</td>
<td>CRD-TC7X-SE 5KPP-01</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>5-Slot Ethernet Cradle</td>
<td>CRD-TC7X-SE 5EU1–01</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>4-Slot Spare Battery Charger</td>
<td>SAC-TC7X-4B TYPP-01</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Snap-On USB Cable</td>
<td>CBL-TC7X-CB L1-01</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Charging Cable Cup</td>
<td>CHG-TC7X-CL A1-01</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Charging the TC72/TC77

NOTE: Ensure that you follow the guidelines for battery safety described in the device User Guide.

1. Insert the device into the charging slot or connect the USB Charge cable to the device.

2. Ensure the device is seated properly.

   The Notification/Charge LED lights amber while charging, then turns solid green when fully charged. See Table 2 for charging indicators.

   The 4,620 mAh battery fully charges in less than five hours at room temperature.
Charging the Spare Battery

1. Insert a spare battery into the spare battery slot.

2. Ensure the battery is seated properly.

   The Spare Battery Charging LED blinks indicating charging. See Table 3 for charging indicators.

The 4,620 mAh battery fully charges in less than five hours at room temperature.

Table 2  Charging/Notification LED Charging Indicators

<table>
<thead>
<tr>
<th>State</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>The device is not charging. The device is not inserted correctly in the cradle or connected to a power source. Charger/cradle is not powered.</td>
</tr>
<tr>
<td>Slow Blinking Amber (1 blink every 4 seconds)</td>
<td>The device is charging.</td>
</tr>
<tr>
<td>Solid Green</td>
<td>Charging complete.</td>
</tr>
</tbody>
</table>
| Fast Blinking Amber (2 blinks/second)      | Charging error, e.g.:  
   Temperature is too low or too high.  
   Charging has gone on too long without completion (typically eight hours). |
| Slow Blinking Red (1 blink every 4 seconds) | The device is charging but the battery is at end of useful life.            |
| Solid Red                                  | Charging complete but the battery is at end of useful life.                 |
| Fast Blinking Red (2 blinks/second)        | Charging error but the battery is at end of useful life, e.g.:  
   Temperature is too low or too high.  
   Charging has gone on too long without completion (typically eight hours). |

Charging the Spare Battery

1. Insert a spare battery into the spare battery slot.

2. Ensure the battery is seated properly.

   The Spare Battery Charging LED blinks indicating charging. See Table 3 for charging indicators.

The 4,620 mAh battery fully charges in less than five hours at room temperature.

Table 3  Spare Battery Charging LED Indicators

<table>
<thead>
<tr>
<th>State</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>The battery is not charging. The battery is not inserted correctly in the cradle or connected to a power source. Cradle is not powered.</td>
</tr>
<tr>
<td>Solid Amber</td>
<td>Battery is charging.</td>
</tr>
<tr>
<td>Solid Green</td>
<td>Battery charging is complete.</td>
</tr>
</tbody>
</table>
| Fast Blinking Red (2 blinks/second)        | Charging error, e.g.:  
   - Temperature is too low or too high.  
   - Charging has gone on too long without completion (typically eight hours). |
| Solid Red                                  | Unhealthy battery is charging or fully charged.                             |

Charge batteries in temperatures from 0°C to 40°C (32°F to 104°F). The device or cradle always performs battery charging in a safe and intelligent manner. At higher temperatures (e.g. approximately +37°C (+98°F)) the device or cradle may for small periods of time alternately enable and disable battery charging to keep the
battery at acceptable temperatures. The device and cradle indicates when charging is disabled due to abnormal temperatures via its LED.

2-Slot Charging Only Cradle

2-Slot USB/Ethernet Cradle
5-Slot Charge Only Cradle

Power LED
5-Slot Ethernet Cradle

1000 LED

100/10 LED
4-Slot Battery Charger

Snap-On USB Cable
Imager Scanning

To read a bar code, a scan-enabled application is required. The device contains the DataWedge application that allows the user to enable the imager, decode the bar code data and display the bar code content.

1. Ensure that an application is open on the device and a text field is in focus (text cursor in text field).

2. Point the exit window on the top of the device at a bar code.

3. Press and hold the scan button.
   The red laser aiming pattern turns on to assist in aiming.

**NOTE:** When the device is in Picklist mode, the imager does not decode the bar code until the crosshair or aiming dot touches the bar code.
4. Ensure the bar code is within the area formed by the crosshairs in the aiming pattern. The aiming dot is used for increased visibility in bright lighting conditions.

**Figure 26**  Aiming Pattern

![Aiming Pattern](image)

**Figure 27**  Pick List Mode with Multiple Barcodes

![Pick List Mode with Multiple Barcodes](image)

5. The Data Capture LED lights green and a beep sounds, by default, to indicate the bar code was decoded successfully.

6. Release the scan button.
   The bar code content data displays in the text field.

**NOTE:**  Imager decoding usually occurs instantaneously. The device repeats the steps required to take a digital picture (image) of a poor or difficult bar code as long as the scan button remains pressed.