DISCLAIMER

Datalogic has taken reasonable measures to provide information in this manual that is complete and accurate, however, Datalogic reserves the right to change any specification at any time without prior notice. Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U. All other brand and product names may be trademarks of their respective owners.

PATENTS

This product is covered by US Pat. 7,948,214 B2. Additional patents pending.

SERVICE AND SUPPORT

Datalogic provides several services as well as technical support through its website. Log on to **www.datalogic.com** and click on the links indicated for further information including:

- **PRODUCTS**
  Search through the links to arrive at your product page where you can download specific **Manuals** and **Software & Utilities** including:
  - **Datalogic Aladdin™**, a multi-platform utility program that allows device configuration using a PC. It provides RS-232 interface configuration as well as configuration barcode printing.
- **SERVICE & SUPPORT**
  - **Technical Suppor**t - Product documentation and programming guides and Technical Support Department in the world
  - **Service Programs** - Warranty Extensions and Maintenance Agreements
  - **Repair Services** - Flat Rate Repairs and Return Material Authorization (RMA) Repairs.
  - **Downloads** – Manuals & Documentation, Data Sheets, Product Catalogues, etc.
- **CONTACT US**
  Information Request Form and Sales & Service Network

UPDATES AND LANGUAGE AVAILABILITY

UK/US
The latest drivers and documentation updates for this product are available on the Internet.
Log on to: www.datalogic.com

I
Su Internet sono disponibili le versioni aggiornate di driver e documentazione di questo prodotto.
Collegarsi a: www.datalogic.com

D
Im Internet finden Sie die aktuellsten Versionen der Treiber und Dokumentation für dieses Produkt.
Adresse : www.datalogic.com

F
Les versions mises à jour de drivers et documentation de ce produit sont disponibles sur Internet.
Cliquez sur : www.datalogic.com

E
En Internet están disponibles las versiones actualizadas de los drivers y documentación de este producto.
Dirección Internet : www.datalogic.com

◇DATALOGIC

CHR-PM80

BATTERY CHARGER

QUICK REFERENCE GUIDE

China RoHS

PART	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Hexavalent Chromium (Cr(VI)) 六价铬	Polybrominated biphenyls (PBB) 多溴联苯	Polybrominated diphenyl ethers (PBDE) 多溴二苯醚
部件名称				有毒有害物质或元素		
Printed Circuit Board Assembly 电路板组件	X	O	O	O	O	O
Assy. Module 光学组件	X	O	O	O	O	O

O: 代表此种部件的所有均质材料中所含的该种有毒有害物质均低于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》(SJ/T 11363-2006) 规定的限量。

X: 代表此种部件所用的均质材料中，至少有一类材料其所含的有毒有害物质高于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》(SJ/T 11363-2006) 规定的限量。

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SYSTEM CONNECTIONS

⚠ **CAUTION**

Connections should always be made with power off!

Apply power to the CHR-PM80 by connecting a power supply unit to the connector on the rear panel of the battery charger. CHR-PM80 is ready to charge PowerScan™ M8300 laser readers.

SERIAL CONFIGURATION OPTIONS

In addition to the battery charge function, CHR-PM80 can be connected to a PC by means of an RS-232/USB interface to send new configuration strings from the PC to the scanner, to upgrade application software onto the PowerScan™ M8300 reader or optionally when performing the copy configuration procedure.

RS-232/USB
Interface
Connector

Power Supply

To proceed with these operations, connect an RS-232 or USB cable between CHR-PM80 and the PC. Connect the power supply to CHR-PM80. Insert the PowerScan™ M8300 reader into the battery charger.

COMPLIANCE

POWER SUPPLY
This device is intended to be supplied by a UL Listed/CSA Certified Power Unit marked "Class 2" or LPS power source rated 10-30 V DC, minimum 1 A, which supplies power directly to the device.

FCC COMPLIANCE

Modifications or changes to this equipment without the expressed written approval of Datalogic could void the authority to use the equipment.

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 which may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WEEE COMPLIANCE

For information about the disposal of Waste Electrical and Electronic Equipment (WEEE), please refer to the website at **www.datalogic.com**.

USING CHR-PM80 BATTERY CHARGER

CHR-PM80 is a battery charger for PowerScan™ M8300 laser readers.

The LEDs signal the CHR-PM80 status, as described in the following table:

LED	STATUS
Aux	Yellow On = CHR-PM80 is powered through an external power supply. Yellow Blinking = CHR-PM80 transmission occurs over the Host port.
Host	Yellow On = CHR-PM80 is powered by the Host. Yellow Blinking = CHR-PM80 transmission occurs over the Host port.
Reader	Green On = the reader battery is completely charged. Red On = the reader battery is charging. Orange Blinking = reader battery fault – replace battery. Red / Green Alternatively Blinking = charging error – see Ref. Manual
Spare*	Green On = the spare battery is completely charged. Red On = the spare battery is charging. Orange Blinking = spare battery fault – replace battery. Red / Green Alternatively Blinking = charging error – see Ref. Manual

- This LED refers to the accessory SBS-8000 Spare Battery Slot when mounted to the CHR-PM80.

◇DATALOGIC *PowerScan*
AUX
HOST
READER
SPARE

Figure 1 – CHR-PM80 Overview   **Figure 2 – CHR-PM80 LEDs**

TECHNICAL FEATURES

Electrical Features	
Supply voltage	
External Power	10..30 VDC
Host Power	5 VDC ±10%
Power consumption	
External Power	max. 10 W (charging) *
Host Power	max. 500 mA (charging)
Indicators	Ext. Power/Data **yellow** LED USB power/data **yellow** LED Reader batt. state **green/red** LED Spare batt. state **green/red** LED **beeper**
Time of recharge	
External Power	max. 4 hours with 2150 mAh Li-Ion battery
Host Power	max. 10 hours with 2150 mAh Li-Ion battery
Environmental Features	
Working Temperature	0° to +40 °C / +32° to +104 °F
Storage Temperature	-20° to +70 °C / -4° to +158 °F
Humidity	90% non condensing
Protection Class	IP40
Mechanical Features	
Weight	204 x 108 x 95 mm / 9.44 x 4.25 x 3.74 in
Cable Length	2 m (6 ft 6 in)
Material	ABS

* Having a switching regulator inside, the CHR-PM80 draws the same power, regardless of the supply voltage. I.e., as the input voltage increases, the current drawn decreases.

INSTALLATION

The CHR-PM80 can be mounted for portable or fixed desktop usage, or it can be fixed to a wall. The horizontal base allows portable and fixed desktop usage, while the inclined base provides desktop and wall mounting guaranteeing a comfortable handling of the PowerScan™ M8300 reader.

The cradle package contains the following items:

CHR-PM80	1 horizontal base
CHR-PM80 Quick Reference Guide	1 inclined base
2 adhesive strips	2 wall-mounting lock hinges
4 rubber feet	

DESKTOP MOUNTING

Rubber Foot Seat (4)
Mounting Tabs (4)
Adhesive Strip Seat (2)
Mounting Holes (2)
Cable Channels

Figure 3 - Horizontal Base Front and Bottom View

Adhesive Strip Seat (2)
Mounting Tabs (4)
Cable Channels
Mounting Holes (4)
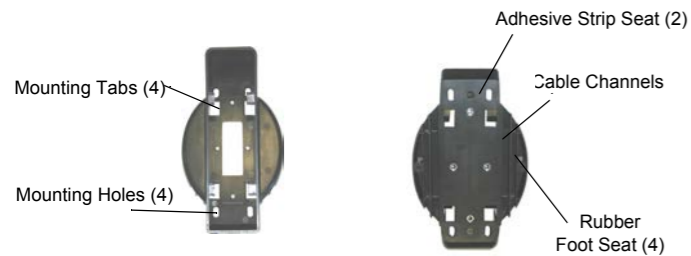Rubber Foot Seat (4)

Figure 4 - Inclined Base Front and Bottom View

Portable Desktop Use

1. Correctly position the CHR-PM80 onto the base by sliding it along the mounting tabs until aligned.

2. Carefully clean the rubber foot seats of the base to remove any impurities that could reduce adhesion.

3. Remove the protective plastic from the rubber feet and stick them onto the bottom surface of the base.

Fixed Desktop Use

For fixed desktop installation, use the adhesive strips or fixing screws (not provided) according to your needs.

For mounting with adhesive strips:

1. Position the cradle onto the base by sliding it along the mounting tabs until aligned.

2. Carefully clean the adhesive strip seats of the base to remove any impurities that could reduce adhesion.

3. Remove the protective plastic from one side of the adhesive strips and stick them onto the base surface.

4. Position the cables to be connected to the C-8000 cradle along the dedicated channels.

5. Remove the plastic from the other side of the strips and affix the base to the table.

For mounting with screws:

1. Position the cables to be connected to the C-8000 cradle along the dedicated channels.

2. Position the base on the table and affix it by means of the screws (not provided).

3. Position the cradle on the base by sliding it along the mounting tabs until aligned.

WALL MOUNTING

1. Remove the yellow caps and insert the two wall mounting lock hinges provided with your cradle.

2. Position the cables to be connected to the C-8000 cradle along the dedicated channels.

If using the **adhesive strips**:

3. Carefully clean the adhesive strip seats of the base to remove any impurities that could reduce adhesion.

4. Remove the protective plastic from one side of the adhesive strips and stick them onto the base surface.

5. Remove the plastic from the other side of the strips and affix the base to the wall as indicated in the figure below.

If using the **mounting screws**:

3. Using the mounting holes on the base as a pattern, mark the wall where you desire to mount the CHR-PM80.

4. Drill the appropriate size holes and insert the threaded dowels (not provided) into the holes.

5. Position the base on the wall as indicated in the figure below and affix it by means of the screws (not provided).

Inclined Base Wall-mounting

6. Attach the cradle onto the base by sliding it along the mounting tabs until aligned.

DATALOGIC ADC LIMITED FACTORY WARRANTY

Warranty Coverage

Datalogic warranties this product against defects in workmanship and materials, for a period of 3 years from the date of shipment, provided that the product is operated under normal and proper conditions.

Datalogic ADC ("Datalogic") hardware products are warranted against defects in material and workmanship under normal and proper use. The liability of Datalogic under this warranty is limited to furnishing the labor and parts necessary to remedy any defect covered by this warranty and restore the product to its normal operating condition. Repair or replacement of product during the warranty does not extend the original warranty term. Products are sold on the basis of specifications applicable at the time of manufacture and Datalogic has no obligation to modify or update products once sold.

If Datalogic determines that a product has defects in material or workmanship, Datalogic shall, at its sole option repair or replace the product without additional charge for parts and labor, or credit or refund the defective products duly returned to Datalogic. To perform repairs, Datalogic may use new or reconditioned parts, components, subassemblies or products that have been tested as meeting applicable specifications for equivalent new material and products. Customer will allow Datalogic to scrap all parts removed from the repaired product. The warranty period shall extend from the date of shipment from Datalogic for the duration published by Datalogic for the product at the time of purchase (Warranty period). Datalogic warrants repaired hardware devices against defects in workmanship and materials on the repaired assembly for a 90 day period starting from the date of shipment of the repaired product from Datalogic or until the expiration of the original warranty period, whichever is longer. Datalogic does not guarantee, and it is not responsible for, the maintenance of, damage to, or loss of configurations, data, and applications on the repaired units and at its sole discretion can return the units in the "factory default" configuration or with any software or firmware update available at the time of the repair (other than the firmware or software installed during the manufacture of the product). Customer accepts responsibility to maintain a back up copy of its software and data.

Warranty Claims Process

In order to obtain service under the Factory Warranty, Customer must notify Datalogic of the claimed defect before the expiration of the applicable Warranty period and obtain from Datalogic a return authorization number (RMA) for return of the product to a designated Datalogic service center. If Datalogic determines Customer's claim is valid, Datalogic will repair or replace product without additional charge for parts and labor. Customer shall be responsible for packaging and shipping the product to the designated Datalogic service center, with shipping charges prepaid. Datalogic shall pay for the return of the product to Customer if the shipment is to a location within the country in which the Datalogic service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations. Failure to follow the applicable RMA policy, may result in a processing fee. Customer shall be responsible for return shipment expenses for products which Datalogic, at its sole discretion, determines are not defective or eligible for warranty repair.

Warranty Exclusions

The Datalogic Factory Warranty shall not apply to:

(i) any product which has been damaged, modified, altered, repaired or upgraded by other than Datalogic service personnel or its authorized representatives;

(ii) any claimed defect, failure or damage which Datalogic determines was caused by faulty operations, improper use, abuse, misuse, wear and tear, negligence, improper storage or use of parts or accessories not approved or supplied by Datalogic;

(iii) any claimed defect or damage caused by the use of product with any other instrument, equipment or apparatus;

(iv) any claimed defect or damage caused by the failure to provide proper maintenance, including but not limited to cleaning the upper window in accordance with product manual;

(v) any defect or damage caused by natural or man-made disaster such as but not limited to fire, water damage, floods, other natural disasters, vandalism or abusive events that would cause internal and external component damage or destruction of the whole unit, consumable items;

(vi) any damage or malfunctioning caused by non-restoring action as for example firmware or software upgrades, software or hardware reconfigurations etc.;

(vii) the replacement of upper window/cartridge due to scratching, stains or other degradation and/or

(viii) any consumable or equivalent (e.g., cables, power supply, batteries, keypads, touch screen, triggers etc.).

No Assignment

Customer may not assign or otherwise transfer its rights or obligations under this warranty except to a purchaser or transferee of product. No attempted assignment or transfer in violation of this provision shall be valid or binding upon Datalogic

DATALOGIC'S LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ORAL OR WRITTEN, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. DATALOGIC SHALL NOT BE LIABLE FOR ANY DAMAGES SUSTAINED BY CUSTOMER ARISING FROM DELAYS IN THE REPLACEMENT OR REPAIR OF PRODUCTS UNDER THE ABOVE. THE REMEDY SET FORTH IN THIS WARRANTY STATEMENT IS THE CUSTOMER'S SOLE AND EXCLUSIVE REMEDY FOR WARRANTY CLAIMS. UNDER NO CIRCUMSTANCES WILL DATALOGIC BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY LOST PROFITS, OR ANY INCIDENTAL, CONSEQUENTIAL IN-DIRECT, SPECIAL OR CONTINGENT DAMAGES REGARDLESS OF WHETHER DATALOGIC HAD ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.

Risk of Loss

Customer shall bear risk of loss or damage for product in transit to Datalogic. Datalogic shall assume risk of loss or damage for product in Datalogic's possession. In the absence of specific written instructions for the return of product to Customer, Datalogic will select the carrier, but Datalogic shall not thereby assume any liability in connection with the return shipment.

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www.datalogic.com

DECLARATION OF CONFORMITY

CE 13

Datalogic ADC Srl, Via S. Vitalino, 13
Lippo di Calderara di Reno (BO) 40012 Italy

EC-104
Rev.: 0
Pag.: 1 di 1

La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva di Datalogic ADC Srl per:
This Declaration of Conformity is issued under the sole responsibility of Datalogic ADC Srl for:
Cette déclaration de conformité est établie sous la seule responsabilité de Datalogic Srl pour:
Diese Konformitätserklärung wird unter der alleinigen Verantwortung des Datalogic ADC Srl erteilt für:
Esta declaración de conformidad se expide bajo la exclusiva responsabilidad de Datalogic ADC Srl para:

CHR-PM80 ; Charger Only Base

e tutti i suoi modelli
and all its models
et tous ses modèles
und seine Modelle
y todos sus modelos

sono conformi alle Direttive del Consiglio Europeo sottoelencate:
are in conformity with the requirements of the European Council Directives listed below:
sont conformes aux spécifications des Directives de l'Union Européenne ci-dessous:
den nachstehenden angeführten Direktiven des Europäischen Rats:
cumple con los requisitos de las Directivas del Consejo Europeo, según la lista siguiente:

2004/108/EC – EMC Directive
2011/65/EU – RoHS Directive

Basate sulle legislazioni degli Stati membri in relazione alla compatibilità elettromagnetica ed alla sicurezza dei prodotti.
On the approximation of the laws of Member States relating to electromagnetic compatibility and product safety.
Basée sur la législation des Etats membres relative à la compatibilité électromagnétique et à la sécurité des produits.
Über die Annäherung der Gesetze der Mitgliedsstaaten in bezug auf elektromagnetische Verträglichkeit und Produktsicherheit entsprechen.
Basado en la aproximación de las leyes de los Países Miembros respecto a la compatibilidad electromagnética y las Medidas de seguridad relativas al producto.

Questa dichiarazione è basata sulla conformità dei prodotti alle norme seguenti:
This declaration is based upon compliance of the products to the following standards:
Cette déclaration repose sur la conformité des produits aux normes suivantes:
Diese Erklärung basiert darauf, daß das Produkt den folgenden Normen entspricht:
Esta declaración se basa en el cumplimiento de los productos con las siguientes normas:

EN 55022 (CLASS B ITE), SEPTEMBER 2006: AMMENDMENT A1: OCTOBER 2007:	LIMITS AND METHODS OF MEASUREMENTS OF RADIO DISTURBANCE CHARACTERISTICS OF INFORMATION TECHNOLOGY EQUIPMENT
EN 55024, SEPTEMBER 1998: AMENDMENT A1:2001+A2:2003:	INFORMATION TECHNOLOGY EQUIPMENT - IMMUNITY CHARACTERISTICS LIMITS AND METHODS OF MEASUREMENT
EN 50581, SEPTEMBER 2012:	TECHNICAL DOCUMENTATION FOR THE ASSESSMENT OF ELECTRICAL AND ELECTRONIC PRODUCTS WITH RESPECT TO THE RESTRICTION OF HAZARDOUS SUBSTANCES

Lippo di Calderara, March29th , 2013

Ruggero Cacioppo
Quality & Reliability Manager - Europe