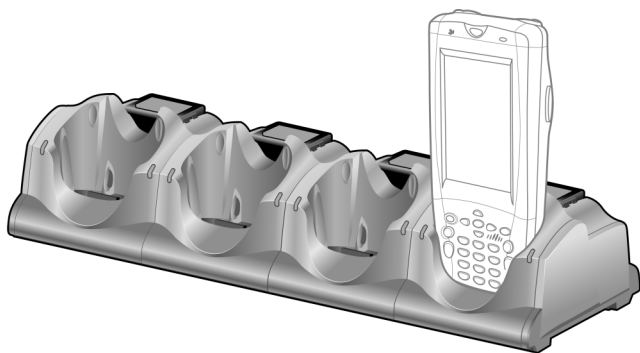


C H S 8 0 0 0 - 4 0 0 0 C / B
C h a r g i n g C r a d l e



symbol®

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One Symbol Plaza
Holtsville, N.Y. 11742-1300
<http://www.symbol.com>

Patents

This product is covered by one or more of the following U.S. and foreign Patents:

U.S. Patent No. 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095;
4,758,717; 4,760,248; 4,806,742; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281;
4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461;
5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149;
5,180,904; 5,216,232; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791;
5,250,792; 5,260,553; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163;
5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,900; 5,324,924; 5,337,361; 5,367,151;
5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140;
5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949;
5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621;
5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,557,093; 5,578,810; 5,581,070; 5,589,679;
5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,627,359; 5,637,852; 5,664,229; 5,668,803;
5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153;
5,742,043; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,789,731;
5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050;
5,848,064; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146;
5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659;
5,946,194; 5,959,285; 6,002,918; 6,021,947; 6,029,894; 6,031,830; 6,036,098; 6,047,892;
6,050,491; 6,053,413; 6,056,200; 6,065,678; 6,067,297; 6,082,621; 6,084,528; 6,088,482;
6,092,725; 6,101,483; 6,102,293; 6,104,620; 6,114,712; 6,115,678; 6,119,944; 6,123,265;
6,131,814; 6,138,180; 6,142,379; 6,172,478; 6,176,428; 6,178,426; 6,186,400; 6,188,681;
6,209,788; 6,209,789; 6,216,951; 6,220,514; 6,243,447; 6,244,513; 6,247,647; 6,308,061;
6,250,551; 6,295,031; 6,308,061; 6,308,892; 6,321,990; 6,328,213; 6,330,244; 6,336,587;
6,340,114; 6,340,115; 6,340,119; 6,348,773; 6,380,949; 6,394,355; D305,885; D341,584;
D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250;
D405,077; D406,581; D414,171; D414,172; D418,500; D419,548; D423,468; D424,035;
D430,158; D430,159; D431,562; D436,104.
Invention No. 55,358; 62,539; 69,060; 69,187, NI-068564 (Taiwan); No. 1,601,796; 1,907,875;
1,955,269 (Japan); European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832;
France 81/03938; Italy 1,138,713
rev. 06/02

Introduction

This guide describes how to set up and use a CHS 8000 four-slot charging cradle with Symbol PDT 8000 Series terminals. The cradles:

- provide power for operating the terminal
- simultaneously re-charge up to four terminal batteries
- simultaneously re-charge up to four spare batteries (CHS 8000-4000B only).

The cradle requires a 12VDC power supply, and provides 12VDC power to an inserted PDT 8000 terminal.

About This Guide

Specific topics in this guide include:

- [*Requirements on page 2*](#)
- [*Parts on page 2*](#)
- [*Power Connection on page 3*](#)
- [*Terminal Battery Charging on page 4*](#)
- [*Spare Battery Charging on page 5*](#)
- [*LED Indicators on page 6*](#)
- [*Troubleshooting on page 7*](#)
- [*Regulatory Information on page 7*](#)
- [*Service Information on backcover.*](#)

For detailed information on any PDT 8000 Series terminal, refer to the *PDT 8000 Series Quick Reference Guide*, p/n 72-58168-xx or *PDT 8000 Series Product Reference Guide*, p/n 72-58169-xx.

Requirements

- for power connection

For U.S Customers

CBL-8000-400U

For International Customers

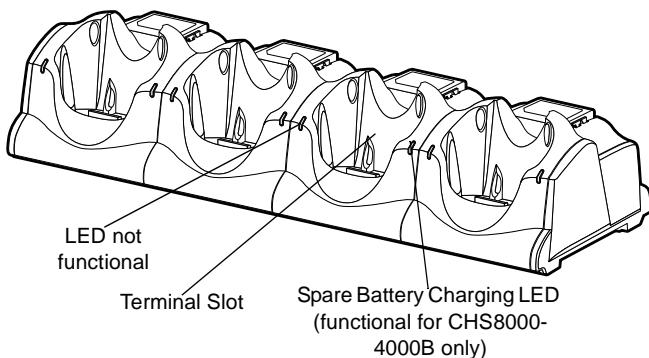
Power Supply, p/n 50-14001-004

DC Cable, p/n 50-16002-029

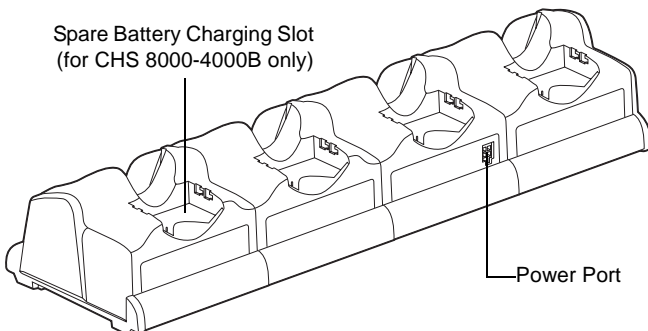
AC Cord, appropriate for your country

Parts

FRONT



BACK



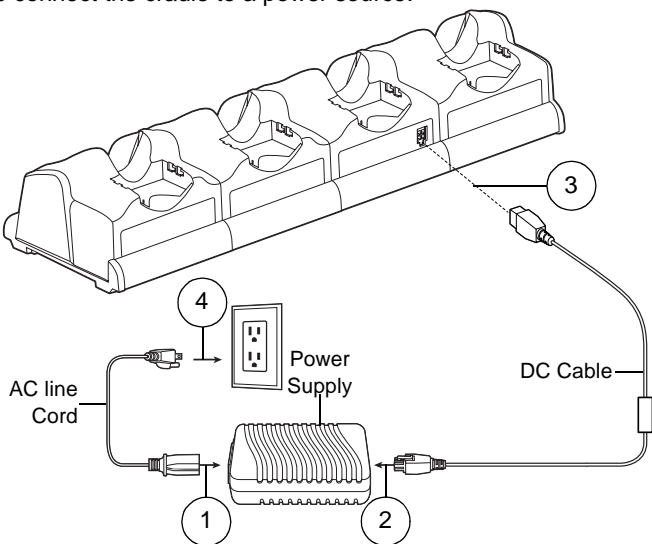
Q u i c k R e f e r e n c e

There is one connection port on the rear of the CHS 8000-4000C and CHS 8000-4000B:

Ports	Function
Power	Used for connecting to the power supply.

Power Connection

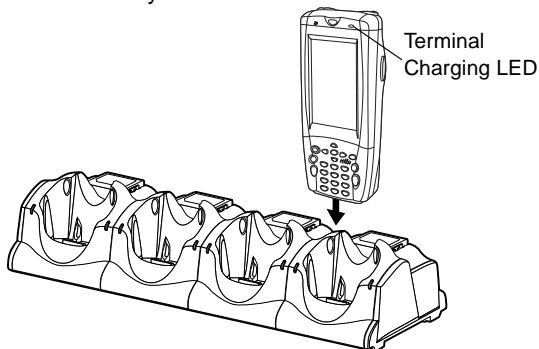
To connect the cradle to a power source:



To see if the cradle has power, insert the terminal. The terminal's charging LED blinks amber to indicate that the battery is charging and turns solid amber when battery is completely charged. See [LED Indicators on page 6](#) for other indications.

Terminal Battery Charging

1. Ensure the cradle is connected to a power source. See [Power Connection on page 3](#).
2. Insert the terminal into the cradle. The terminal starts to charge automatically.

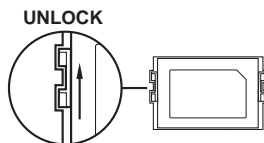


The terminal's charging LED blinks amber to indicate that the battery is charging and turns solid amber when battery is completely charged. The battery fully charges in less than four hours. See [LED Indicators on page 6](#) for other indications.

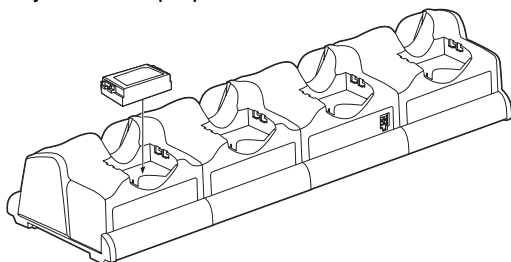
Spare Battery Charging

A spare battery can only be charged using the CHS 8000-4000B four-slot charging cradle.

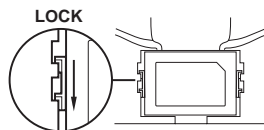
1. Ensure the cradle is connected to a power source. See [Power Connection on page 3](#).
2. Slide the latches on both sides of the battery up, to ensure they are in the unlock position.



3. Insert the battery into the Spare Battery Charging slot on the back of the cradle. Position it with the charging contacts facing down (over charging pins) and gently press down on the battery to ensure proper contact.



4. Lock the battery into place by sliding the latches on the battery down.



The spare battery charging LED blinks amber to indicate that the terminal battery is charging and turns solid amber when the battery is completely charged. The battery fully charges in less than four hours. See [LED Indicators on page 6](#) for other indications.

LED Indicators

LED	Indication
Terminal Charging (LED is on terminal)	
Off	Terminal not in cradle; terminal not placed correctly; cradle is not powered.
Fast Blinking Amber	Error in charging; check placement of terminal.
Slow Blinking Amber	Terminal is charging.
Solid Amber	Charging complete.
Spare Battery Charging (LED is on cradle)	
Off	No spare battery in slot; spare battery not placed correctly; cradle is not powered.
Fast Blinking Amber	Error in charging; check placement of battery.
Slow Blinking Amber	Spare battery is charging.
Solid Amber	Charging complete.

Troubleshooting

Symptom	Cause	Suggested Action
Battery is not charging.	Terminal (or spare battery) was removed from the cradle too soon.	Replace the terminal or spare battery in the cradle. It can take up to four hours to recharge a completely depleted battery pack.
	Battery is faulty.	Replace the battery.
	Terminal (or spare battery) is not inserted correctly into the cradle.	Remove the terminal (or spare battery) and re-insert it correctly. If the battery still does not charge, contact Customer Support. If the terminal is properly inserted, the terminal's charging LED blinks amber to indicate that the battery is charging and turns solid amber when battery is completely charged. If a spare battery has been inserted properly, the spare battery charging LED blinks amber to indicate that the battery is charging and turns solid amber when battery is completely charged.
Terminal charging LED does not light when the terminal is inserted.	Terminal is not seated firmly in the cradle, or the battery is not properly installed in the terminal.	Ensure the battery is properly installed in the terminal, and re-insert the terminal in the cradle.
	The cradle is not receiving power.	Ensure the power supply cable is securely connected on both ends.
Spare battery charging LED does not light when the spare battery is placed in the slot.	Spare battery is not placed correctly.	Remove the battery, wait two minutes, and re-insert the battery.
	The cradle is not receiving power.	Ensure the power supply cable is securely connected on both ends.

Regulatory Information

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.

Power Supply

Note: Use only a Symbol-approved power supply 50-14001-004, output rated 12VDC and minimum 9A. The power supply is certified to EN60950 with SELV outputs.

Hinweis: Benutzen Sie nur eine Symbol Technologies genehmigt Stromversorgung 50-14001-004 in den Ausgabe: 12VDC und minimum 9A. Die Stromversorgung ist bescheinigt nach EN60950 mit SELV Ausgaben.

Radio Frequency Interference Requirements



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This

equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Interference Requirements - FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Marking and European Economic Area (EEA)



Statement of Compliance

Symbol Technologies, Inc., hereby declares that this device is in compliance with all the applicable Directives, 89/336/EEC, 73/23/EEC. A Declaration of Conformity may be obtained from <http://www2.symbol.com/doc/>

Q u i c k R e f e r e n c e

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, integrated installed 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 materials on the repaired component of the Product for a period of thirty (30) days from the shipment date of the repaired Product, or until the end of the original warranty period, whichever is longer.

(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"), or 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 removable data storage media, or the restoration or reinstallation of any software programs or data other than the software, 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 as provided in Section C above, the aforementioned provisions do not extend the original warranty period of any Product that had either been repaired or replaced by Seller.

(F) Warranty Provisions The above warranty provisions shall not apply to any Product (i) which has been repaired, tampered with, altered or modified, except by Seller's authorized service personnel; (ii) in which the defects or damage to the Product result from normal wear and tear, misuse, negligence, improper storage, water or other liquids, battery leakage, use of parts 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 forces or exposure beyond normal use within the specified operational and environmental parameters set forth in the applicable Product specification; nor shall the above warranty provisions apply to any expendable or consumable items, such as batteries, supplied with the Product.

EXCEPT FOR THE WARRANTY OF TITLE AND THE EXPRESS WARRANTIES STATED ABOVE, SELLER DISCLAIMS ALL WARRANTIES ON PRODUCTS FURNISHED 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 TO THE LIMITED WARRANTY PERIOD. SOME STATES OR COUNTRIES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, FOR SUCH PRODUCTS, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY.

The stated express warranties are in lieu of all obligations or liabilities on the part of Seller for damages, including but not limited to, special, indirect or consequential damages arising out of or in connection with the use or performance of the Product 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.

Service Information

Before you use the unit, it must be configured to operate in your 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:

United States ¹	1-800-653-5350 1-631-738-2400	Canada	905-629-7226
United Kingdom	0800 328 2424	Asia/Pacific	+65-6796-9600
Australia	1-800-672-906	Austria/Österreich	1-505-5794-0
Denmark/Danmark	7020-1718	Finland/Suomi	9 5407 580
France	01-40-96-52-21	Germany/Deutschland	6074-49020
Italy/Italia	2-484441	Mexico/México	5-520-1835
Netherlands/Nederland	315-271700	Norway/Norge	+47 2232 4375
South Africa	11-8095311	Spain/España	91 324 40 00 Inside Spain
Sweden/Sverige	84452900		+34 91 324 40 00 Outside Spain
Latin America Sales Support	1-800-347-0178 Inside US +1-954-255-2610 Outside US		
Europe/Mid-East Distributor Operations	Contact local distributor or call +44 118 945 7360		

¹Customer support is available 24 hours a day, 7 days a week.

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



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Revision A — March 2003