OM-GRYPHON SERIES
RADIO CRADLE

Quick Reference

Installazione Rapida

Manuel d'Installation Rapide

Schnellinstallation

Manual De Instalación Rápida

DATALOGIC L
Bar Code & More

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déclare que le
bescheinigt, daß das Gerät
declare que el

OM-GRYPHON, Base Charger

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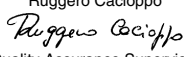und seine modelle
y todos sus modelos

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 entsprechen:
cumple con los requisitos de las Directivas del Consejo Europeo, según la lista siguiente:

1999/5/EEC R&TTE

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 60950, October 1996: SAFETY OF INFORMATION TECHNOLOGY EQUIPMENT, INCLUDING ELECTRICAL BUSINESS EQUIPMENT

ETS 300 683, June 1997: RADIO EQUIPMENT AND SYSTEMS (RES); ELECTROMAGNETIC COMPATIBILITY (EMC) STANDARD FOR SHORT RANGE DEVICES (SRD) OPERATING ON FREQUENCIES BETWEEN 9 KHZ AND 25 GHZ

ETS 300 220-1, November 1997: ELECTROMAGNETIC COMPATIBILITY AND RADIO SPECTRUM MATTERS (ERM); SHORT RANGE DEVICES; TECHNICAL CHARACTERISTICS AND TEST METHODS FOR RADIO EQUIPMENT TO BE USED IN THE 25 MHZ TO 1000 MHZ FREQUENCY RANGE WITH POWER LEVELS RANGING UP TO 500 MW; PART 1: PARAMETERS INTENDED FOR REGULATORY PURPOSES

Lippo di Calderara, 13.03.2001

Ruggero Cacioppo

Ruggero Cacioppo

Quality Assurance Supervisor

CE0523 ①

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SERVICES AVAILABLE AT OUR WEB SITE:

By completing the electronic form at our website, **www.datalogic.com/hhd/gryphon_utilities.htm**, you have free access to download the following items:

- **WinSetPlus™**
  WinSetPlus™ is a Windows-based utility program which allows device configuration using a PC. It provides RS232 interface configuration as well as configuration barcode printing.

- **Loader:**
  The Loader utility program is necessary to load the application software (upgrades) onto your reader.

- **Software Upgrades:**
  Future software upgrades allow your reader to be updated with the latest improvements.

These items are also available from your local Datalogic distributor.

USING OM-GRYPHON RADIO CRADLE

The OM-GRYPHON cradle, paired with one Gryphon™ series reader, builds a Cordless Reading System for the collection, decoding and transmission of barcoded data.

It can be connected to a Host PC through an RS232, Wedge or Pen emulation cable and is suited for a single-cradle layout.

Once it is powered, the yellow LED goes on. It will blink, only when the cradle receives data from the gun. The red LED indicates the battery is charging. Once the battery is charged, the green LED on the cradle goes on.

Reconditioning battery button

Charging (red LED)

Power on / Data (yellow LED)

Charge completed (green LED)
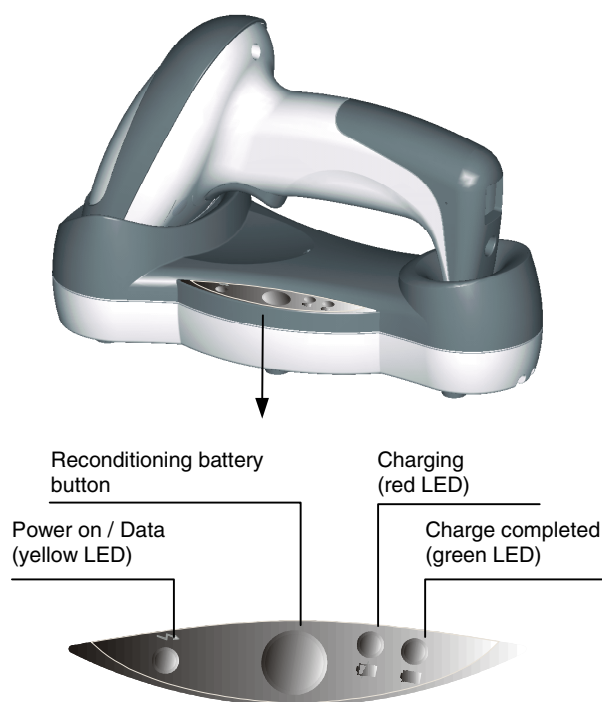
To setup your OM-GRYPHON cradle you must:

1.   Make all system connections.

2.   Configure the OM-GRYPHON cradle.

SYSTEM CONNECTIONS

CAUTION

Connections should always be made with power OFF!

You can connect the OM-GRYPHON cradle to the Host through the dedicated connector, using the cable corresponding to the desired interface type.

CONNECTING / DISCONNECTING THE OM-GRYPHON INTERFACE CABLE

The OM-GRYPHON can be connected to a Host by means of an RS232, Wedge or Pen emulation cable which must be simply plugged into the Host connector, placed on the base of the cradle. In addition the cradle must be connected to an external power supply, see the figure below.

Host Interface Cable

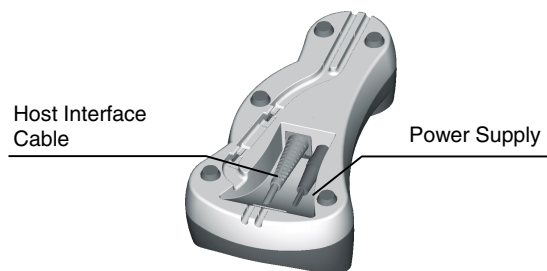Power Supply

Figure 1 – OM-GRYPHON - Bottom view

To disconnect the cable, insert a paper clip or other similar object into the hole corresponding to the Host connector on the body of the cradle. Push down on the clip while unplugging the cable. Refer to the following figure:
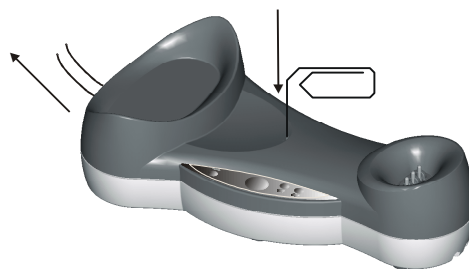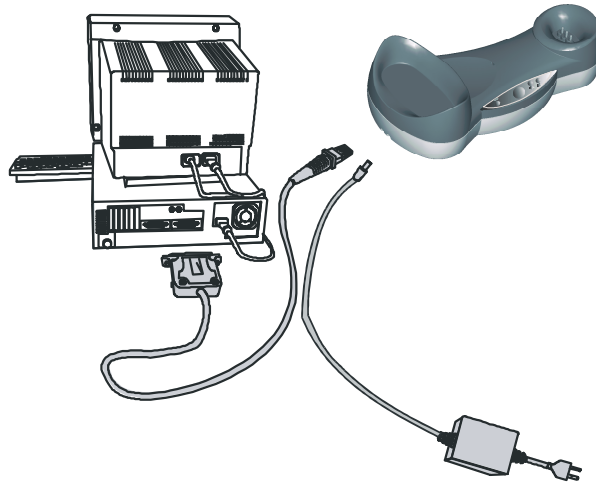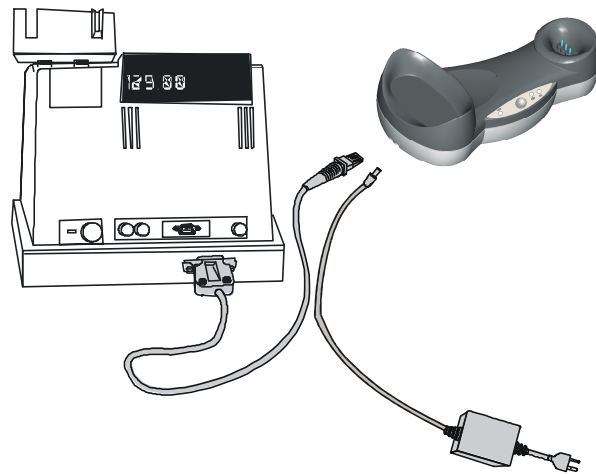
Figure 2 – OM-GRYPHON - Disconnecting the cable.

RS232 CONNECTION

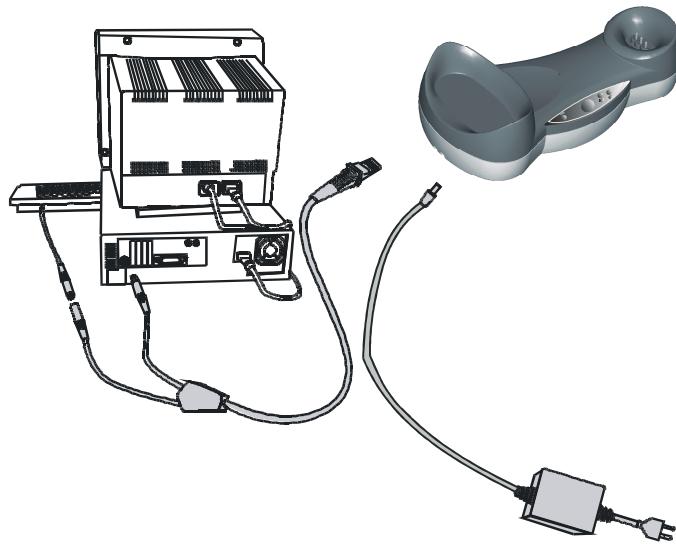**PEN CONNECTION**

WEDGE CONNECTION

OM-GRYPHON CONFIGURATION

The OM-GRYPHON configuration can be performed in two ways: either by reading configuration barcodes with the Gryphon™ reader or by sending configuration strings from the Host via the RS232 interface.

Once you have performed system connection and Gryphon™ reader configuration, you can configure the OM-GRYPHON cradle. **Apply power to the OM-GRYPHON.**

For the Gryphon™ configuration refer to the "Gryphon™ Quick Reference".

To configure the OM-GRYPHON using the Gryphon™ reader (the one paired to the cradle with the **Bind** command), follow the given sequence and the instructions.

1. **Read** the OM-GRYPHON restore default code:

Restore OM-GRYPHON default

||| ||| | ||| ||| ||| ||| | ||| | |||

2. Among the following interface selection codes, read **only the code that suits your application**:

RS232 Interface

PEN Interface

WEDGE Interface

IBM AT or PS/2 PCs

||||||||||||||||||||||||||||||||

IBM XT

||||||||||||||||||||||||||||||

PC Notebook

||||||||||||||||||||||||||||||

IBM SURE1

||||||||||||||||||||||||||||||

IBM Terminal 3153

||||||||||||||||||||||||||||||

WEDGE Interface (continued)

IBM Terminals

IBM Terminals 31xx, 32xx, 34xx, 37xx:
read **the correct Key Transmission** code:

make-only keyboard

make-break keyboard

read the **Keyboard Type** code, if necessary:

advanced keyboard

typewriter keyboard

The following interface selection allows barcodes sent to the PC to be interpreted correctly independently from the Keyboard Nationality used. **You do not need to make a Keyboard Nationality selection.**

(default = Num Lock Unchanged)

Make sure the Num Lock key on your keyboard is ON.

IBM AT - ALT mode

PC Notebook - ALT mode

WEDGE Interface (continued)

Wyse Terminals

ANSI Keyboard

PC Keyboard

ASCII Keyboard

VT220 style Keyboard

Digital Terminals

VT2xx/VT3xx/VT4xx

APPLE

APPLE ADB Bus

WEDGE KEYBOARD NATIONALITY

If you selected the **Wedge** interface, you should also read among the following codes **the one** that matches your **Keyboard Nationality**:

English

|||||||||||||||||||||||||||||||

Deutsch

|||||||||||||||||||||||||||||||

Svenskt

|||||||||||||||||||||||||||||||

Français

|||||||||||||||||||||||||||||||

Italiano

|||||||||||||||||||||||||||||||

USA

|||||||||||||||||||||||||||||||

Español

|||||||||||||||||||||||||||||||

Belge

|||||||||||||||||||||||||||||||

OPERATING TEST

Read the TEST codes below

EAN-8

`1 2 3 4  5 6 7 0`

EAN-13

`1  2 3 4 5 6 7  0 0 0 9 9 2`

Code 39 (Normal)

`1    7    1    6    2`

Code 128

`t    e    s    t`

Interleaved 2 of 5

`0 1 2 3 4 5 6 7 8 4`

PDF417

DATALOGIC PDF417 Test Code

YOUR SYSTEM IS NOW READY TO READ BARCODES ACCORDING TO THE DEFAULT CONFIGURATION AND TO SEND THE DATA TO THE HOST.

OM-GRYPHON DEFAULT CONFIGURATION

RS232 DEFAULT SETTINGS

9600 baud, parity disabled, 8 data bits, 1 stop bit, handshaking disabled, delay disabled, 5 sec. rx timeout

PEN DEFAULT SETTINGS
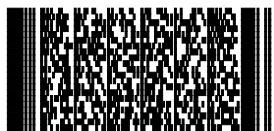
output level normal, idle level normal, minimum output pulse 600µs, overflow medium

WEDGE DEFAULT SETTINGS

USA keyboard, caps lock off, num lock off, delays disabled

CRADLE OPERATING PARAMETERS

No header, terminator: RS232 = CR-LF; WEDGE = CR

INFORMATION TO THE USERS

DC supply voltage in the range 9 to 28 V DC, intended to be powered by a Class 2 power unit with a cable length <3 m.

This device must be opened by qualified personnel only.

> **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 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.

Contact the competent authority responsible for the management of radio frequency devices of your country to verify the eventual necessity of a user license.
Refer to the web site http://europa.eu.int/comm/enterprise/rtte/spectr.htm for further information.

WARRANTY

Datalogic warranties this product against defects in workmanship and materials, for a period of 24 months from the date of shipment, provided that the product is operated under normal and proper conditions.

Datalogic has the faculty to repair or replace the product, these provisions do not prolong the original warranty term.
The warranty does not apply to any product that has been subject to misuse, accidental damage, unauthorized repair or tampering.

TECHNICAL FEATURES

OM-GRYPHON		
Electrical Features		
Supply voltage	9..28 Vdc	
Power consumption	max. 8 W (charging) *	
Indicators	Battery charging (red) Charge completed (green) Power / Data (yellow)	
Time of recharge	NiMh / NiCd batteries: 3 hours max	
Radio Features	European Models	USA MODELS
Working Frequency	433.92 Mhz	910 Mhz
Bit rate	19200 baud	36800 baud
Effective Radiated Power	<10 mW	<1 mW
Range (in open air)	30 m.	15 m.
RF Modulation	FSK	
Max number of devices in the same reading area	2000	
Environmental Features		
Working temperature	0 to +40 °C	
Storage temperature	-20 to +70 °C	
Humidity	90 % non condensing	
Protection class	IP30	
Mechanical Features		
Weight	about 250 g.	
Dimensions	208 x 107 x 55.5 mm	
Material	ABS	

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