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- **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, which allows device configuration using a PC. It provides RS232/USB-COM interface configuration as well as configuration barcode printing.
- **SERVICES & SUPPORT**
  - **Datalogic Services** - Warranty Extensions and Maintenance Agreements
  - **Authorised Repair Centres**
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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.

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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 alla Direttiva del Consiglio Europeo sottoelencata:
are in conformity with the requirements of the European Council Directive listed below:
sont conformes aux spécifications de la Directive de l'Union Européenne ci-dessous:
der nachstehenden angeführten Direktive des Europäischen Rats entsprechen:
cumple con los requisitos de la Directiva 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:

ETSI EN 301 489-3 v1.4.1, August 2002:	Electromagnetic Compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 KHz and 40 GHz
ETSI EN 300 220-3 v1.1.1, September 2000:	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1000 MHz frequency range with power levels ranging up to 500 mW; Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive
EN 60950-1, December 2001:	Information technology equipment – Safety – Part 1: General requirements

March 1st, 2007

DATALOGIC™

OM-Gryphon™

QUICK REFERENCE GUIDE

820001461eng (Rev. C) 9/07

UPDATES AND LANGUAGE AVAILABILITY

UK/US

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

I

Su Internet sono disponibili le versioni aggiornate di driver e documentazione di questo prodotto. Questo manuale è disponibile anche nella versione italiana.
Collegarsi a: www.scanning.datalogic.com

F

Les versions mises à jour de drivers et documentation de ce produit sont disponibles sur Internet. Ce manuel est aussi disponible en version française.
Cliquez sur : www.scanning.datalogic.com

D

Im Internet finden Sie die aktuellsten Versionen der Treiber und Dokumentation für dieses Produkt. Die deutschsprachige Version dieses Handbuches ist auch verfügbar.
Adresse : www.scanning.datalogic.com

E

En Internet están disponibles las versiones actualizadas de los drivers y documentación de este producto. También está disponible la versión en español de este manual.
Dirección Internet : www.scanning.datalogic.com

SYSTEM CONNECTIONS

CAUTION

Connections should always be made with power off!

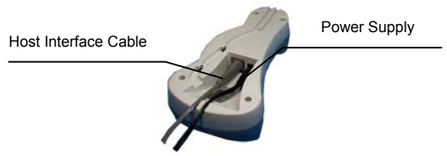
Avoid touching the charging contacts since this may result in reduced base station performance.

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

CONNECTING AND DISCONNECTING THE INTERFACE CABLE

To connect the OM-Gryphon™:

1. Connect the OM-Gryphon™ to the appropriate interface cable, which must be simply plugged into the Host connector on the base of the cradle.
2. Connect the cradle to an external power supply, see the figure below.

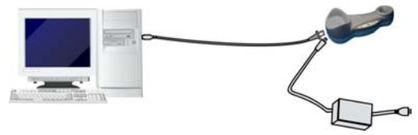


OM-Gryphon™ - Bottom View

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:

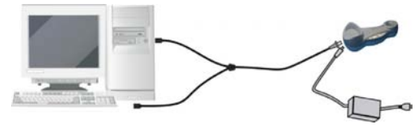
OM-Gryphon™ - Disconnecting the Cable

USB



RS232

WEDGE



PEN

OM-GRYPHON™ CONFIGURATION

Once you have performed system connection, you can configure the OM-Gryphon™ cradle using the Gryphon™ M reader (the one paired to the cradle with the **Bind** command). Select one of the interface codes according to your application. For the Gryphon™ Mx30 configuration, refer to the "Gryphon™ Mx30 Quick Reference".

COMPLIANCE

This device must be opened by qualified personnel only.

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 device contains FCC ID U40015.

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 9-28 V DC, minimum 0.8 A which supplies power directly to the cradle.

RADIO COMPLIANCE

Contact the competent authority responsible for the management of radio frequency devices of your country to verify any possible restrictions or licenses required.
Refer to the web site http://europa.eu.int/comm/enterprise/rtte/spectr.htm for further information.

WEEE COMPLIANCE

DEFAULT VALUES

USB-KBD DEFAULT SETTINGS

USA keyboard, FIFO enabled, inter-character and inter-code delays disabled, USB keyboard speed normal.

DATA FORMAT: code identifier disabled, code length not transmitted, no header, terminator = ENTER, character replacement disabled, address stamping disabled, address delimiter disabled.

RS232 Standard DEFAULT SETTINGS

9600 baud, no parity, 8 data bits, 1 stop bit, no handshaking, inter-character delay disabled, rx timeout 5 sec., ACK/NACK disabled, FIFO enabled, serial trigger lock disabled.

DATA FORMAT: code identifier disabled, code length not transmitted, no header, terminator = CR-LF, character replacement disabled, address stamping disabled, address delimiter disabled.

WEDGE DEFAULT SETTINGS

USA keyboard, caps lock off, caps lock auto-recognition enabled, num lock unchanged, inter-character and inter-code delays disabled.

DATA FORMAT: code identifier disabled, code length not transmitted, no header, terminator = ENTER, character replacement disabled, address stamping disabled, address delimiter disabled.

PEN DEFAULT SETTINGS

Interpret operating mode, minimum output pulse 600 µs, conversion to Code 39, overflow medium, output level normal, idle level normal, inter-block delay disabled.

RADIO PARAMETERS

battery type NiMh

TECHNICAL FEATURES

OM-GRYPHON™		
Electrical Features		
Supply voltage	9..28 Vdc	
Power consumption	max. 8 W (charging) *	
LED Indicators	Battery charging **red**, Charge completed **green**, Power / Data **yellow**	
Time of recharge	From 3 to 5 hours	
Radio Features	**European Models**	**USA Models**
Working Frequency	433.92 MHz	910 MHz
Bit rate	19200 baud	36800 baud
Range (in open air)	30 m	15 m
RF Modulation	FSK	
Max number of devices per base station	16	
Max number of devices in the same reading area	2000	
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	IP30	
Mechanical Features		
Weight	about 250 g / 8.81 oz	
Dimensions	208 x 107 x 55.5 mm / 8.1 x 4.2 x 2.18 in	
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.

RESTORE DEFAULT

RESTORE OM-GRYPHON™ DEFAULT

To change the defaults refer to the Gryphon™ Dx30/Mx30 Reference Manual, part number **90ACC1930**, or to the Configuration program, both downloadable from the website.

INTERFACE SELECTION

Select one of the interface codes according to your application.

USB INTERFACE SELECTION

USB-KBD

USB-KBD-ALT-MODE

USB-COM*

USB-IBM-Hand Held

* When configuring USB-COM, the relevant files and drivers must be installed from the USB Device Installation software, which can be downloaded from the web site http://www.scanning.datalogic.com.

PEN EMULATION INTERFACE SELECTION

PEN

RS232 INTERFACE SELECTION

RS232 Standard

Nixdorf Mode A

Fujitsu

ICL Mode

WEDGE INTERFACE SELECTION

Wedge IBM AT or PS/2 PCs

PC Notebook

PC Notebook - ALT mode

IBM AT - ALT mode

Many other interfaces are supported and can be selected from the Gryphon™ Dx30/Mx30 Reference Manual available online at http://www.scanning.datalogic.com. Other supported interfaces:

USB: USB-IBM-Table Top; USB-KBD-APPLE

WEDGE: IBM XT; IBM SURE1; IBM Terminal 3153; IBM Terminals 31xx, 32xx, 34xx, 37xx; Wyse Terminals ANSI – PC –ASCII – VT220 style Keyboards; Digital Terminal VT2xx/VT3xx/VT4xx; APPLE ADB Bus

KEYBOARD NATIONALITY

USB-KBD and Wedge users should select one of the following wedge keyboard nationality codes according to your keyboard.

Belge

Deutsch

English

Español

Français

Italiano

Japanese

Svenskt

USA (Default)

DATA FORMAT TERMINATORS

For your convenience, some common Terminators are given below. For other Header/Terminator selections, Data Format and Advanced Data Format parameters, see the Gryphon™ Dx30/Mx30 Reference Manual.

CR-LF

Enter

Tab

None

OPERATING TEST

Read the TEST code below.

Code 128

t e s t

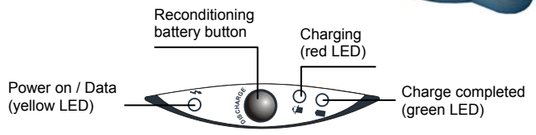
USING OM-GRYPHON™ RADIO CRADLE

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

OM-Gryphon™ can be connected to a Host PC through a USB, RS232, Wedge or Pen emulation cable. All models are suited for single-cradle layouts.

The LEDs signal the OM-Gryphon™ status, as described in the following table:

	LED	STATUS
	Power on / Data	Yellow On = OM-Gryphon™ is powered. Yellow Blinking = OM-Gryphon™ receives data and commands from the Host or the reader.
	Charging	Red On = the battery charge is in progress. Red Blinking = the battery reconditioning is in progress.
	Charge completed	Green On = the battery is completely charged.
	Charging + Charge completed	Red and Green Blinking together = the reader is not correctly placed onto the cradle.



To setup your OM-Gryphon™ cradle you must:

1. Make all system connections.
2. Configure the OM-Gryphon™ cradle.

BATTERY SELECTION

Battery selection is required only when the Gryphon™ M reader has an Alkaline battery and you want to use OM-Gryphon™ either for serial configuration, software upgrades or to hold Gryphon™ M. Since this type of battery must not be charged it is necessary to disable the OM-Gryphon™ charge function by following the procedure:

1. With the Gryphon™ M read the following code:

Alkaline

The green LED on the Gryphon™ M will blink, signaling the reader has accepted the command.

2. Place the reader onto the cradle within 10 seconds. The green LED turns off and a short beep is emitted.

To enable the charge function repeat step 1 and 2 substituting the "Alkaline" code with the following one:

NiMh

CAUTION *Attempts to charge Alkaline batteries could cause leakage of liquid, generation of heat or, in extreme cases, explosion. If using Alkaline batteries, carefully follow the procedure above to avoid damage.*