DATALOGIC™

GRYPHON™ BT
CORDLESS READING SYSTEMS

Quick Reference Guide

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DISCLAIMER

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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.
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D

Im Internet finden Sie die aktuellsten Versionen der Treiber und Dokumentation für dieses Produkt. Die deutschsprachige Version dieses Handbuches ist auch verfügbar.
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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

USING GRYPHON™ BT SERIES READERS

The Gryphon™ BT (Gryphon™ Bluetooth®) reader is a CCD wireless barcode scanner which is part of one of the Cordless Reading Systems described below:

CSR Kit
When paired with the OM-Gryphon™ BT cradle, Gryphon™ BT builds a Cordless Reading System for the collection, decoding and transmission of barcoded data. OM-Gryphon™ BT can be connected to a Host PC through a USB, RS232, Wedge or Pen emulation cable. The OM-Gryphon™ BT cradle also serves as battery charger for Gryphon™ BT.

CS Kit
Gryphon™ BT can also be used together with a Bluetooth® compatible remote device, to build a Cordless Reading System. The Bluetooth® compatible remote device can be a PC, PDA, printer, etc with a built-in Bluetooth® device or with external Bluetooth® adapter (i.e. Bluetooth® dongle). In this case the C-Gryphon cradle serves as battery charger for Gryphon™ BT.

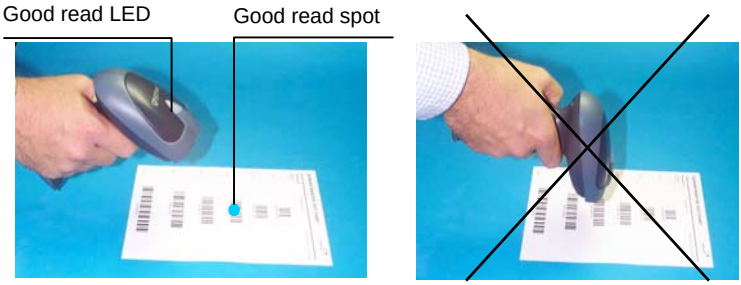
With this Quick Reference Manual, you can set up your Gryphon™ BT reader and begin using it with its default values. For configuration details refer to the Gryphon™ BT Reference Manual on the configuration CD-ROM.

Gryphon™ BT readers automatically scan barcodes **at a distance**. Simply aim the reader and pull the trigger. Code scanning is performed along the center of the light bar emitted from the reading window. This bar must cover the entire code.

READING ANGLE

Successful scanning is performed by tilting the reader with respect to the barcode to avoid direct reflections which impair the reading performance, see the figure below.

Successful reading is signaled by an audible tone plus a good-read blue spot.



OK **Not Advised**

GUIDE TO SYSTEM START UP

CSR KIT

1. Connect the OM-Gryphon™ BT cradle to a power supply and charge the Gryphon™ BT battery as described in this Quick Reference manual. A full charge takes less than 5 hours with NiMh batteries.
2. Connect the OM-Gryphon™ BT cradle to the Host PC and configure the reader as described in this Quick Reference manual under "**Setting Up Gryphon™ BT with OM-Gryphon™ BT**".

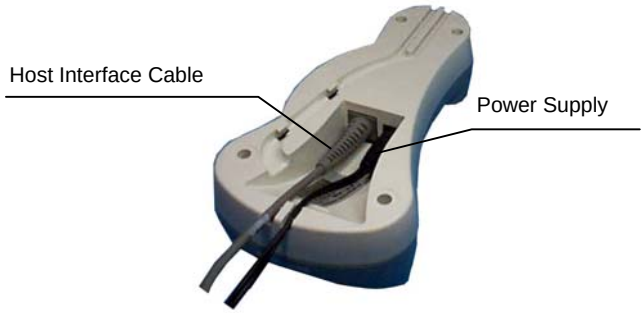
CS KIT

1. Connect the C-Gryphon charger to a power supply and charge the Gryphon™ BT battery as described in this Quick Reference manual. A full charge takes less than 5 hours with NiMh batteries.
2. Have a compatible remote Bluetooth® device (with built-in Bluetooth® radio or an external Bluetooth® adapter) ready to work. See your Bluetooth® compatible device documentation.
3. Configure the reader as described in this Quick Reference manual under "**Setting Up Gryphon™ BT with Bluetooth® Device**".

CONNECTING OM-GRYPHON™ BT/C-GRYPHON

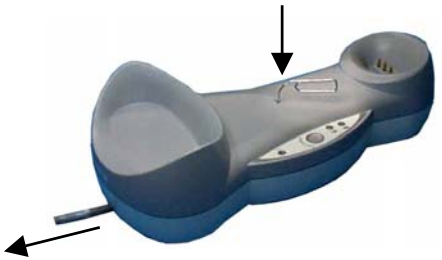
To connect the OM-Gryphon™ BT or C-Gryphon cradle:

1. Connect the OM-Gryphon™ BT to the appropriate interface cable which must be simply plugged into the Host connector on the base of the cradle. *(C-Gryphon can be connected using RS232 only for optional Gryphon™ BT serial configuration or software upgrade)*.
2. Connect the cradle to an external power supply, see the figure below.



Bottom View

To disconnect the Host Interface 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:



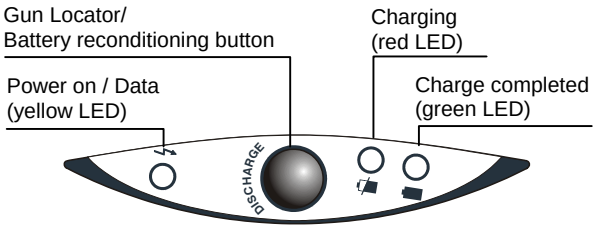
Disconnecting the Cable

CHARGING THE BATTERIES

By placing the reader onto the OM-Gryphon™ BT cradle or C-Gryphon battery charger it is possible to charge the Gryphon™ BT batteries. Make sure the charging LED goes on.

The LEDs positioned on the cradle signal the charge status, as described in the following table:

	LED	STATUS
	Power on / Data	Yellow On = OM-Gryphon™ BT/C-Gryphon is powered. Yellow Blinking = OM-Gryphon™ BT receives data and commands from the Host or the reader. Yellow Blinking = C-Gryphon receives commands from the Host.
	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 or charger.

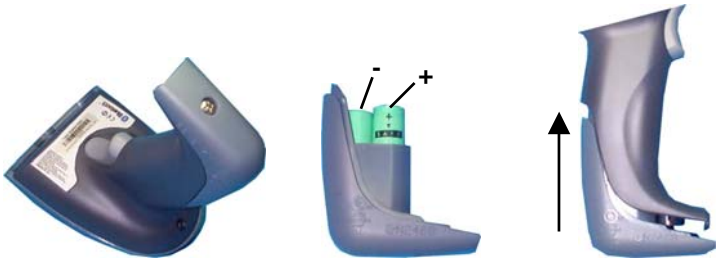


After many recharging cycles NiMh and NiCd batteries may tend to lose their operating autonomy. This condition can be overcome by positioning the Gryphon™ BT onto the OM-Gryphon™ BT cradle or C-Gryphon charger and pressing the “battery reconditioning” button. A complete discharge cycle will be performed and then the battery will be recharged. This procedure may take several hours.

On OM-Gryphon™ BT this button also activates the gun locator function, see the Gryphon™ BT Reference Manual for details.

Changing the Batteries

When the battery reconditioning procedure is no longer effective, the batteries must be changed. To change the batteries of your reader, unscrew the battery cover screw, replace the old batteries with new ones, then insert the cover in the handle and screw it back into place. (See the following figures).



WARNING

Do not incinerate, disassemble, short terminals or expose to high temperature. Risk of fire, explosion. Use specified charger only. Risk of explosion if the battery is replaced by an incorrect type. Dispose of the batteries as required by the relevant laws in force.

GRYPHON™ BT OPERATION

RADIO CONNECTION

The blue LED and/or the beeper always indicate the reader radio connection status (see the table below):

- the radio connection is signaled by the blue LED through a single blink at regular intervals, while if the reader radio is disconnected the LED emits two short blinks at regular intervals;
- during the initialization procedure, if the radio connection attempt is successful, the reader emits four ascending tones;
- the radio disconnection is signaled by four descending tones.

STATUS LED INDICATOR

Blue LED	**Meaning**
1 blink / 2 sec.	Radio connected
2 blinks / 2 sec.	Radio not connected
1 Blink	Good decoding
Short blinks (Master only)	Connection / re-connection attempts

For more details and other meanings of the Gryphon™ BT indicators (LED, blue spot and beeper), refer to the Gryphon™ BT Reference Manual on the configuration CD-ROM.

DATA TRANSMISSION WITH A BT DEVICE

When Gryphon™ BT is connected with a BT device, the transmission of data can be transparent (no ACK/NACK protocol), each character is read and immediately sent to the Host (default value). Otherwise, data transmission can be with flow control (with ACK/NACK protocol), after each reading Gryphon™ BT waits for an acknowledge that the remote Host received the data before reading and sending the following code.

NOTE

RTS/CTS handshaking should be set by the Bluetooth® COM driver for correct serial communication. If not used, the RTS line must be forced to the level that doesn't block such communication.

INITIAL SETUP

This procedure allows setting up the reader to operate with the default settings.

Two different procedures are available according to the type of application you are working with:

CSR Kit: Gryphon™ BT paired to the OM-Gryphon™ BT (follow the procedures indicated in the paragraph below);

CS Kit: Gryphon™ BT communicating with a Bluetooth® device (follow the procedures indicated in the paragraph starting on page 15).

Whenever you need to change the default values refer to the Gryphon™ BT Reference Manual.

SETTING UP GRYPHON™ BT WITH OM-GRYPHON™ BT

Follow the given procedure to set communication between Gryphon™ BT and OM-Gryphon™ BT.

Read the restore default parameters code below.

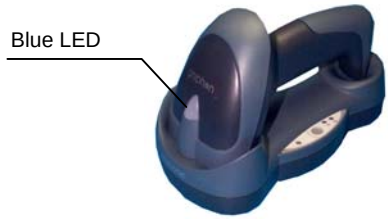
1. Restore Gryphon™ BT Default

2. Read the **Bind** code to pair the Gryphon™ BT to the OM-Gryphon™ BT cradle. The reader is dedicated to the cradle.
The cradle will refuse connection to any previously bound reader. It is however, advised to unbind any previously bound reader.

Bind

The blue LED on the Gryphon™ BT will blink; the reader is ready to be positioned onto the cradle.

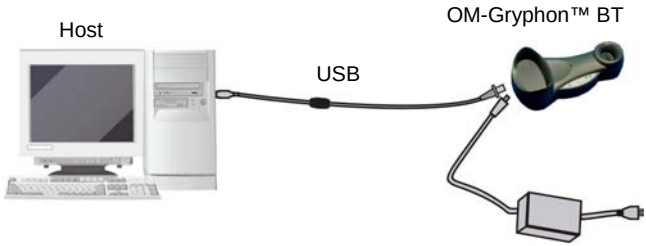
3. Firmly position the reader onto the OM-Gryphon™ BT cradle within 4 seconds, a beep will be emitted, signaling that the OM-Gryphon™ BT cradle has been paired to the Gryphon™ BT.

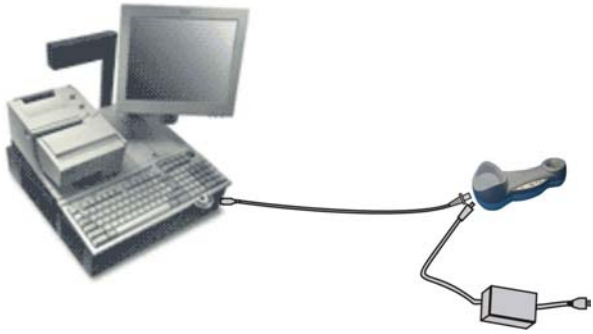


Wait for a series of beeps (three sequences of tones separated by a pause) indicating Bluetooth connection.

4. Configure the OM-Gryphon™ BT cradle. Refer to the following paragraphs depending on the interface selection code required for your application.

USB Interface Selection





The USB interface is compatible with:

Windows 98 (and later)	IBM POS for Windows
Mac OS 8.0 (and later)	4690 Operating System

USB START-UP

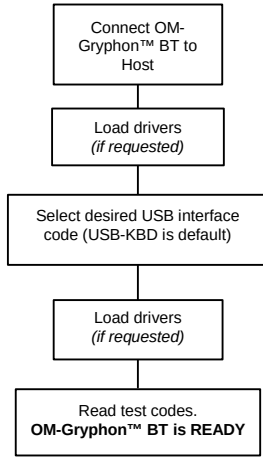
As with all USB devices, upon connection, the Host performs several checks by communicating with the OM-Gryphon™ BT. Before the OM-Gryphon™ BT is ready, the correct USB driver must be loaded.

For all systems, the correct USB driver for the default USB-KBD interface is included in the Host Operating System and will either be loaded automatically or will be suggested by the O.S. and should therefore be selected from the dialog box (the first time only).

You can now read codes with the associated Gryphon™ BT reader. At this point you can read the USB interface configuration code according to your application. Load drivers from the O.S. (if requested). When configuring the USB-COM interface, the relevant files and drivers must be installed from the USB Device Installation software which are available on the CD-ROM and can also be downloaded from the web site: http://www.scanning.datalogic.com.

The OM-Gryphon™ BT is ready.

First Start-Up



Successive start-ups will automatically recognize the previously loaded drivers.

USB

USB-KBD (default)

USB-KBD-ALT-MODE

USB-KBD-APPLE

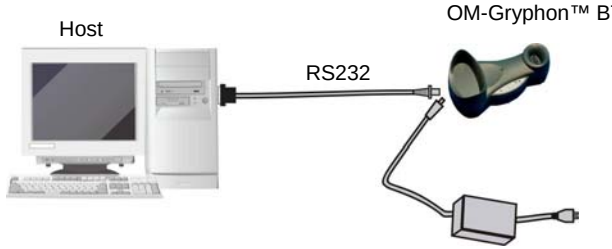
USB-COM*

USB-IBM-Table Top

USB-IBM-Hand Held

* When configuring USB-COM, the relevant files and drivers must be installed from the USB Device Installation software which are available on the CD-ROM and can also be downloaded from the web site (see http://www.scanning.datalogic.com).

RS232 Interface Selection



1. Read the OM-Gryphon™ BT restore default code:

Restore OM-Gryphon™ BT Default

2. Read the interface selection code for your application:

Standard RS232

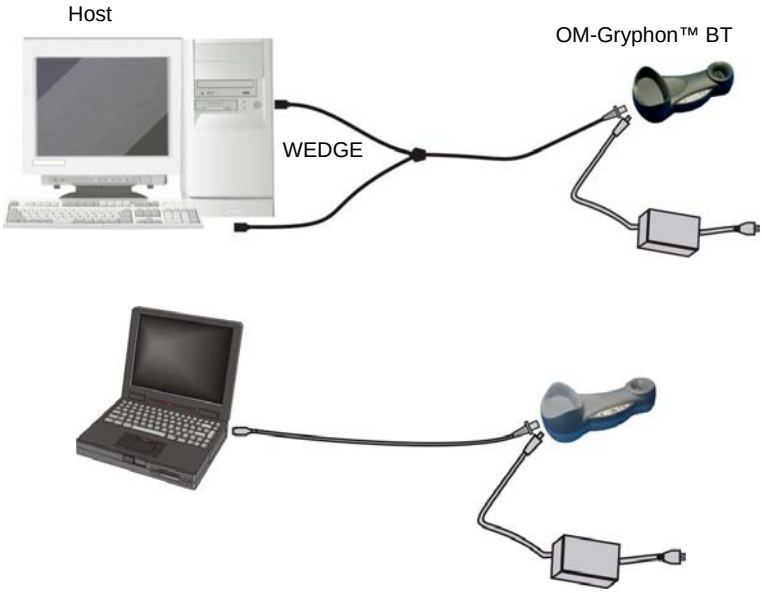
POS TERMINALS

Nixdorf Mode A

Fujitsu

ICL Mode

WEDGE Interface Selection



1. Read the OM-Gryphon™ BT restore default code:

Restore OM-Gryphon™ BT Default

2. Read the interface selection code for your application:

WEDGE

IBM AT or PS/2 PCs

IBM XT

PC Notebook

IBM SURE1

IBM Terminal 3153

IBM Terminals 31xx, 32xx, 34xx, 37xx:

To select the interface for these IBM Terminals, read the correct key transmission code. Select the keyboard type if necessary (default = advanced keyboard).

KEY TRANSMISSION MODE

make-only keyboard

make-break keyboard

KEYBOARD TYPE

advanced keyboard

typewriter keyboard

ALT MODE

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

WYSE TERMINALS

ANSI Keyboard

PC Keyboard

ASCII Keyboard

VT220 style Keyboard

DIGITAL TERMINALS

VT2xx/VT3xx/VT4xx

APPLE

APPLE ADB Bus

PEN Emulation Interface Selection

1. Read the OM-Gryphon™ BT restore default code:

Restore OM-Gryphon™ BT Default

2. Read the interface selection code for your application:

PEN

Pen Emulation

SETTING UP GRYPHON™ BT WITH BLUETOOTH® DEVICE

Follow one of the following two procedures to set up Gryphon™ BT as Slave or as Master according to your application.

Setup for Gryphon™ BT as Slave

A Gryphon™ BT is Slave when it sends barcodes to a Master remote Bluetooth® device such as a PC, Laptop, PDA, etc, which has initialized the communication.

Once set as Slave, a Gryphon™ BT reader requires no particular configuration for communication, however some radio parameters can be set to increase system performance and data transmission security, see the Gryphon™ BT Reference Manual on the configuration CD-ROM. At startup the reader can only wait for the Master to initialize the radio communication.

The following is a general procedure recommended for Gryphon™ BT Slave applications:

1. Power up the remote Bluetooth® Master device (example Laptop or PC).
2. After charging the batteries, power up the Gryphon™ BT reader within radio range (10 meters).

Any modifications to the radio configuration should be made at this time before the radio connection takes place.

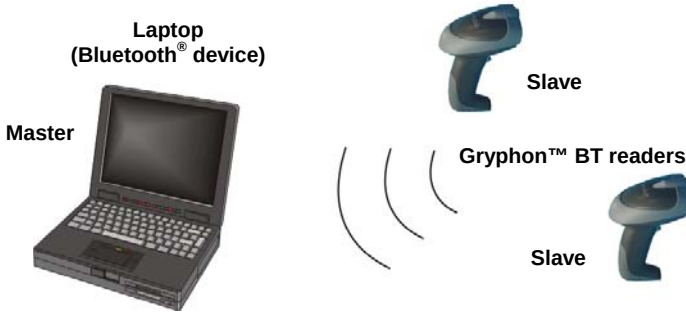
3. From the remote Bluetooth® Master device, execute the Discovery procedure, (according to the procedure given in the documentation of the Bluetooth® Master device), to recognize the Gryphon™ BT reader(s) within radio range.
4. Check that "**Gryphon BTx00** " is shown among the discovered devices.
5. Request to open an SPP connection with Gryphon™ BT, making sure to disable any required PIN and/or pairing parameters. Gryphon™ BT is always discoverable and connectable without any required PIN.

NOTE

If the PIN of the Bluetooth® Master device cannot be disabled, use the PIN "1234". The Gryphon™ BT Slave will emit four ascending tones indicating radio connection.

After the Gryphon™ BT reader indicates radio connection (see also the Status LED Indicator Table, on page 5), you can start sending barcodes.

The following figure shows an example Gryphon™ BT Slave application.



If the Master Bluetooth® device can support a **piconet**, the communication can be established with up to **7 seven Slave** readers at the same time.

To configure the Gryphon™ BT as Slave follow the given procedure.

1. Restore Gryphon™ BT Default

2. Set Gryphon™ BT as Slave

YOUR READER IS NOW READY TO BE DISCOVERED (CONNECTED VIA RADIO) BY A BLUETOOTH® MASTER DEVICE AND READ BARCODES.

Setup for Gryphon™ BT as Master

A Gryphon™ BT is Master when the remote Bluetooth® device is Slave, i.e. with a Bluetooth® barcode printer.

Once set as Master, a Gryphon™ BT reader must be configured with the address of the Slave device to which it wants to communicate. As Master it can initiate a connection with only one Slave device.

By default, at startup the reader initializes the communication with the Slave. If the connection is successful, the reader can send barcodes to the Slave device.

If the connection is not successful, you can attempt a connection manually by double-clicking the reader trigger. Radio connections can also be managed manually as described in the Gryphon™ BT Reference Manual on the configuration CD-ROM.

During the request of radio connection or disconnection with a remote Bluetooth® Slave device, the reader emits a series of ticks and short blinks of the blue LED.

The following figure shows an example Gryphon™ BT Master application.

To configure the Gryphon™ BT as Master follow the given procedure.

Note: for the hexadecimal character selection of step 4, use the Hex/Numeric table on the following page.

1. Restore Gryphon™ BT Default

2. Set Gryphon™ BT as Master

3. Enter Configuration

4. Set Remote Bluetooth® Device Address (slave)

+

12 characters (in HEX format)
for the remote Bluetooth® device address
specified in each Bluetooth® device.

5. Exit and Save Configuration

6. Request Radio Connection with Slave

If the connection is not successful, you can attempt a connection manually by double-clicking the reader trigger.

YOUR READER IS NOW CONFIGURED TO READ BARCODES USING THE DEFAULT VALUES.

HEX NUMERIC TABLE


0


1


2


3


4


5


6


7


8


9


A


B


C


D


E


F

GRYPHON™ BT DEFAULT CONFIGURATION

USB

DATA FORMAT: code identifier disabled, no field adjustment, code length not transmitted, character replacement disabled, address stamping = disabled, address delimiter = disabled.

USB KEYBOARD: USA keyboard, inter-character and inter-code delays disabled.

USB COM: no handshaking, delay disabled, rx timeout 5 sec., ack/nack disabled, serial trigger lock disabled.

Default Headers and Terminators for each USB mode:

- USB-KBD: no header, terminator = ENTER
- USB-KBD-ALT-MODE: no header, terminator = CR
- USB-COM: no header, terminator = CR-LF
- USB-IBM-TABLE TOP: not applicable
- USB-IBM-HAND HELD: not applicable

RS232

Standard
9600 baud, no parity, 8 data bits, 1 stop bit, no handshaking, delay disabled, rx timeout 5 sec., ack/nack disabled, serial trigger lock disabled;

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

Nixdorf Mode A
9600 baud, parity odd, 8 data bits, 1 stop bit, handshaking hardware (RTS/CTS), delay disabled, rx timeout 9.9 sec., ack/nack disabled, serial trigger lock disabled;

DATA FORMAT: code identifier enabled, no field adjustment, code length not transmitted, *no header*, *terminator* = *CR*, character replacement disabled, address stamping = disabled, address delimiter = disabled,

Fujitsu
9600 baud, no parity, 8 data bits, 1 stop bit, no handshaking, delay disabled, rx timeout 2 sec., ack/nack disabled, serial trigger lock disabled;

DATA FORMAT: code identifier enabled, no field adjustment, code length not transmitted, *no header*, *terminator* = *CR*, character replacement disabled, address stamping = disabled, address delimiter = disabled,

ICL
9600 baud, parity even, 8 data bits, 1 stop bit, handshaking RTS always on, delay disabled, rx timeout 9.9 sec., ack/nack disabled, serial trigger lock disabled;

DATA FORMAT: code identifier enabled, no field adjustment, code length not transmitted, *no header*, *terminator* = *CR*, character replacement disabled, address stamping = disabled, address delimiter = disabled,

WEDGE

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, no field adjustment, code length not transmitted, *no header*, *terminator* = *ENTER*, character replacement disabled, address stamping = disabled, address delimiter = disabled,

PEN EMULATION

interpret mode, conversion to code 39 disabled, output level normal, idle level normal, minimum output pulse 600 μs, overflow medium, inter-block delay disabled

DATA FORMAT for BT DEVICE

code identifier disabled, field adjustment disabled, code length tx not transmitted, character replacement disabled, address stamping = disabled, address delimiter = disabled, *no header, terminator* = *CR-LF*.

POWER SAVE

maximum scan rate

READING PARAMETERS

hardware trigger, trigger active level, no timeout, Flash On = 1 sec, Flash Off = 0.6 sec, one read per cycle, safety time 0.5 sec, beeper intensity high, tone 2, beeper type monotone, beeper length short, good read spot duration medium.

DECODING PARAMETERS

ink spread enabled, overflow control enabled, interdigit control enabled, Puzzle Solver™ disabled, decoding safety = one read.

CODE SELECTION

enabled codes

BT200	Code PDF417
BT100 **BT200**	EAN 8/EAN 13 / UPC A/UPC E without ADD ON check digit transmitted, no conversions Interleaved 2/5 check digit control and transmission, variable length code; 4-99 characters Standard Code 39 no check digit control, variable length code; 1-99 characters Code 128, variable length code; 1-99 characters

disabled codes

BT100	*EAN 128, ISBT128, Code 93, Codabar, pharmaceutical codes, MSI, Plessey, Telepen, Delta IBM, Code 11, Code 16K, Code 49, RSS family.*
BT200	*EAN 128, ISBT128, Code 93, Codabar, pharmaceutical codes, RSS family*

ADVANCED FORMATTING PARAMETERS

concatenation disabled, no advanced formats defined, Zebra printer formatting = disabled.

RADIO PARAMETERS

ALL CONFIGURATIONS: radio protocol timeout = 3 seconds, transmission retry = none, power-off timeout = 4 hours, beeper control for radio response = good decode and good reception.

GRYPHON™ BT WITH OM-GRYPHON™ BT: encryption disabled, batch mode disabled.

GRYPHON™ BT WITH BT DEVICE: no ACK/NACK protocol nor frame packing, user-friendly name = "Gryphon BTx00 ", auto-connection enabled, auto-reconnection enabled.

TECHNICAL FEATURES

Gryphon™ BT

Electrical Features	
Battery Type	2 AA NiMh batteries* 1.2 V – 1850 mAh or 2100 mAh
Time of recharge	max. 5 hours
Operating autonomy (typ. continuous reading)	>14 hours
Max scan rate	270 scans/sec
Indicators	LED, Good Read Spot, Beeper
Optical Features	
Sensor	CCD solid state (3648 pixels)
Illuminator Wavelength Max. LED Output Power LED Safety Class Reading field	LED array 630 ~ 670 nm 0.33 mW Class 1 EN 60825-1 see reading diagrams on page 25
Max. resolution	0.076 mm, 3 mils
PCS minimum	15% (Datalogic Test Chart)
Reading Pitch angle	65°
Reading Skew angle	80°
Reading Tilt angle	35°
Radio Features	
Bluetooth® version	Bluetooth® 1.2
Profiles supported	Serial Port Profile
Class	IEEE 802.15 class 2
Environmental Features	
Working Temperature	0° to + 40 °C / 32° to 104 °F
Storage Temperature (without battery)	-20°to + 70 °C / - 4° to 158 °F
Humidity	90% non condensing
Drop resistance	IEC 68-2-32 Test Ed; 1.8 m on concrete
Ambient light immunity	100000 lux (sunlight) / 4000 lux (artificial light)
Protection class	IP30
Mechanical Features	
Weight (with batteries)	about 280 g. / 9.87 oz
Dimensions	179 x 81 x 98 mm / 7.04 x 3.18 x 3.85 in
Material	ABS and Polycarbonate molded with rubber

* It is possible to employ also NiCd or non-chargeable Alkaline AA batteries.

OM-Gryphon™ BT

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	max. 5 hours
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
Communications	
Interface	USB, RS232, Wedge, Pen emulation
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

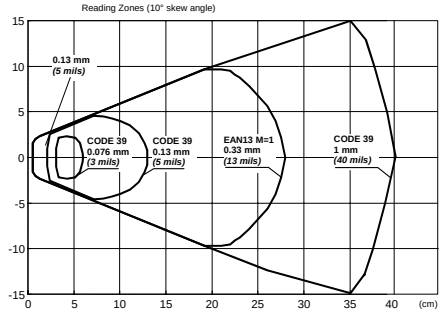
C-Gryphon™

Electrical Features	
Supply voltage	9..28 Vdc
Power consumption	max. 8 W (charging) *
Indicators	Battery charging (red) Charge completed (green) Power (yellow)
Time of recharge	max. 5 hours
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
Communications	
Interface	RS232
Baud Rate	9600
Data Bits	8
Stop Bit	1
Parity	None
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

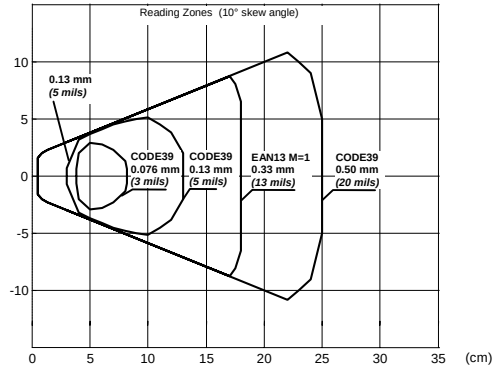
* Having a switching regulator inside, the OM-Gryphon™/C-Gryphon cradles draw the same power, regardless of the supply voltage, i.e. as the input voltage increases the current drawn decreases.

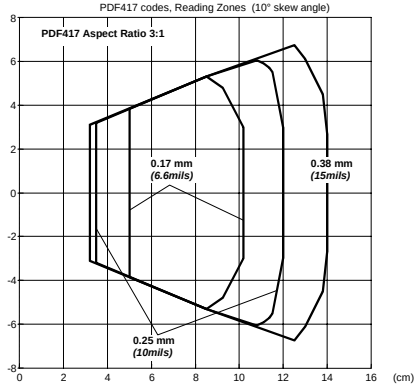
READING DIAGRAMS

GRYPHON™ BT100



GRYPHON™ BT200





TROUBLESHOOTING

Problem	Solution
The beeper and LED signal radio disconnection from the remote Bluetooth® device.	The distance between the remote device and Gryphon™ BT may be too far or there may be obstacles to radio transmission between them. Reconnect.
The requested radio connection by Gryphon™ BT Master does not activate.	Reduce the distance between the devices. Check that Gryphon™ BT is powered (batteries are charged), that the radio protocol software version is compatible with Gryphon™ BT, that there is not already another BT device connected using the same SPP profile. Insert the remote device address again to Gryphon™ BT. Check the Gryphon™ BT configuration using the Transmit configuration command via C-Gryphon cradle.
The remote Bluetooth® device recognizes Gryphon™ BT but cannot connect to it.	Check that there are no limits set to the connection such as a password. Check that the radio protocol software version is compatible with Gryphon™ BT.
The radio range seems reduced.	Check that there are no obstacles to radio transmission between the devices.
A Gryphon™ BT Master fails to make an automatic connection.	Double-click the trigger to force an immediate retry of the radio connection or read the "Request Radio Connection" code in the Gryphon BT Reference Manual.
A Gryphon™ BT Master remains connected to a Slave device.	Read the "Request Radio Disconnection" code in the Gryphon BT Reference Manual or power off the Bluetooth® Slave device.
A Gryphon™ BT gun continuously connects and disconnects from its OM-Gryphon™ BT cradle	A second gun has erroneously remained connected to the cradle. Unbind the second gun. The OM-Gryphon™ BT has lost the Bind address, for example after a software upgrade, and therefore refuses any connection. Repeat the Bind procedure.

Unbind

Power OFF

SERVICES AND SUPPORT

Datalogic provides several services as well as technical support through its website. Log on to **www.scanning.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, 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**

- **CONTACT US**
  E-mail form and listing of Datalogic Subsidiaries

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.

PATENTS

This product is licensed under the U.S. patent 6,158,661

This product is covered by one or more of the following patents:

U.S. patents: 5,992,740; 6,305,606 B1; 6,517,003 B2; 6,631,846 B2; 6,712,271 B2; 6,808,114 B1; 6,817,525 B2 and 6,834,806 B2;

European patents: 851,378 B1; 895,175 B1; 962,880 B1; 997,760 B1; 1,128,315 B1 and 1,164,536 B1.

Additional patents pending.

COMPLIANCE

This device must be opened by qualified personnel only.

The batteries must be removed before opening 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.

OM-Gryphon™ BT

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 COMPLIANCE

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.

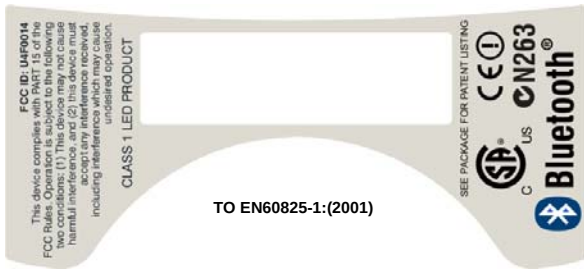
POWER SUPPLY

For OM-Gryphon™ BT and C-Gryphon

This device is intended to be supplied by a UL Listed or CSA Certified Power Unit marked "Class 2" or "LPS" output rated 9-28 V, minimum 0.9 A which supplies power directly to the unit via the jack connector.

WEEE COMPLIANCE

LED CLASS



Datalogic Scanning, Inc.
959 Terry Street
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Gryphon BT100-CSR CORDLESS SYSTEM

Gryphon BT200-CSR CORDLESS SYSTEM

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 conforme aux spécifications des Directives de l'Union Européenne ci-dessous:
der nachstehend angeführten Direktiven des Europäischen Rats:
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 la siguientes normas:

ETSI EN 301 489-17 V1.2.1, AUGUST 2002 :	*ELECTROMAGNETIC COMPATIBILITY AND RADIO SPECTRUM MATTERS (ERM); ELECTROMAGNETIC COMPATIBILITY (EMC) STANDARD FOR RADIO EQUIPMENT AND SERVICES; PART 17: SPECIFIC CONDITIONS FOR 2,4GHZ WIDEBAND TRANSMISSION SYSTEMS AND 5GHZ HIGH PERFORMANCE RLAN EQUIPMENT*
ETSI EN 300 328 V1.6.1, NOVEMBER 2004 :	*ELECTROMAGNETIC COMPATIBILITY AND RADIO SPECTRUM MATTERS (ERM); WIDEBAND TRANSMISSION SYSTEMS; DATA TRANSMISSION EQUIPMENT OPERATING IN THE 2,4GHZ ISM BAND AND USING WIDE BAND MODULATION TECHNIQUES; 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

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DATALOGIC™

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