DATALOGIC

Gryphon™ I GBT4100

General Purpose Handheld
Linear Imager Barcode Reader
with Bluetooth® Wireless Technology

Quick Reference Guide

Datalogic Scanning, Inc.

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Patents

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

Design Pat.: USD599,799; USD 606,076S; EP 870,787; CN 1,067,263.

US Pat.: 5,144,118; 5,311,000; 5,481,098; 5,493,108; 5,929,421; 5,992,740; 6,098,883; 6,260,764; 6,443,360 B1; 6,517,003 B2; 6,631,846 B2; 6,808,114 B1; 6,817,525 B2; 6,997,385 B2; 7,075,663 B2; 7,387,246 B2.

European Pat.: 789,315 B1; 926,620 B1; 962,880 B1; 997,760 B1; 1,128,314 B1; 1,128,315 B1; 1,164,536 B1; 1,217,571 B1; 1,396,811 B1; 1,413,971 B1.

Additional patents pending.

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NOTES

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11.2 Notice. All notices required or authorized under this Agreement shall be given in

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11.3 Waiver. A party's failure to enforce any of the terms and conditions of this Agreement shall not prevent the party's later enforcement of such terms and conditions.

11.4 Governing Law; Venue: This Agreement and the rights of the parties hereunder shall be governed by and construed in accordance with the laws of the State of Oregon U.S.A, without regard to the rules governing conflicts of law. The state or federal courts of the State of Oregon located in either Multnomah or Lane counties shall have exclusive jurisdiction over all matters regarding this Agreement, except that Datalogic shall have the right, at its absolute discretion, to initiate proceedings in the courts of any other state, country, or territory in which End User resides, or in which any of End User's assets are located.

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- END -

Software Product Policy

Datalogic reserves the right to ship its products with the latest version of software/firmware available. This provides our customers with the very latest in Datalogic software technology.

The only exception to this policy is when the buyer has a signed contract with Datalogic that clearly defines the terms and conditions for making software/firmware changes in products shipped to the buyer.

Customers Under Software Support

Customers that elect to subscribe to Datalogic Software Maintenance and Support Agreement will receive 30 days advance notification of: (1) the release of a new software version; and/or (2) discontinuation of any prior software version that will no longer be supported. Datalogic will provide maintenance for a fee that will assist customers in transitioning to the next software version. If a customer is currently using the software version being discontinued, the customer may elect to transition to any one of the newer versions, depending on the hardware in use.

To arrange for a Software Maintenance and Support Agreement please contact your Datalogic sales person.

Setting Up the Reader

Follow the steps below to connect and get your reader up and communicating with its host.

1. Configure the Base Station starting on this page.
2. Charge the Batteries (see page 11).
3. Link to the Base Station (see page 16).
4. Select the Interface Type (see page 18).
5. Configure the Reader starting on page 30 (optional, depends on settings needed).

Configuring the Base Station

The base charger/station may be configured in desk application to hold the reader in two different positions, either a horizontal or standing position, in order to provide the most comfortable use depending on needs.

Standing

Horizontal

Changing the Base Station Position

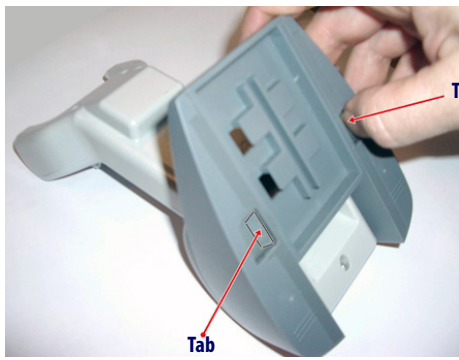
The base station is configured by installing one of two sets of mechanical parts that come with the cordless kit. The default mounts (shown below) provide three options: vertical (wall) mounting, standing (45°), or horizontal mounting with a higher mechanical retention of the scanner. Use the other mounts only for horizontal

mounting, with lower retention of the scanner. The different parts may be interchanged to customize retention preferences.

A tool such as a rigid pen or a flat screwdriver can be used to change the mounts. Do not allow it to touch the contacts.

1. Insert the appropriate parts for the desired base station position, as shown below.

2. Using your thumbs, push open the plastic tabs on the bottom of the base to free the wing holders.



3. The stand can now be repositioned in either horizontal or standing position.

Connecting the Base Station

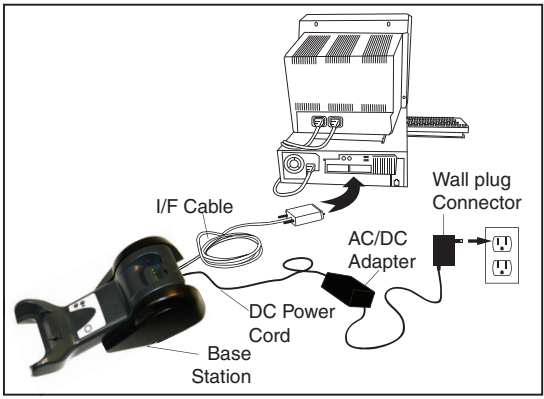
Figure 1 shows how to connect the Base Station to a terminal, PC or other host device. Turn off the host before connection and consult the manual for that equipment (if necessary) before proceeding. Connect the interface cable before applying power to the Base Station.

NOTE

Gryphon BT can also be Powered by the Terminal. The external power supply is recommended but not necessary. When powered by the Terminal, the battery charger is automatically set as Slow charge.

Base Station Connection and Routing: Fully insert the Power Cable and Interface (I/F) Cable connectors into their respective ports in the underside of the Base Station (see Figure 1). Then connect to an AC Adapter, and plug the AC power cord into the (wall) outlet.

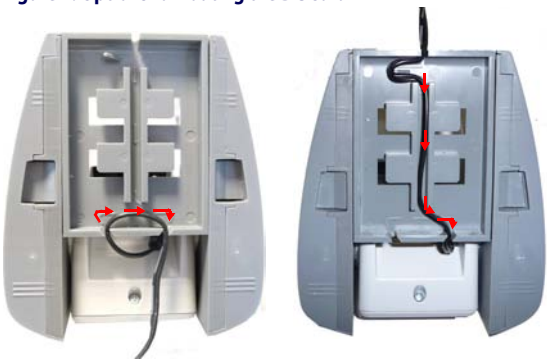
Figure 1. Connecting the Base Station



Securing the DC Power Cord (Optional)

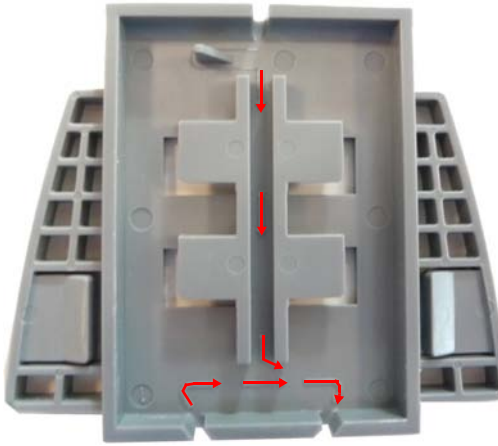
The DC power cord for the adapter can be secured to the bottom of the base in order to maximize the mechanical retention of the cable itself. The routing of the power cord can be changed to accommodate the base station positioning: horizontal, stand or wall mounting. The cables can be looped around to the front of the Base Station, or fed directly out the back of the Base Station, as shown in Figure 2 on page 8.

Figure 2. Options for routing the DC cord



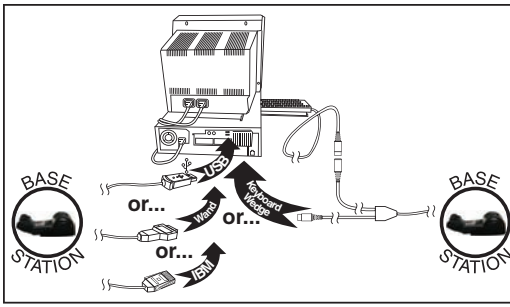
Please refer to the arrows depicted on the bottom of the base when placing the cables, detailed in Figure 3.

Figure 3. Arrows showing routing



Host Connection: Verify before connection that the reader's cable type is compatible with your host equipment. Most connections plug directly into the host device as shown in Figure 4 on page 9. Keyboard Wedge interface cables have a 'Y' connection where its female end mates with the male end of the cable from the keyboard and the remaining end at the keyboard port on the terminal/PC.

Figure 4. Connecting to the Host



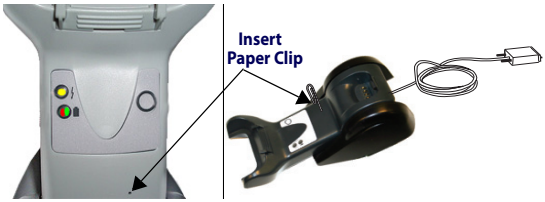
Power Connection : Plug the AC Adapter in to an approved AC wall socket with the cable facing downwards (as shown in Figure 1) to prevent undue strain on the socket.

NOTE

Gryphon BT can also be Powered by the Terminal. The external power supply is recommended but not necessary. When powered by the Terminal, the battery charger is automatically set as Slow charge.

Disconnecting the Cable: To detach the cable, insert a paper clip or similar object into the hole on the base, as shown in Figure 5.

Figure 5. Disconnecting the Cable

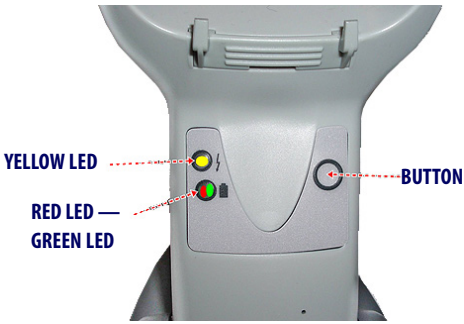


Using the BC40xx™ Radio Base

Radio Base LEDs

LEDs on the Gryphon I Base provide information about the Bases well as battery charging status, as shown in Figure 6.

Figure 6. Gryphon I Base LEDs



The following table describes the significance of each LED.

Table 1. Radio Base LEDs

	LED	STATUS
	Power on / Data	Yellow On = Base is powered Yellow Blinking = Base receives data and commands from the Host or the Reader.
	Charging	Red On = the Battery is charging.
	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 Base.

The button can be used to force device connection via the Datalogic Aladdin Software tool, and for paging the scanner when it is activated. Refer to the Gryphon I Product Reference Guide (PRG) for a more detailed explanation.

Charging the Batteries

To charge the battery, simply insert the Gryphon into the base. The LEDs on the base (shown in Table 1 above) will indicate the status of the battery.

NOTE

Before using the Battery, read "Battery Safety" in the following section. Datalogic recommends annual replacement of rechargeable battery packs to ensure maximum performance.

Battery Safety

To install, charge and/or do any other action on the battery, follow the instructions in this manual.

WARNING

Do not discharge the battery using any device except for the scanner. When the battery is used in devices other than the designated product, it may damage the battery or reduce its life expectancy. If the device causes an abnormal current to flow, it may cause the battery to become hot, explode or ignite and cause serious injury.

Lithium-ion battery packs may get hot, explode or ignite and cause serious injury if exposed to abusive conditions. Be sure to follow the safety warnings listed on the following page.

WARNING

- **Do not place the battery pack in fire or heat.**
- **Do not connect the positive terminal and negative terminal of the battery pack to each other with any metal object (such as wire).**
- **Do not carry or store the battery pack together with metal objects.**
- **Do not pierce the battery pack with nails, strike it with a hammer, step on it or otherwise subject it to strong impacts or shocks.**
- **Do not solder directly onto the battery pack.**
- **Do not expose the battery pack to liquids, or allow the battery to get wet.**
- **Do not apply voltages to the battery pack contacts.**

In the event the battery pack leaks and the fluid gets into your eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause damage to the eye.

CAUTION

Always charge the battery at 32° – 104°F (0° - 40°C) temperature range.

Use only the authorized power supplies, battery pack, chargers, and docks supplied by your Datalogic reseller. The use of any other power supplies can damage the device and void your warranty.

Do not disassemble or modify the battery. The battery contains safety and protection devices, which, if damaged, may cause the battery to generate heat, explode or ignite.

Do not place the battery in or near fire, on stoves or other high temperature locations.

Do not place the battery in direct sunlight, or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, explode or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.

Do not place the battery in microwave ovens, high-pressure containers or on induction cookware.

Immediately discontinue use of the battery if, while using, charging or storing the battery, the battery emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way.

Do not replace the battery pack when the device is turned on.

Do not remove or damage the battery pack's label.

Do not use the battery pack if it is damaged in any part.

Battery pack usage by children should be supervised.

As with other types of batteries, Lithium-Ion (LI) batteries will lose capacity over time. Capacity deterioration is noticeable after one year of service whether the battery is in use or not. It is difficult to precisely predict the finite life of a LI battery, but cell manufacturers rate them at 500 charge cycles. In other words, the batteries should be expected to take 500 full discharge / charge cycles before needing replacement. This number is higher if partial discharging / recharging is adhered to rather than full / deep discharging,

The typical manufacturer advertised useful life of LI batteries is one to three years, depending on usage and number of charges, etc., after which they should be removed from service, especially in mission critical applications. Do not continue to use a battery that is showing excessive loss of capacity, it should be properly recycled / disposed of and replaced. For most applications, batteries should be replaced after one year of service to maintain customer satisfaction and minimize safety concerns.

Collect and recycle waste batteries separately from the device in comply with European Directive 2006/66/EC, 2002/95/EC, 2002/96/EC and subsequent modifications, US and China regulatory and others laws and regulations about the environment.

Replacing the Batteries

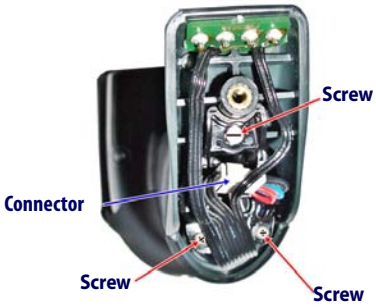
NOTE

Before proceeding, read "Battery Safety" on the preceding pages. Datalogic recommends annual replacement of rechargeable battery packs to ensure maximum performance.

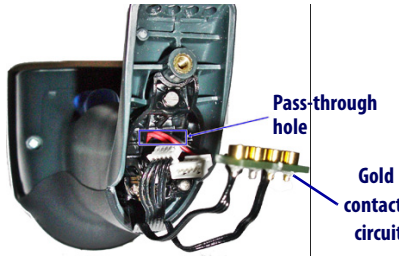
Use the following procedure to change the reader's battery:

1. With a screwdriver, unscrew the battery cover screw.

2. Unplug the three screws securing the battery holder, and unplug the white connector.



3. Carefully lift out the gold contacts circuit, and remove the battery holder while letting the white connector pass through the hole in the battery holder (as shown below).



4. Remove the old battery from its place (if present), and insert the new battery in the same position.
5. Replace the battery holder, plug in the connector and return the contacts circuit to its previous location.

When inserting the new battery into the handle, take care to position the battery and the connector as shown.

NOTE

6. Insert the cover in the handle and screw it back into place.

Linking the Reader

Link Datalogic RF Devices to Base

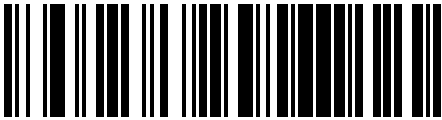
For RF devices, before configuring the interface it is necessary to link the handheld with the base.

To link the handheld and the base, press the trigger to wake it and place it on the base. If the reader was previously linked to another base, you must first scan the **Unlink** barcode before re-linking to the new base.

Unlink

Link Scanner to Bluetooth Adapater

1. Install any drivers provided with the Bluetooth adapter.
2. Scan the **Enable RF Link to Server** label below to make the scanner visible to the host computer.
3. Use the host computer's Bluetooth manager to "Discover new devices" and select "Datalogic Scanner." If you receive an error message, it may be necessary to disable security on the device.
4. Use an RS-232 terminal program to see incoming data on the port designated by the computer's Bluetooth manager.

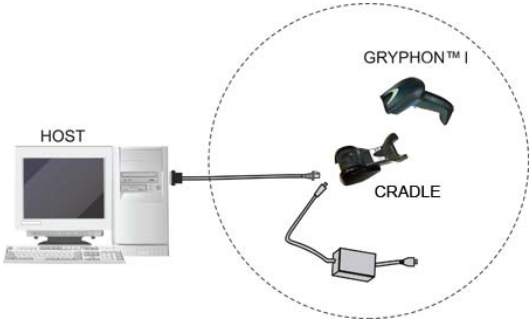


Enable RF Link to Server

System and Network Layout

Typical Setup with Cradle and Host

Figure 7. Reader Layout



Selecting the Interface Type

Upon completing the physical connection between the reader and its host, proceed directly to Interface Selection on page 18 for information and programming for the interface type the reader is connected to (for example: RS-232, Keyboard Wedge, USB, etc.) and scan the appropriate barcode to select your system's correct interface type.

Interface Selection

Each reader model will support one of the following sets of host interfaces:

General Purpose Models: RS-232, RS-232 OPOS, USB, Keyboard Wedge, Wand.

Retail Point of Sale Models : RS-232, RS-232 OPOS, USB, IBM 46XX.

Information and programming options for each interface type are provided in this section.

Configuring the Interface

Scan the programming barcode which selects the appropriate interface type matching the system the reader will be connected to.

If you need to customize additional settings and features associated with that interface, proceed to the corresponding chapter in the Gryphon™ I PRG.

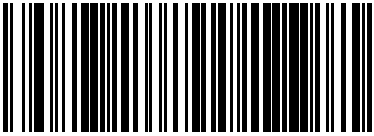
NOTE

Unlike some other programming features and options, interface selections require that you scan only one programming barcode label. DO NOT scan an ENTER/EXIT barcode prior to scanning an interface selection barcode.

Some interfaces require the scanner to start in the disabled state when powered up. If additional scanner configuration is desired while in this state, pull the trigger and hold for 5 seconds. The scanner will change to a state that allows programming with barcodes.

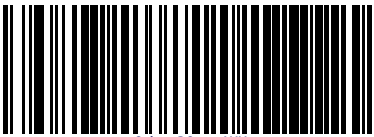
RS-232

RS-232 standard interface



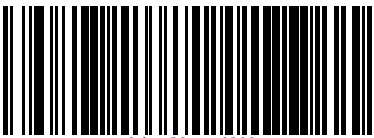
Select RS232-STD

RS-232 Wincor-Nixdorf



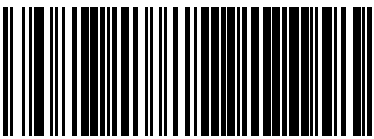
Select RS232-WN

RS-232 for use with OPOS/UPOS/JavaPOS



Select RS-232 OPOS

USB Com to simulate RS-232 standard interface



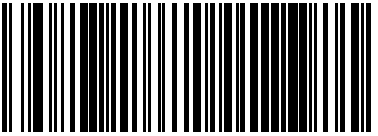
Select USB-COM-STD[a]

IBM

IBM-46xx Port 5B reader interface

Select IBM-P5B

IBM-46xx Port 9B reader interface



Select IBM-P9B

USB-OEM

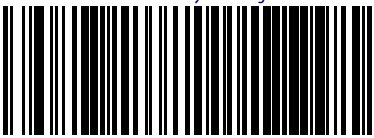
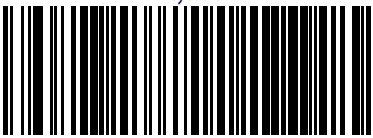
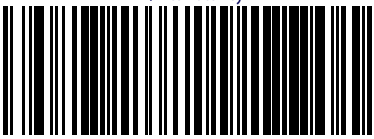
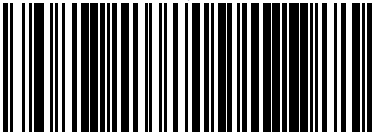
USB-OEM
(can be used for OPOS/UPOS/JavaPOS)

Select USB-OEM

a. Download the correct USB Com driver from www.datalogic.com

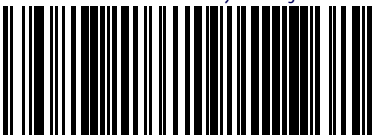
Keyboard Interface

Use the programming barcodes to select options for USB Keyboard and Wedge Interfaces.

KEYBOARD
AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 w/ Standard Key Encoding  Select KBD-AT
Keyboard Wedge for IBM AT PS2 with standard key encoding but without external keyboard  Select KBD-AT-NK
AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 w/Alternate Key  Select KBD-AT-ALT
Keyboard Wedge for IBM AT PS2 with alternate key encoding but without external keyboard  Select KBD-AT-ALT-NK

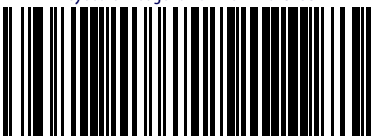
KEYBOARD (continued)

PC/XT w/Standard Key Encoding



Select KBD-XT

Keyboard Wedge for IBM Terminal 3153



Select KBD-IBM-3153

Keyboard Wedge for IBM Terminals 31xx, 32xx, 34xx, 37xx make only keyboard

Select KBD-IBM-M

Keyboard Wedge for IBM Terminals 31xx, 32xx, 34xx, 37xx make break keyboard

Select KBD-IBM-MB

Keyboard Wedge for DIGITAL Terminals
VT2xx, VT3xx, VT4xx

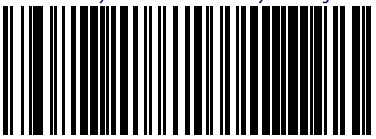
Select KBD-DIG-VT

USB Keyboard with standard key encoding

Select USB Keyboard

KEYBOARD (continued)

USB Keyboard with alternate key encoding



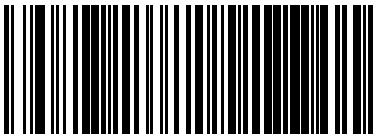
Select USB Alternate Keyboard

USB Keyboard for Apple computers

Select USB-KBD-APPLE

WAND EMULATION

Wand Emulation



Select WAND

Scancode Tables

Reference the Gryphon™ I PRG for information about control character emulation which applies to keyboard interfaces.

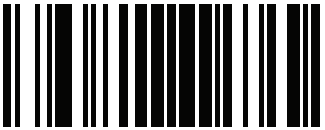
Country Mode

This feature specifies the country/language supported by the keyboard. Only the following interfaces support ALL Country Modes.

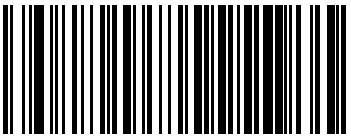
- USB Keyboard (without alternate key encoding)
- AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 w/Std Key Encoding
- Keyboard Wedge for IBM AT PS2 with standard key encoding but without external keyboard
- AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 without Alternate Key
- Keyboard Wedge for IBM AT PS2 without alternate key encoding but without external keyboard

All other interfaces support ONLY the following Country Modes: U.S., Belgium, Britain, France, Germany, Italy, Spain, Sweden.

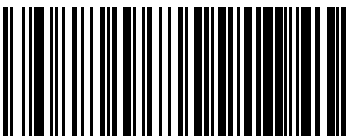
COUNTRY MODE



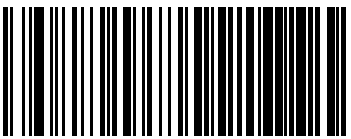
ENTER/EXIT PROGRAMMING MODE



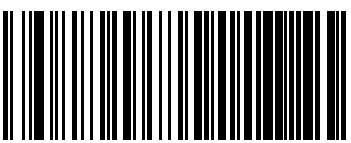
Country Mode = U.S.



Country Mode = Belgium



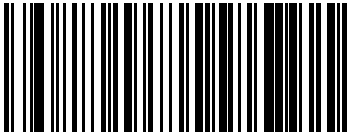
Country Mode = Britain



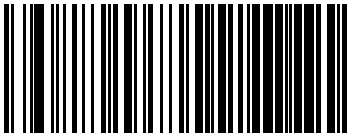
Country Mode = Croatia*

*Supports only the interfaces listed in the Country Mode feature description

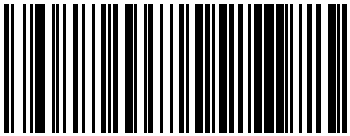
COUNTRY MODE (continued)



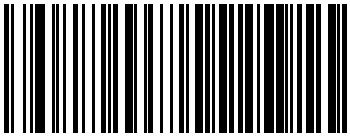
Country Mode = Czechoslovakia*



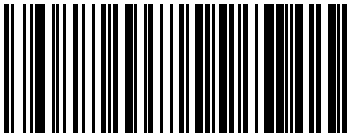
Country Mode = Denmark*



Country Mode = France



Country Mode = Germany

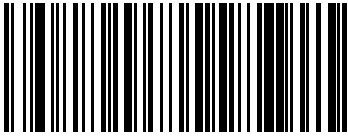


Country Mode = Hungary*

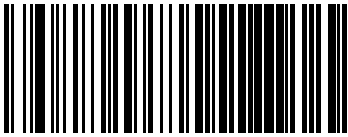
Country Mode = Italy

*Supports only the interfaces listed in the Country Mode feature description

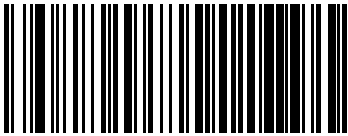
COUNTRY MODE (continued)



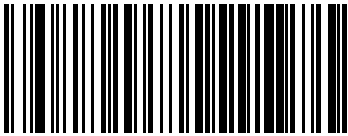
Country Mode = Japanese 106-key*



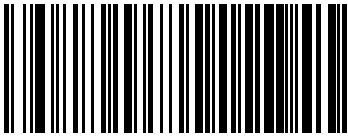
Country Mode = Norway*



Country Mode = Poland*



Country Mode = Portugal*

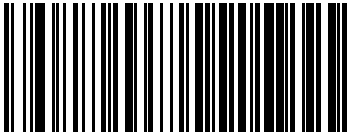


Country Mode = Romania*

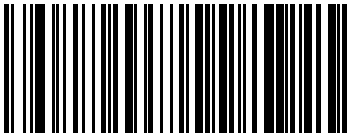
Country Mode = Slovakia*

*Supports only the interfaces listed in the Country Mode feature description

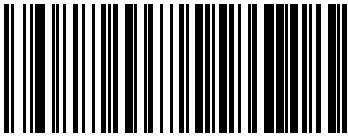
COUNTRY MODE (continued)



Country Mode = Spain



Country Mode = Sweden



Country Mode = Switzerland*

*Supports only the interfaces listed in the Country Mode feature description

Caps Lock State

This option specifies the format in which the reader sends character data. This applies to keyboard wedge interfaces. This does not apply when an alternate key encoding keyboard is selected.

Numlock

This option specifies the setting of the Numbers Lock (Numlock) key while in keyboard wedge interface. This only applies to alternate key encoding interfaces. It does not apply to USB keyboard.

Programming

The reader is factory-configured with a set of standard default features. After scanning the interface barcode from the Interfaces section, you can select other options and customize your reader through use of the instructions and programming barcodes available in the Gryphon™ I Product Reference Guide (PRG). Check the corresponding features section for your interface, and also the Data Editing and Symbologies chapters of the PRG.

Using Programming Barcodes

This manual contains barcodes which allow you to reconfigure your reader. Some programming barcode labels, like the Standard Product Default Settings on page 30, require only the scan of that single label to enact the change.

Other barcodes require the reader to be placed in Programming Mode prior to scanning them. Scan an ENTER/EXIT barcode once to enter Programming Mode; scan the desired parameter settings; scan the ENTER/EXIT barcode again to accept your changes, which exits Programming Mode and returns the reader to normal operation.

Configure Other Settings

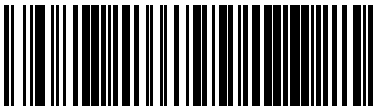
Additional programming barcodes are available in the Gryphon™ I PRG to allow for customizing programming features. If your installation requires different programming than the standard factory default settings, refer to the PRG.

Resetting Standard Product Defaults

Reference the PRG for a listing of standard factory settings. If you aren't sure what programming options are in your reader, or you've changed some options and want the factory settings restored, scan the **Standard Product Default Settings** barcode below to copy the factory configuration for the currently active interface to the current configuration.

Factory defaults are based on the interface type. Configure the reader for the correct interface before scanning this label.

NOTE



Standard Product Default Settings

Stand Detection

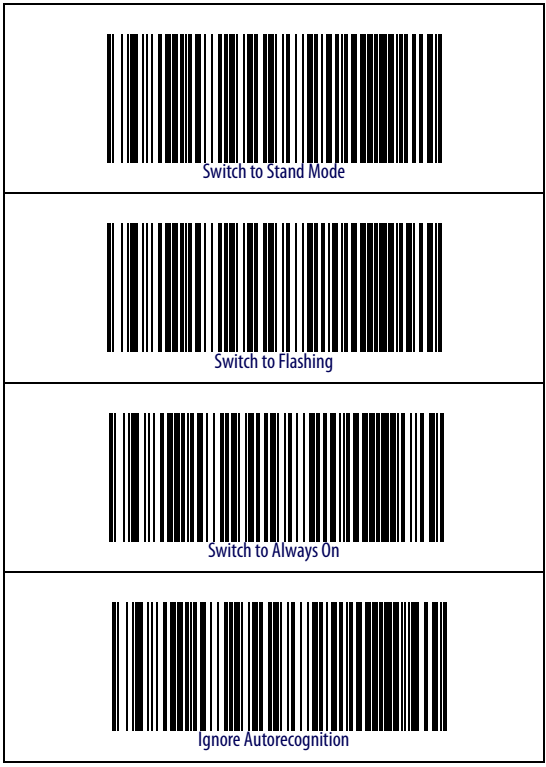
The following labels control how the scanner behaves when it is placed into a cradle or stand that has the hardware to support automatic stand detection.

Switch to Stand Mode: Automatically switches the scanner to Stand Mode when the scanner is placed in the stand.

Switch to Flashing: Automatically switches the scanner to Flash Mode when the scanner is placed in the stand.

Switch to Always On: Automatically switches the scanner to Always On mode when the scanner is placed in the stand.

Ignore Autorecognition: Disables mode switching when the scanner is placed in a stand.



Technical Specifications

The following table contains Physical and Performance Characteristics, User Environment and Regulatory information.

Item	Description
Physical Characteristics	
Color	White/Gray Black/Gray
Dimensions	Height 7.1″/181 mm Length 3.9″/100 mm Width 2.8″/71 mm
Weight (without cable)	Approximately 8.7 ounces/246 g (reader with display) 8.7 ounces/246 g (base charger)
Electrical Characteristics	
Battery Type	Li-Ion battery pack
Charge time for full charge from full discharge	4 hours with external power supply adapter[a]
	max 22h hours with Host power (in this case no supply adapter is needed)[a]
Operating autonomy (continuous reading)	30,000 reads (typical)
Cradle consumption and DC input supply range	Volt 4.75-14 VDC; Power <8W[b]; Imax 500mA when in host/bus powered mode[b].
Performance Characteristics	
Light Source	LEDs
Roll (Tilt) Tolerance	± 35° from normal
Pitch Tolerance	± 65°
Skew (Yaw) Tolerance	± 65°
Field of View	10″ (25.4cm) wide at 12.5″ (31.8cm) from the reader
Depth of Field (Typical)[c]	3 mil – 2.9″ to 4.7″ (7.5cm to 12cm) 13 mil[d] – 1.2″ to 23.6″ (3cm to 60cm) 20 mil – 1.2″ to 31.5″ (3cm to 80cm)

Item	Description
Minimum Element Width	3 mil
Print Contrast Minimum	15% minimum reflectance
Decode Capability	UPC/EAN/JAN, P2 /P5 add-ons; Code 39; Italian Pharmacode 39; Code 128; C128 ISBT; Code 128 add-ons; I 2 of 5; Standard 2 of 5; Code 11;Codabar; EAN 128; Code 93; MSI; GS1 DataBar™ Omnidirectional, GS1 DataBar™ Limited, GS1 DataBar™ Expanded; Code4, Code5.
Interfaces Supported[d]	RS-232 Std, RS-232 Wincor-Nixdorf, RS-232 OPOS, IBM 46xx (ports5B and 9B), USB Com Std., USB Keyboard, USB Alternate Keyboard, USB OEM, Keyboard Wedge (AT with or w/o Alternate Key, IBM AT PS2 with or w/o Alternate Key, PC-XT, IBM 3153, IBM Terminals 31xx, 32xx,34xx, 37xx make only and make break keyboard, Digital Terminals VT2x, VT3xx, VT4xx, and Apple) and Wand Emulation.
User Environment	
Operating Temperature	32° to 122° F (0° to 50° C)
Charging Temperature	32° to 104° F (0° to 40° C)
Storage Temperature	-4° to 158° F (-20° to 70° C)
Humidity	Operating: 5% to 90% relative humidity, non-condensing
Drop Specifications	Scanner withstands 18 drops from 1.8 meters (5.9 feet) to concrete
Ambient Light Immunity	Up to 100,000 Lux
Contaminants Spray/rain Dust/particulates	IEC 529-IP52 (scanner only)
ESD Level	16 KV

a. Charge Times are much lower when battery is within daily typical operating condition.

b. Typical input current measured under factory default configuration.

c. 13 mils DOF based on EAN. All others are Code 39. All labels grade A, typical environmental light, 20°C, label inclination 10°

d. See Interface Selection on page 18 for a listing of available interface sets by model type.

Item	Description
Regulatory	
Electrical Safety	UL 60950, CSA C22.2 No. 60950, IEC 60950
EMI/RFI	**Obtained:** Europe - CE, Australia - C-tick, Russia – GOST, USA/CANADA – FCC/IC, Japan – JRF/VCCI **Pending:** Mexico - NOM + Cofetel, South Korea - KCC, Brazil - ANATEL, Argentina - CNC
LED class safety	IEC Class 1
Radio Features	
Frequency Range	2400 to 2483.5 MHz
Range (in open air)	30 m

LED and Beeper Indications

The reader's beeper sounds and its LED illuminates to indicate various functions or errors on the reader. An optional "Green Spot" also performs useful functions. The following tables list these indications. One exception to the behaviors listed in the tables is that the reader's functions are programmable, and may or may not be turned on. For example, certain indications such as the power-up beep can be disabled using programming barcode labels.

INDICATION	DESCRIPTION	LED	BEEPER
Power-up Beep	The reader is in the process of powering-up.		Reader beeps four times at highest frequency and volume upon power-up.
Good Read Beep	A label has been successfully scanned by the reader.	LED behavior for this indication is configurable via the feature "Good Read: When to Indicate" (see the PRG for information.)	The reader will beep once at current frequency, volume, mono/bi-tonal setting and duration upon a successful label scan.
ROM Failure	There is an error in the reader's software/programming	Flashes	Reader sounds one error beep at highest volume.
Limited Scanning Label Read	Indicates that a host connection is not established when the IBM or USB interface is enabled.	N/A	Reader 'chirps' six times at the highest frequency and current volume.
Reader Active Mode	The reader is active and ready to scan.	The LED is lit steadily[a]	N/A

INDICATION	DESCRIPTION	LED	BEEPER
Reader Disabled	The reader has been disabled by the host.	The LED blinks continuously	N/A
Green Spot is on continuously	While in Stand Mode or Trigger Stand Mode the green spot shall be on while in stand watch state.	N/A	N/A
Green Spot[a] flashes momentarily	Upon successful read of a label, the software shall turn the green spot on for the time specified by the configured value.	N/A	N/A
Programming Mode - The following indications ONLY occur when the reader is in Programming Mode.			
Label Programming Mode Entry	A valid programming label has been scanned.	LED blinks continuously	Reader sounds four low frequency beeps.
Label Programming Mode Rejection of Label	A label has been rejected.	N/A	Reader sounds three times at lowest frequency and current volume.
Label Programming Mode Acceptance of Partial Label	In cases where multiple labels must be scanned to program one feature, this indication acknowledges each portion as it is successfully scanned.	N/A	Reader sounds one short beep at highest frequency and current volume.

INDICATION	DESCRIPTION	LED	BEEPER
Label Programming Mode Acceptance of Programming	Configuration option(s) have been successfully programmed via labels and the reader has exited Programming Mode.	N/A	Reader sounds one high frequency beep and 4 low frequency beeps followed by reset beeps.
Label Programming Mode Cancel Item Entry	Cancel label has been scanned.	N/A	Reader sounds two times at low frequency and current volume.

a. Except when in sleep mode or when a Good Read LED Duration other than 00 is selected

Error Codes

Upon startup, if the reader sounds a long tone, this means the reader has not passed its automatic Selftest and has entered FRU (Field Replaceable Unit) isolation mode. If the reader is reset, the sequence will be repeated. The following table describes the LED flashes/beep codes associated with an error found.

NUMBER OF LED FLASHES/ BEEPS	ERROR	CORRECTIVE ACTION
1	Configuration	Contact Helpdesk for assistance
2	Interface PCB	
4	Reader Module	
5	Laser Pointer (if so equipped)	
6	Digital PCB	
14	CPLD/Code Mismatch	

Base Station Indications

INDICATION	LEDS
Power-up Complete	Yellow LED on
Reader Disabled by the HOST or the communication with HOST is not established	Yellow LED blinking ~1Hz
Data/labels are transmitted to the HOST	Yellow LEDs turned off for 100mSec
Programming Mode	Yellow LED blinks quickly
Configuration alignment with the HH is in progress	Red LED blinks quickly
Battery charger in progress	Red LED on
Battery charger complete	Green LED on
Battery charger error	Green LED and Red LEDs blink alternatively ~1Hz
No HH is placed on the cradle	Red and Green LEDs off

Regulatory Information

All models 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 equipment, not expressly approved by Datalogic could void the user's authority to operate the equipment.

Statement of Agency Compliance

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.

FCC Class B Compliance Statement

The user is cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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 or television technician for help.

FCC RF Radiation Exposure Statement

Exposure to Radio-Frequency Radiation

To comply with FCC RF exposure compliance requirements, for mobile configurations, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Canadian Notice

This equipment does not exceed the Class B limits for radio noise emissions as described in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la classe B prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

Do not attempt to open or otherwise service any components in the optics cavity. Opening or servicing any part of the optics cavity by unauthorized personnel may violate laser safety regulations.

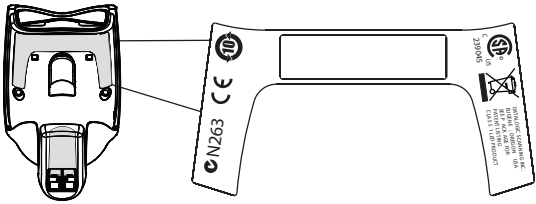
Power Supply

This device is intended to be connected to a UL Listed/CSA Certified computer which supplies power directly to the reader or else be supplied by UL Listed/CSA Certified Power Unit marked "Class 2" or LPS power source rated 5-14V minimum 900mA, which supplies power directly to the Base/Charger via the power connector of the Base itself.

Imager Labeling

Sample labels are shown here to illustrate their location only. Please view the labels on your product for actual details.

Scanner Regulatory Label



Base Station Label

WEEE Statement

Waste Electrical and Electronic Equipment (WEEE) Statement

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

Italian
Per informazioni sullo smaltimento delle apparecchiature elettriche ed elettroniche consultare il sito Web www.scanning.datalogic.com.

French
Pour toute information relative à l'élimination des déchets électroniques (WEEE), veuillez consulter le site internet www.scanning.datalogic.com.

German
Informationen zur Entsorgung von Elektro- und Elektronik- Altgeräten (WEEE) erhalten Sie auf der Webseite www.scanning.datalogic.com.

Spanish
Si desea información acerca de los procedimientos para el desecho de los residuos del equipo eléctrico y electrónico (WEEE), visite la página Web www.scanning.datalogic.com.

Portuguese
Para informações sobre a disposição de Sucatagem de Equipamentos Elétricos e Eletrônicos (WEEE -Waste Electrical and Electronic Equipment), consultar o site web www.scanning.datalogic.com.

Chinese
有关处理废弃电气电子设备（WEEE）的信息， 请参考 Datalogic 公司的网站 www.scanning.datalogic.com/。

Japanese
廃電気電子機器 (ＷＥＥＥ) の処理についての関連事項は Datalogic のサイト www.scanning.datalogic.com をご参照下さい。

Warranty

Datalogic warrants to Customer that Datalogic's products will be free from defects in materials and workmanship for a period of one year from product shipment. This warranty does not extend to batteries and cables. As consumable items batteries and cables carry a 90 day warranty from time of purchase for DOA (dead on arrival) defects.
In order to obtain service under this Warranty, Customer must notify Datalogic of the claimed defect before the expiration of the Warranty period and obtain from Datalogic a return authorization number for return of the product to 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.
Warranty is subject to the limitations and exclusions set forth in the paragraphs that follow.
WARRANTY SET FORTH ABOVE IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS.

Exclusions

Warranty coverage shall not apply to any claimed defect, failure or damage which Datalogic determines was caused by: improper use of product; failure to provide product maintenance, including but not limited to cleaning of the upper window in accordance with product manual; installation or service of product by other than Datalogic representatives; use of product with any other instrument, equipment or apparatus; modification or alteration of product. External cables and replacement of upper window/cartridge due to scratching, stains or other degradation will not be covered under the Warranty. External power supplies returned for service must be accompanied by the original product for performance of service.

Limitation of Liability

Datalogic's REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCT AS SET FORTH ABOVE IS THE CUSTOMER'S SOLE AND EXCLUSIVE REMEDY ON ACCOUNT OF CLAIMS OF BREACH OF WARRANTY OR PRODUCT DEFECT. 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.

Assignment

Customer may not assign or otherwise transfer its rights or obligations under 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.

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 or product being returned to Customer by Datalogic, except such loss or damage as may be caused by the negligence of Customer, its agents or employees. 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.

Ergonomic Recommendations

In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

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.

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 bar code printing.

Service & Support

- **Technical Support** - 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

NOTES

DECLARATION OF CONFORMITY

CE 09

Datalogic Scanning Group Srl
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40012 Italy

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declares that the
déclare que le
bescheinigt, daß das Gerät
declare que el

Gryphon I GBT 41xx ; Cordless Barcode Reader
Gryphon BC 40xx ; Cordless Base Station /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:
cumple con los requisitos de las Directivas del Consejo Europeo, según la lista siguiente:

1999/05/EC

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 301 489-17 v1.3.2, April 2008 : *Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for 2,4 GHz wideband transmission systems, 5 GHz high performance RLAN equipment and 5,8 GHz Broadband Data Transmitting Systems*

ETSI EN 300 328 v1.7.1, October 2006 : *Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz 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*

Lippo di Calderara, November 5th , 2009

Ruggero Cacioppo
Quality Assurance Manager

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