

STB3508/3578 Cradle

Quick Reference Guide



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<http://www.zebra.com>

Warranty

For the complete Zebra hardware product warranty statement, go to:

<http://www.zebra.com/warranty>.

Introduction

The STB3508/3578 cordless scanner cradle acts as a stand, host communication interface and charger for the LS3578 cordless scanner. It can sit on a desktop or be mounted on a wall.

The STB3578 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 powered 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 STB3578 cradle.



CAUTION LS3478 cordless scanners are incompatible with STB3508/3578 cradles. LS3578 cordless scanners are incompatible with STB3408/3478 cradles.

Equipment Supplied

The cradle package includes:

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

Accessories

The following equipment may be needed:

- Three 1.5" #8 Philips head screws (for wall mounting, if applicable, not available from Zebra).
- Power supply for desk/wall mounting configuration (p/n 50-14000-266R).

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

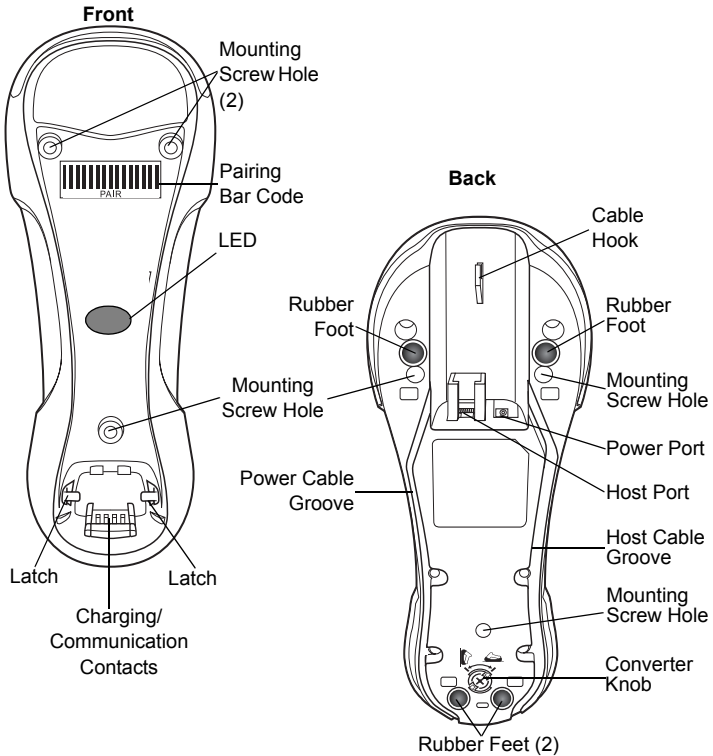
Related Documentation

LS3578 Product Reference Guide, p/n 72-93911-xx.

LS3578 Quick Start Guide, p/n 72-93587-xx.

This documentation is available at: <http://www.zebra.com/support>.

Cradle Parts

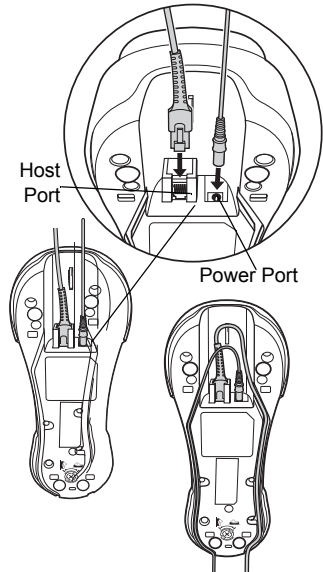


Cradle Connections



IMPORTANT Connect the interface cable and power supply (if necessary) 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. If necessary, 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, if necessary.
5. If applicable, thread the interface cable over the cable support 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). Refer to 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, if required.
5. If necessary, scan the appropriate host bar code (for non-autodetected interfaces). Refer to the *Product Reference Guide*.

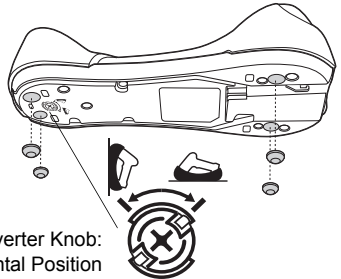


CAUTION If the scanner does not recognize the host, disconnect the power supply, then reconnect after connecting the host cable.

Mounting the Cradle

Horizontal Mount

1. Ensure the desk/wall mount 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.

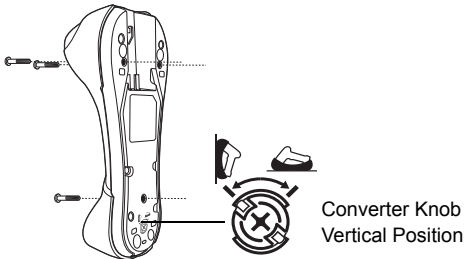


Vertical Mount

✓ **NOTE** Do not use the rubber feet when mounting in a vertical orientation.

To mount the cradle on a vertical surface:

1. Use a Philips screwdriver to turn the desk/wall mount converter knob to the position shown below. The front latches protract to engage the depressions at the base of the scanner's handle.

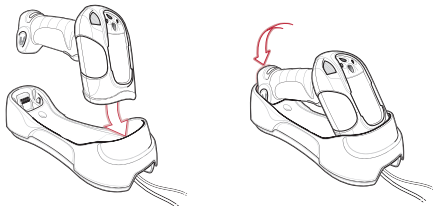


2. Attach the interface and power cables to the appropriate ports (see [Cradle Connections](#)).
3. Press the cables into the cable grooves.
4. Position the cradle on the mounting surface, or use the template included in this guide.
5. Mark the surface through the three holes on the bottom of the cradle, 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.

Inserting the Scanner in the Cradle

To insert the scanner in the cradle:

- Insert the scanner top first. 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 such that the scanner and cradle can exchange information. The STB3578 operates in two modes: scanner-to-cradle and multi scanner-to-cradle. In scanner-to-cradle mode, the scanner is paired to the cradle either by insertion into the cradle (if pairing on insertion is enabled), or by scanning the pairing bar code. In multi scanner-to-cradle mode, up to three scanners can be paired to one cradle. A multipoint bar code must be scanned to activate this feature. Refer to the *Product Reference Guide* for more information. The cradle includes pairing bar codes on both its front and back. To pair the scanner with the cradle, scan a pairing bar code. A high-low-high-low beep sequence followed by a low-high beep sequence indicates successful pairing and connection to the remote device. A long low, long high beep sequence indicates unsuccessful pairing. Refer to the *Product Reference Guide* for more information.

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 applicable. 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, if required.

6. Reestablish pairing with the cradle by scanning the pairing bar code.

✓ **NOTE** The STB3578 does not always require a power supply, depending on the host interface.

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 when the scanner LED indicator starts flashing green. A complete charge of a fully discharged battery can take up to four hours using external power and up to 10 hours using the interface cable.

Scanner LED Indicators

The green LED on the scanner 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 on the scanner begins flashing, indicating a charging problem, remove the scanner from the cradle and replace the battery. If the red LED on the scanner continues flashing, contact a Zebra business Support Center.

Standard Scanner Use LED Sequences

Off	No power applied to scanner (battery is discharged or removed); scanner is in low power and ready to scan.
Green	A bar code was successfully decoded.
Red	A data transmission error; scanner malfunction; or, LS3578 cordless scanner was inserted into an STB3478 cradle.

Charging Use LED Sequences

Green Slow Flash	The scanner charges at the slow rate (used when the cradle is powered by the host cable).
Green Fast Flash	The scanner charges at the fast rate (used when cradle is powered from an external power supply).
Red Flash	Charging problem. Refer to the <i>Product Reference Guide</i> for more information.
Red and Green Flash	Temperature fault.

Using a Host Interface to Supply Power

Some hosts can provide power to the cradle via the host interface, instead of an external power supply.

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.



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

Wall Mount Template

Refer to the English version of this guide (p/n 72-93912-xx) for a wall mount template.

Health and Safety Recommendations

Ergonomic Recommendations

Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

מידע בנושאי תקינה

התקן זה מאושר על-ידי Symbol Technologies, Inc., חברה של Zebra Technologies. כל התקני Zebra מתוכננים בהתאם לתקנות החלות במקומות שהם נמכרים בהם, ויסומנו בתונית כנדרש.

כל שינוי או התאמה שיערכו בציוד מתוצרת Zebra בלא אישור מפורש מאת Zebra עלולים לשלול למשתמש את סמכותו להפעיל את הציוד.

אנטנות: השתמש אך ורק באנטנה המצורפת או באנטנה חלופית שאושרה. אנטנות, שינויים או אביזרים נוספים לא מורשים עלולים לגרום נזק ולהוות הפרה של התקנות.

מודלי רדיו

Zebra STB3578 מכיל מודול רדיו מאושר. פרטי מודול זה מופיעים להלן.
Zebra Bluetooth™ Radio, סוג: LM5452.

התקני Bluetooth

Zebra STB3578 הוא התקן Bluetooth מאושר. זיהוי Bluetooth: B02794.

⚠ הנחיות FCC לחשיפה לקרינת רדיו (RF)

מידע בנושאי בטיחות

התקן זה עומד בדרישות תקנים בינלאומיים העוסקים בקצב הספיגה הסגולי (SAR) – מדידת החשיפה של בני אדם לשדות אלקטרומגנטיים הנוצרים על ידי התקני רדיו.

צמצום ההשפעות של קרינת רדיו (RF) – שימוש נאות

מומלץ להשתמש בהתקן רק במצב התפעול הרגיל ולמנוע קרבה מיותרת בין חלקי הגוף לאנטנה במהלך הפעלת הציוד.

כדי לענות על תקני החשיפה FCC לקרינת רדיו, יש לתפעל את התקן השידור הנייד הזה במרחק מינימלי של 0 ס"מ ומעלה מגוף האדם.

אספקת חשמל

השתמש רק במכשיר רשום של Zebra, מס' סוג 14000-50 (14Vdc-1.5A/5 מינימום) או ב-PWRS-14000 (14Vdc-1.5A/5 מינימום), ספק פלאג-אין ישיר, בסימון Class 2 או (IEC60950, SELV) LPS. שימוש בספק כוח חלופי יגרום לשלילת אישורים כלהם שניתנו להתקן זה ועלול להיות מסוכן.

דרישות בנושא הפרעות תדר רדיו – FCC**משדרי רדיו (חלק 15)**

התקן זה תואם את האמור בחלק 15 של תקנות ה-FCC. התפעול כפוף לשני התנאים הבאים: (1) ההתקן לא יגרום הפרעות מזיקות וכן (2) ההתקן חייב לקבל כל הפרעה נקלטת, לרבות הפרעה העלולה לגרום לתפעול לא רצוי.

**דרישות בנושא הפרעות תדר רדיו – קנדה****משדרי רדיו**

התקן זה תואם את תקן RSS 201 מתוך Industry & Science Canada. התפעול כפוף לשני התנאים הבאים: (1) ההתקן לא יגרום הפרעות מזיקות וכן (2) ההתקן חייב לקבל כל הפרעה נקלטת, לרבות הפרעה העלולה לגרום לתפעול לא רצוי. סימון בתווית: המונח "IC": לפני אישור הרדיו פירושו רק שההתקן עומד במפרט הטכני של Industry Canada.

דרישות בנושא הפרעות תדר רדיו – ברזיל

Declarações Regulamentares para Symbol STB3578 (LMX5452) BRAZIL

NOTA: A marca de certificação se aplica ao Equip. de Radiação Restrita, modelo Symbol STB3578. Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário."

Para maiores consultas sobre ANATEL consulte o site: www.anatel.gov.br

**Eurasian Customs Union**

Евразийский Таможенный Союз

Данный продукт соответствует требованиям знака EAC.



הצהרת תאימות

STB3508:

Zebra מצהירה בזאת שהתקן זה תואם את כל ההנחיות החלות עליו 2014/30/EU, 2014/35/EU ינטרנט הבאההטקסט המלא של הצהרת התאימות של האיחוד האירופי זמין בכתובת הא. 2011/65/EU-
www.zebra.com/doc.

STB3578:

א של הצהרת. הטקסט המל 2011/65/EU ו-2014/53/EU מצהירה בזאת שציוד רדיו זה תואם להנחיה Zebra של הצהרת. התאימות של האיחוד האירופי זמין בכתובת האינטרנט הבאה.
www.zebra.com/doc.

Waste Electrical and Electronic Equipment (WEEE)

Български: За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Zebra за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: <http://www.zebra.com/weee>.

Ceština: Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Zebra k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: <http://www.zebra.com/weee>.

Dansk: Til kunder i EU: Alle produkter skal returneres til Zebra til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: <http://www.zebra.com/weee>.

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Zebra zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter <http://www.zebra.com/weee>.

Ελληνικά: Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Zebra για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση <http://www.zebra.com/weee> στο Διαδίκτυο.

Eesti: EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Zebra'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: <http://www.zebra.com/weee>.

English: For EU Customers: All products at the end of their life must be returned to Zebra for recycling. For information on how to return product, please go to: <http://www.zebra.com/weee>.

Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a Zebra al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: <http://www.zebra.com/weee>.

Français: Clients de l'Union Européenne : Tous les produits en fin de cycle de vie doivent être retournés à Zebra pour recyclage. Pour de plus amples informations sur le retour de produits, consultez : <http://www.zebra.com/weee>.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Zebra al fine di consentirne il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: <http://www.zebra.com/weee>.

Latviešu: ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Zebra atreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Zebra, lūdzu, skatiet: <http://www.zebra.com/weee>.

Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti gražinti utilizuoti į kompaniją „Zebra“. Daugiau informacijos, kaip gražinti gaminį, rasite:

<http://www.zebra.com/weee>.

Magyar: Az EU-ban vásárlóknak: Minden tönkrement termékét a Zebra vállalatához kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalóért látogasson el a <http://www.zebra.com/weee> weboldalra.

Malti: Għal klijenti fl-UE: il-prodotti kollha li jkun u waslu fl-aħħar tal-ħajja ta' l-użu tagħhom, iridu jiġu rritornati għand Zebra għar-riċiklaġġ. Għal aktar tagħrif dwar kif għandek tiritorna l-prodott, jekk jogħġbok żur: <http://www.zebra.com/weee>.

Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Zebra te worden teruggezonden voor recycling. Raadpleeg

<http://www.zebra.com/weee> voor meer informatie over het terugzenden van producten.

Polski: klienci z obszaru Unii Europejskiej: produkty wycofane z eksploatacji należy zwrócić do firmy Zebra w celu ich utylizacji. Informacje na temat zwrotu produktów znajdując się na stronie internetowej <http://www.zebra.com/weee>.

Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Zebra para reciclagem. Para obter informações sobre como devolver o produto, visite: <http://www.zebra.com/weee>.

Românesc: Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Zebra pentru reciclare. Pentru informații despre returnarea produsului, accesați: <http://www.zebra.com/weee>.

Slovenski: Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Zebra za reciklažo. Za informacije o vračilu izdelka obiščite:

<http://www.zebra.com/weee>.

Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Zebra na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: <http://www.zebra.com/weee>.

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Zebra-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteiden palauttamisesta on osoitteessa <http://www.zebra.com/weee>.

Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Zebra för återvinning. Information om hur du returnerar produkten finns på <http://www.zebra.com/weee>.

Türkçe: AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüştürme için Zebra'ya iade edilmelidir. Ürünlerin nasıl iade edileceği hakkında bilgi için lütfen şu adresi ziyaret edin: <http://www.zebra.com/weee>.

Hrvatski: Za kupce u Europskoj uniji: Svi se proizvodi po isteku vijeka trajanja moraju vratiti tvrtki Zebra na recikliranje. Informacije o načinu vraćanja proizvoda potražite na web-stranici: www.zebra.com/weee.

Service Information

If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Zebra Support at: <http://www.zebra.com/support>.

For the latest version of this guide go to: <http://www.zebra.com/support>.



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