

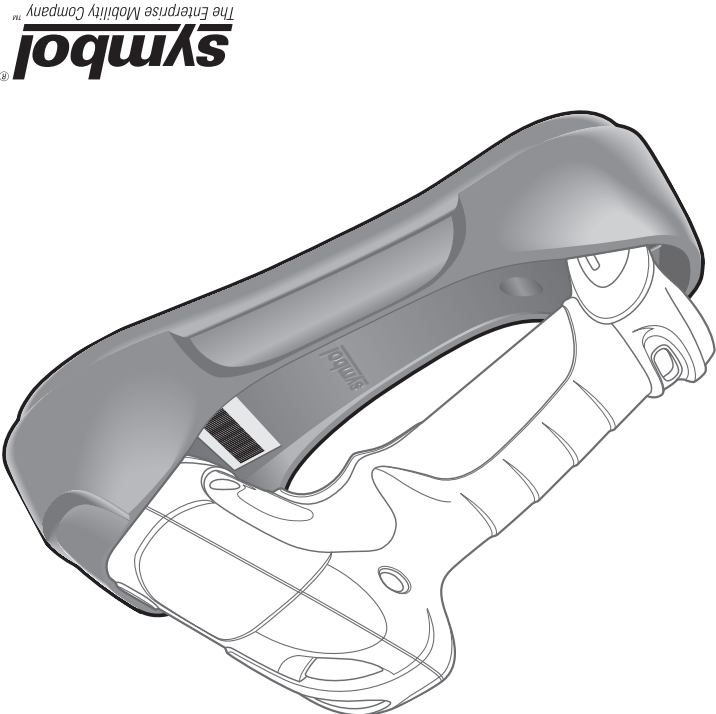


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Service Information

Before using the unit, it must be configured to operate in the facility's network and run your applications. If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Symbol Support Center.



STB3408/3478 Quick Reference Guide

Introduction

The cordless scanner cradle acts as a stand, host communication interface, and charger for the LS 3478 cordless scanner. It can sit on a desktop or be mounted on a wall.

There are two configurations of the cradle:

- STB3478-C0007WW: charging cradle with radio for desk/wall mounting
- STB3408-C0007: charging cradle only for desk/wall mounting.

The STB3478 cradle receives data from the scanner via a Bluetooth radio, and sends that data to the host through an attached cable. The cradle also charges the scanner's internal battery pack when the scanner is inserted. The scanner can be charged from an external power supply or using a USB host cable.

This document provides basic instructions on setting up and using the cradle. Unless otherwise noted, "cradle" refers to both configurations of the cradle. Any discussion of transmission of information refers specifically to the STB3478 cradle.

Equipment Supplied

The cradle package includes:

- Cradle
- Four rubber feet (for desk mounting).

Accessories

The following equipment may be needed:

- Three 1.5" #8 Phillips head screws (for wall mounting, if applicable, not available from Symbol)
- Power supply for desk/wall mounting configuration (Symbol p/n 50-14000-101).

Save the shipping container for storing or shipping. Inspect all equipment for damage. If anything is damaged or missing, call an authorized Customer Support Representative immediately.

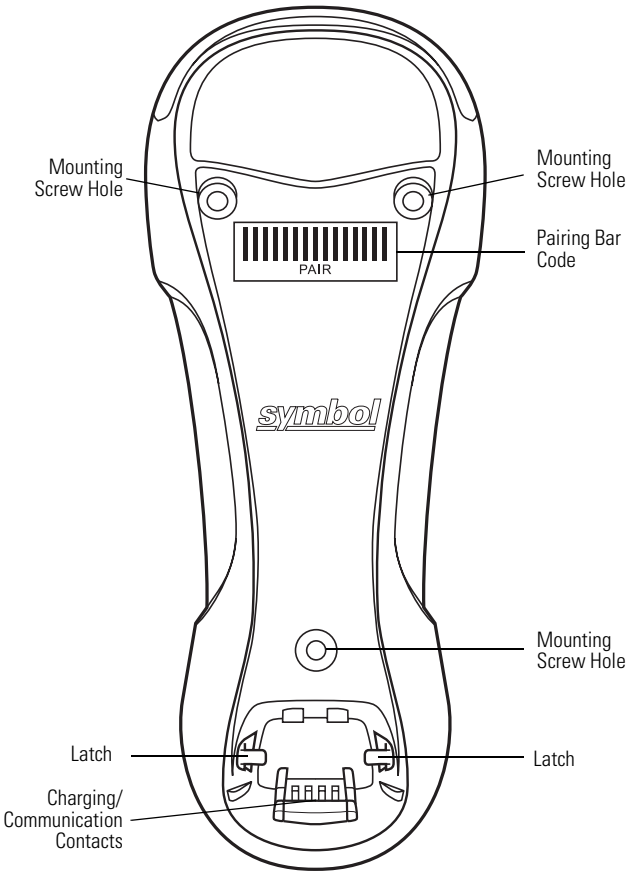
Related Documentation

LS 3478 Cordless Scanner Product Reference Guide, p/n 72-67139-xx.

LS 3478 Cordless Scanner Quick Start Guide, p/n 72-67137-xx.

This documentation is available at: <http://www.symbol.com/manuals>

Cradle Parts (Front)



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Warranty

(A) Warranty Symbol Technologies (hereafter "Seller") hardware Products are warranted against defects in workmanship and

materials for a period of three (3) months from the date of shipment, unless otherwise provided by Seller in writing, provided the Product remains unmodified and is operated under normal and proper conditions. Warranty provisions and durations on

software, reinstalled systems, Product modified or designed to meet specific customer specifications ("Custom Products"), remanufactured products, and reconditioned or upgraded products, shall be as provided in the applicable Product

specification in effect at the time of purchase or in the accompanying software license.

(B) Spare Parts Spare parts (i.e. parts, components, or subassemblies) sold by Seller for use in the service and maintenance

of Products) are warranted against defects in workmanship and materials for a period of thirty (30) days from the date of

shipment. Spare parts may be new or originate from returned units under the conditions set forth in subsection D below.

(C) Repair of Symbol-branded hardware For repairs on Symbol-branded hardware Products under this agreement, including repairs covered by warranty, the repair services provided are warranted against defects in workmanship and

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(D) Product Service Products may be serviced or manufactured with parts, components, or subassemblies that originate from

returned products and that have been tested as meeting applicable specifications for equivalent new material and Products.

The sole obligation of Seller for defective hardware Products is limited to repair or replacement (at Seller's option) on a "return

to service depot" basis with prior Seller authorization. Customer is responsible for shipment to the Seller and assumes all costs

and risks associated with this transportation, return shipment to the Customer will be at Seller's expense. Customer shall be

responsible for return shipment charges for product returned where Seller determines there is no defect ("No Defect Found").

for product returned that Seller determines is not eligible for warranty repair. No charge will be made to Buyer for

replacement parts for warranty repairs. Seller is not responsible for any damage to or loss of any software programs, data or

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if any, installed by Seller during manufacture of the Product.

(E) Original Warranty Period Except for the warranty applying solely to the repaired component arising from a repair service

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(F) Warranty Provisions The above warranty provisions shall not apply to any Product (i) which has been repaired, tampered

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or accessories not approved or supplied by Symbol, or failure to perform operator handling and scheduled maintenance

instructions supplied by Seller; (iii) which has been subjected to unusual physical or electrical stress, abuse, or accident, or

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WARRANTIES ON PRODUCTS FINISHED HEREUNDER INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR A PARTICULAR USE. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION

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IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL DAMAGES FOR

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The stated express warranties are in lieu of all obligations or liabilities on the part of Seller for damages, including but not

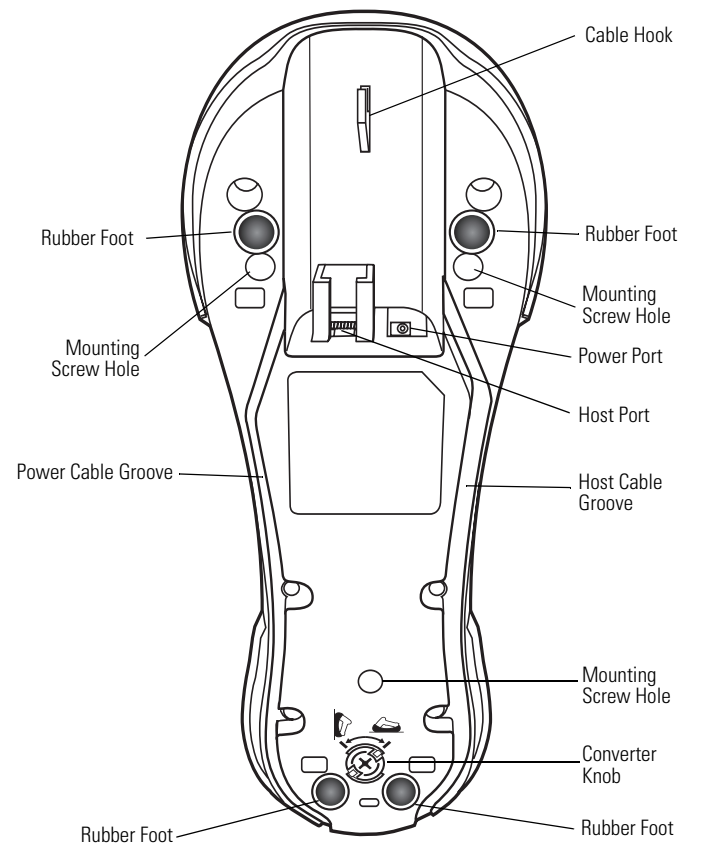
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or service. Seller's liability for damages to Buyer or others resulting from the use of any Product or service furnished hereunder

shall in no way exceed the purchase price of said Product or the fair market value of said service, except in instances of injury

to persons or property.

Cradle Parts (Back)

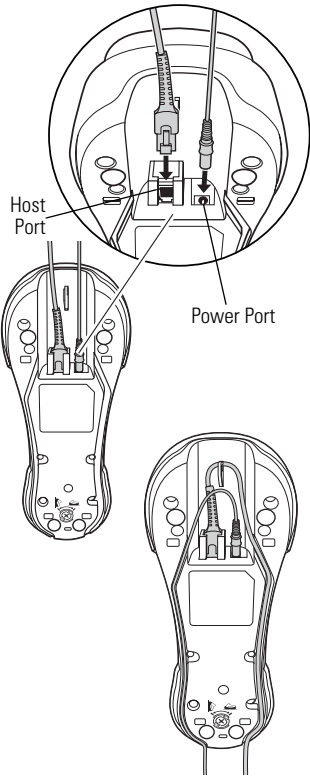


Note: Do not use the rubber feet when mounting in a non-horizontal orientation.

Cradle Connections

Important: Connect the interface cable and power supply in the following order to ensure proper operation of the scanner and cradle:

1. Insert the interface cable into the cradle's host port.
2. Connect the other end of the interface cable to the host.
3. Connect the power supply to the cradle's power port if required by the interface, or to allow fast charging of the scanner.
4. Connect the appropriate cable to the power supply and an AC power source.
5. If applicable, thread the interface cable over the cable hook and run the host and power cables into their respective cable grooves.
6. If necessary, scan the appropriate host bar code (for non-autodetected interfaces). See the *Product Reference Guide*.



Changing the Host Interface

To connect to a different host, or to the same host through a different cable:

1. Unplug the power supply from the cradle.
2. Unplug the interface cable from the host.
3. Connect the interface cable to the new host, or the new interface cable to the existing host.
4. Reconnect the power supply.
5. If necessary, scan the appropriate host bar code (for non-autodetected interfaces). See the *Product Reference Guide*.

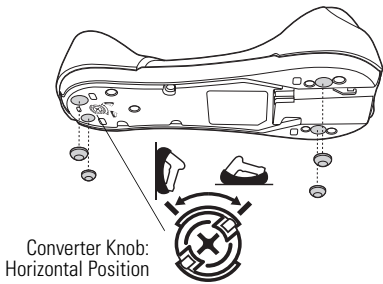


If the scanner does not recognize the host, disconnect the power supply, then reconnect after connecting the host cable.

Mounting the Cradle

Horizontal Mount

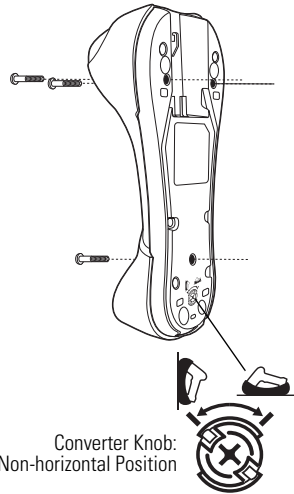
1. Ensure the converter knob is in the correct position, shown at right.
2. If mounting the cradle horizontally where no fastening is necessary, peel the protective paper from the back of the rubber feet included with the cradle packaging, and attach the feet to the cradle at the indentations in the plastic. These feet provide traction and prevent surface damage.



Non-Horizontal Mount

To mount the cradle on a non-horizontal surface:

1. Use a Philips screwdriver to turn the converter knob to the position shown at right. The latches protract to engage the depressions at the base of the scanner's handle.
2. Attach the interface and power cables to the appropriate ports (see [Cradle Connections](#)).
3. Press the cables into the cable grooves.
4. Position the cradle on the mounting surface.
5. Mark the surface through the three holes on the bottom of the cradle, or use the mounting template to determine the location of the screw holes.
6. Pre-drill holes to accommodate three 1.5" #8 Philips head screws.
7. Attach the cradle securely to the surface.
8. Place the scanner in the cradle.

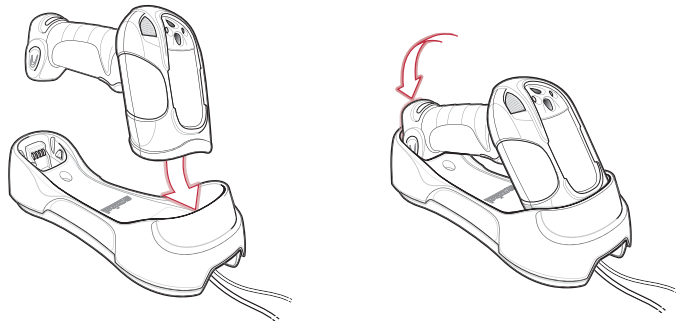


Note: Do not use the rubber feet when mounting in a non-horizontal orientation.

Inserting the Scanner in the Cradle

To insert the scanner in the cradle:

1. Insert the scanner top first.
2. Push the handle until it clicks into place, engaging the contacts in the cradle and scanner.



Sending Data to the Host Computer

The cradle receives data from the scanner via a wireless radio connection and transmits it to the host computer via the host cable. The scanner and cradle must be paired for successful wireless communication.

Pairing

Pairing registers a scanner to the cradle. The STB3478 is a multipoint cradle, and can connect to up to four scanners at a time. The cradle includes pairing bar codes on both its front and back.

During pairing, the scanner and the cradle exchange information. A short low-high beep sequence indicates successful pairing. Four low, long beeps indicate failure, or an unsuccessful pairing.

To pair the scanner with the cradle, scan either pairing bar code.

Lost Connection to Host

If scanned data does not transmit to the cradle's host, ensure that all cables are firmly inserted and the power supply is connected to an appropriate AC outlet. If scanned data still does not transmit to the host, reestablish a connection with the host:

1. Disconnect the power supply from the cradle.
2. Disconnect the host interface cable from the cradle.
3. Wait three seconds.
4. Reconnect the host interface cable to the cradle.
5. Reconnect the power supply to the cradle.
6. Reestablish pairing with the cradle by scanning either pairing bar code.

Charging the Scanner Battery in the Cradle

To charge the scanner battery, place the scanner in the cradle (see [Inserting the Scanner in the Cradle](#)). The battery begins charging within five seconds. A complete charge can take up to four hours, depending on the remaining charge in the battery.

LED Charging Indications

The green LED indicates charging activity (see the table below). If the scanner is charging in fast mode (non-bus powered mode), the green LED blinks at a fast rate. If the scanner is charging in slow mode (bus-powered mode), the LED blinks at a slow rate.

If the red LED begins flashing, indicating a charging problem, remove the scanner from the cradle and replace the battery. If the red LED continues flashing, contact a Symbol Support Center.

Standard Use LED Sequences	
Off	No power is applied to the scanner, or the scanner is on and ready to scan.
Green	A bar code was successfully decoded.
Red	A data transmission error or scanner malfunction occurred.

Charging Use LED Sequences	
Green Slow Flash	The scanner is in the cradle and is charging in slow mode (used when the cradle is powered from the USB bus).
Green Fast Flash	The scanner is in the cradle and is charging in rapid mode (used when the cradle is powered from an external power supply).
Red fast flash (two flashes per second)	Overcharge condition. Contact the Symbol Support Center.
Red slow flash (one flash per second)	Low battery voltage. Replace the battery.
Red and green flash	Temperature fault. Move the cradle to a location where the temperature is 0° - 40° C; optimal charging temperature is 5° - 35° C.

For more details about LED indications, refer to the *LS 3478 Product Reference Guide*.

Using the USB Interface to Supply Power

When the cradle is connected to the host via the USB interface, the USB port can power the cradle instead of an external power supply. In this mode, the cradle can only charge the scanner battery in singlepoint mode. To charge a scanner in multipoint mode, an external power supply is required.

Troubleshooting

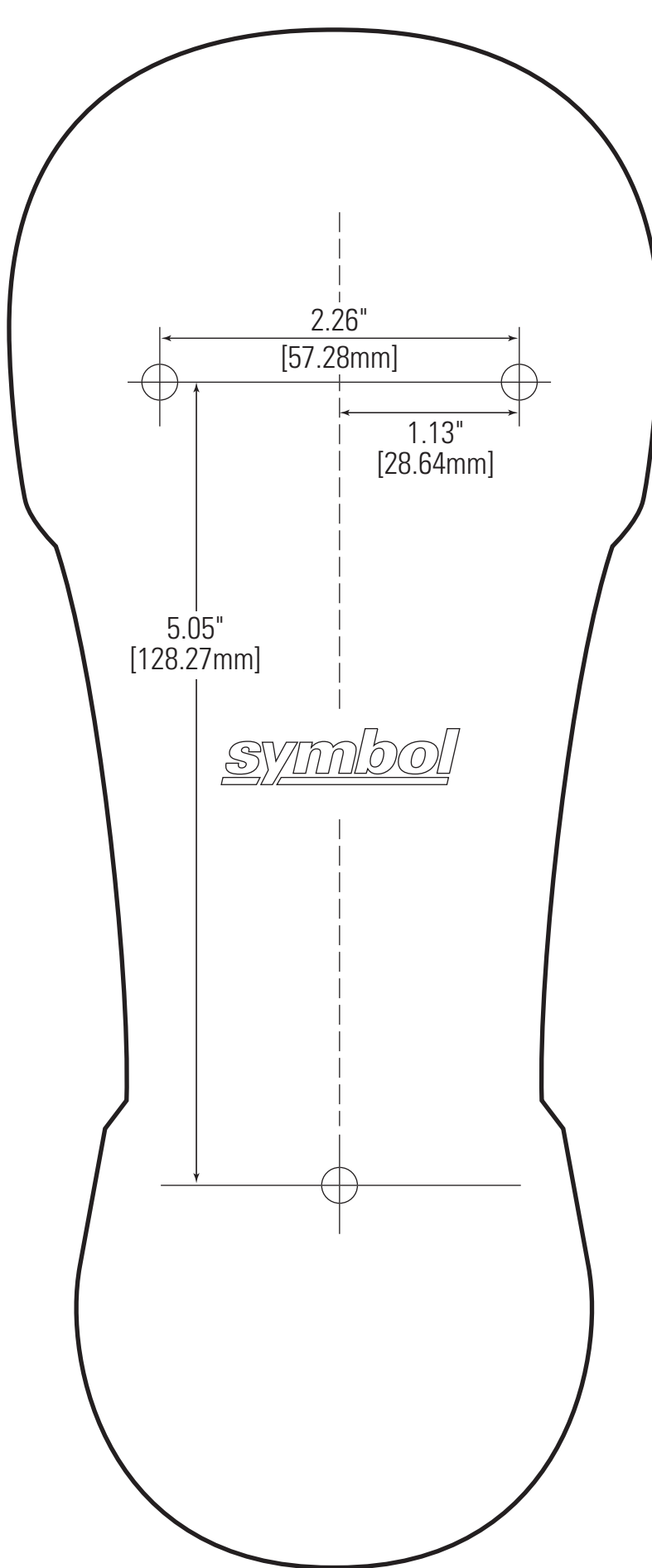
If the cradle does not work after following the previous procedures:

- Check the system power.
- Check for loose cable connections.
- Check that the scanner is inserted properly in the cradle.
- Check that the host settings are correct and the cradle is connected to the appropriate port on the host.



Do not pour, spray, or spill any liquid on the cradle.

Mounting Template



Dimension tolerance = ± 0.01 inch (± 0.25 mm)