

Gryphon[™]I GM4100

General Purpose Handheld Linear Imager Barcode Reader



Quick Reference Guide

Datalogic Scanning, Inc.

959 Terry Street Eugene, Oregon 97402 Telephone: (541) 683-5700 Fax: (541) 345-7140

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Patents

Design Pat.: EP 870,787.

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; 1,396,811 B1.

Additional patents pending.

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Gryphon™ I GM4100 Quick Reference Guide

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

This equipment complies with FCC radiation exposure limits under Specific Absorption Rate (SAR) tests for portable devices operating closer than 20 cm to nearby persons, set forth in an uncontrolled environment. The Gryphon M4100 cordless imaging reader has been demonstrated to meet these RF emissions safety limits.

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.

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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 Multhomah 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.
- 11.5 Attorneys' Fees. In the event an action is brought to enforce the terms and conditions of this Agreement, the prevailing party shall be entitled to reasonable attorneys' fees, both at trial and on appeal.

- 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. Install the Batteries
- 2. Connecting the Base Station
- 3. Select the Interface Type
- 4. Configure Other Settings (if not using factory settings for that interface)

Battery Safety

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



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



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 below:

- 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.



Always charge the battery at 32° – $104^\circ F$ (0° - $40^\circ C$) 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.

Install the Batteries



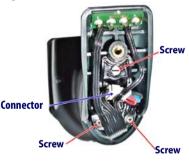
Before installing the Battery, read "Battery Safety" on the preceding pages. Datalogic recommends annual replacement of rechargeable battery packs to ensure maximum performance.

To install or change the battery of your reader, you must:

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 in the picture 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

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



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

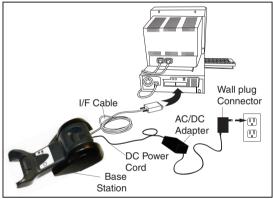
Figure 1 shows how to connect the Base Station to a terminal, PC or other host device. Turn off the host before connection and consult the manual for that equipment (if necessary) before proceeding. Connect the interface cable before applying power to the Base Station.



Gryphon Mobile 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.





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 15.

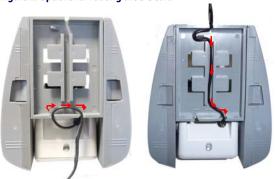


Figure 2. Options for routing the DC cord

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

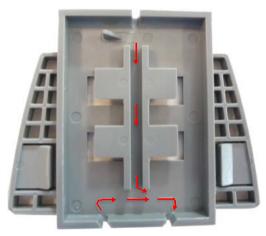
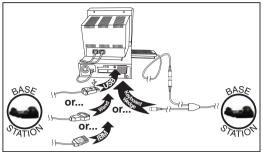


Figure 3. Arrows showing routing

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 16. 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.



Gryphon Mobile 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



Linking the Reader to a Base Station

RF Devices

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 action command before relinking to the new base.



System and Network Layouts

Stand Alone Layouts

Figure 6. Single Reader Layout

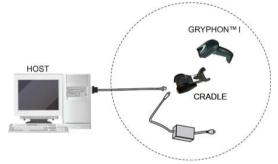
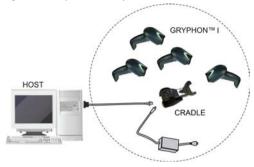
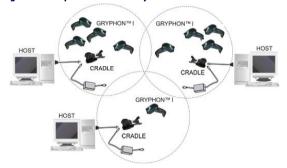


Figure 7. Multiple Reader Layout



In stand alone systems, each cradle is connected to a single Host. Figure 8. Multiple Stand Alone Layouts



Many stand alone connections can operate in the same physical area without interference, provided all readers and cradles in the system have different addresses.

Using the BC40xx[™] Radio Base

Base LEDs

LEDs on the Gryphon I Base provide information about the Base's status, as shown in Figure 9.

Figure 9. Gryphon I Base LEDs



The following table describes the significance of each LED:

	LED	STATUS
4	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 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 Base.

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

Display

The Gryphon I is also available with an optional Display. The FSTN Display with white LED backlight provides additional information.

Figure 10. Gryphon™ I Display



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 GD4100/GM4100 Product Reference Guide (PRG). Check the corresponding features section for your interface, and also the Data Editing and Symbologies chapters of the PRG.

Using the 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 21, 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, then scan the ENTER/EXIT barcode a second time to accept your changes, exit Programming Mode and return the reader to normal operation.

Select the Interface Type

Upon completing the physical connection between the reader and its host, proceed directly to Interface Selection on page 22 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.

Configure Other Settings

Additional programming barcodes are available in the GryphonTM I GD4100/GM4100 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

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.



Standard Product Default Settings

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

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

Configuring the Interface

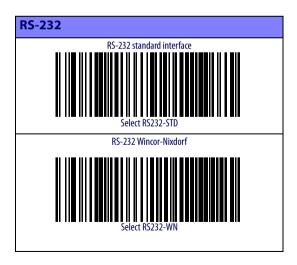
Scan the programming barcode which selects the appropriate interface type matching the system the reader will be connected to. Next, proceed to the corresponding chapter in the GryphonTM I GD4100/GM4100 PRG to customize any settings and features associated with that interface.

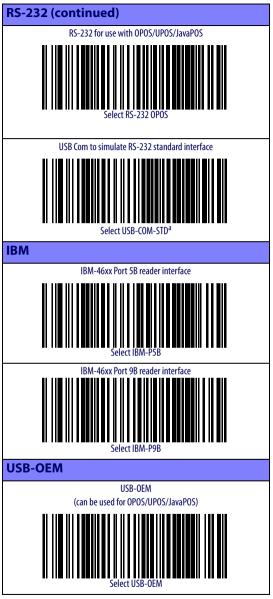


NOTE

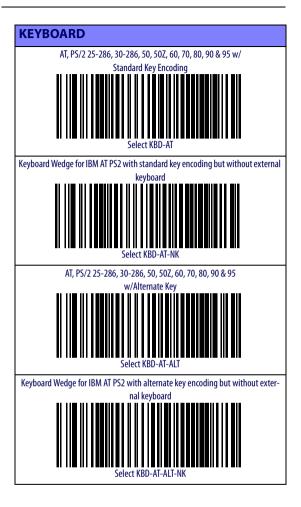
Unlike some other programming features and options, interface selections require that you scan only one programming barcode label. DO NOT scan an ENTER/ EXIT barcode prior to scanning an interface selection barcode.

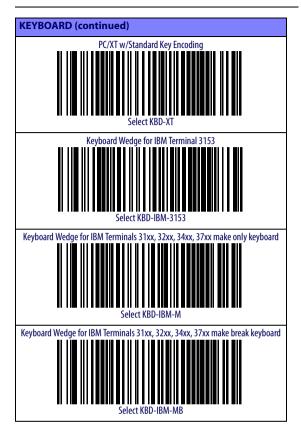
Some interfaces require the scanner to start in the disabled state when powered up. If additional scanner configuration is desired while in this state, pull the trigger and hold for 5 seconds. The scanner will change to a state that allows programming with barcodes.

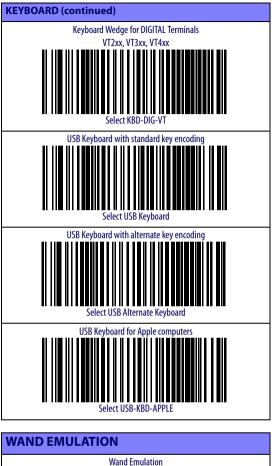




a. Download the correct USB Com driver from www.datalogic.com









Keyboard Interface

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

Standard Factory Settings

Reference the Gryphon[™] I GD4100/GM4100 Product Reference Guide (PRG) for a listing of standard factory settings.

Scancode Tables

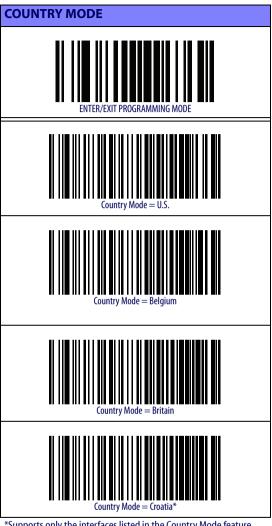
Reference the Gryphon™ I GD4100/GM4100 PRG for information about control character emulation which applies to keyboard interfaces.

Country Mode

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

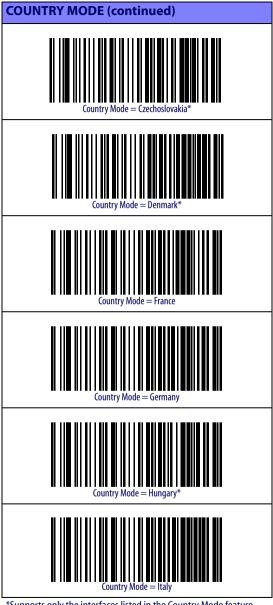
- USB Keyboard (without alternate key encoding)
- AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 w/Std Key Encoding
- Keyboard Wedge for IBM AT PS2 with standard key encoding but without external keyboard
- AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 without Alternate Key
- Keyboard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

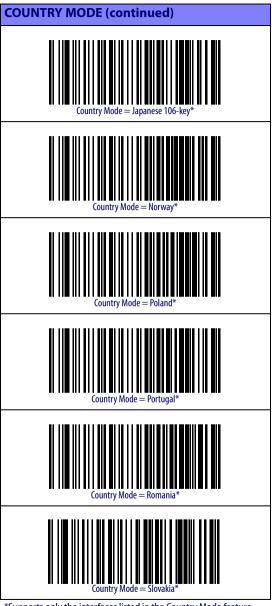


*Supports only the interfaces listed in the Country Mode feature description

Country Mode

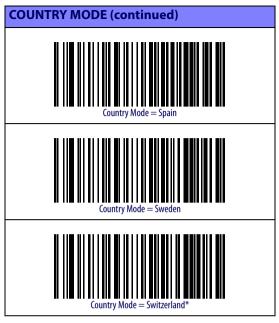


*Supports only the interfaces listed in the Country Mode feature description



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

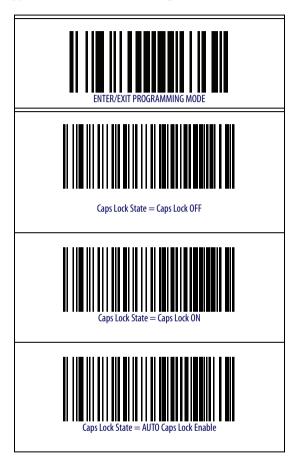
Country Mode



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

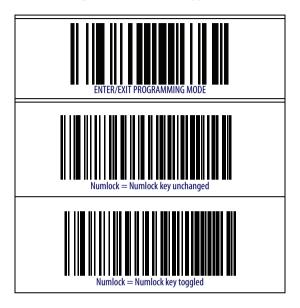
Caps Lock State

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.



Technical Specifications

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

ltem	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-lon 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)	50,000 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 Characteris	tics
Light Source	LEDs
Roll (Tilt) Tolerance	\pm 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)
Minimum Element Width	3 mil

ltem	Description
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 Key- board, 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 Ter- minals 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

 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 22 for a listing of available interface sets by model type.

ltem	Description		
Regulatory			
Electrical Safety	UL 60950, CSA C22.2 No. 60950, IEC 60950		
EMI/RFI	433 MHz model Europe - CE, Russia – Gost; Australia – Ctick; China – SRRC; Singapore – IDA,	910 MHz model USA/Canada – FCC/IC; Pending: Mexico – NOM + Cofetel	
	Pending: Brasile — Anatel		
LED class safety	IEC Class 1		
Radio Features			
	433MHz model	910MHz model	
Working Center Frequency	433.920 MHz	910.000 MHz	
Range (in open air)	30 m	15 m	
System Configuration			
	433MHz model	910MHz model	
Max. number of devices per base station	16	16	

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 fre- quency and vol- ume upon power-up.
Good Read Beep	A label has been successfully scanned by the reader.	LED behavior for this indica- tion is configu- rable via the feature "Good Read: When to Indicate" (see the PRG for information.)	The reader will beep once at cur- rent frequency, volume, mono/ bi-tonal setting and duration upon a success- ful label scan.
ROM Failure	There is an error in the reader's software/pro- gramming	Flashes	Reader sounds one error beep at highest volume.
Limited Scan- ning 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 fre- quency and cur- rent 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 momen- tarily	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 I in Programming M	Mode - The following i ode.	ndications ONLY occu	r when the reader is
Label Program- ming Mode Entry	A valid program- ming label has been scanned.	LED blinks con- tinuously	Reader sounds four low fre- quency beeps.
Label Program- ming Mode Rejection of Label	A label has been rejected.	N/A	Reader sounds three times at lowest fre- quency and cur- rent volume.
Label Program- ming Mode Acceptance of Partial Label	In cases where multiple labels must be scanned to program one feature, this indi- cation acknowl- edges each portion as it is successfully scanned.	N/A	Reader sounds one short beep at highest fre- quency and cur- rent volume.

INDICATION	DESCRIPTION	LED	BEEPER
Label Program- ming 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 fre- quency beep and 4 low frequency beeps followed by reset beeps.
Label Program- ming Mode Can- cel 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	
2	Interface PCB	Contract Hala deals for
4	Reader Module	
5	Laser Pointer (if so equipped)	Contact Helpdesk for assistance
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 com- munication 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

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.

Regulatory Information

All models are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

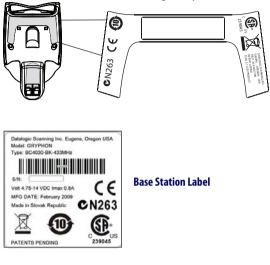
Any changes or modifications to equipment, not expressly approved by Datalogic could void the user's authority to operate the equipment.

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

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



Scanner Regulatory 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: http://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 3 years 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, if the shipment is to a location within the country in which the Datalogic service to Customer 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.





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DECLARATION OF CONFORMITY



EC-056 Rev.: 0 Pag.: 1 di 1

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

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

Gryphon GM 41xx ; Cordless Barcode Reader Gryphon BC 40xx ; Cordless Base Station /Charger Gryphon CHR-GM40 ; Charger Only Base

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

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

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 9KHZ AND 40GHZ
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 25MHZ TO 1000MHZ FREQUENCY RANGE WITH POWER LEVELS RANGING UP TO SOOMW; PART 3: HARMONIZE DIN COVERNIE 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, February 24th , 2009	Ruggero Cacioppo Quality Assurance Manager Rugguo Bcioppo

Australia

Datalogic Scanning Pty Ltd Telephone: [61] (2) 9870 3200 australia.scanning@datalogic.com

France and Benelux

Datalogic Scanning SAS Telephone: [33].01.64.86.71.00 france.scanning@datalogic.com

Germany

Datalogic Scanning GmbH Telephone: 49 (0) 61 51/93 58-0 germany.scanning@datalogic.com

India

Datalogic Scanning India Telephone: 91- 22 - 64504739 india.scanning@datalogic.com

Italy

Datalogic Scanning SpA Telephone: [39] (0) 39/62903.1 italy.scanning@datalogic.com

Japan

Datalogic Scanning KK Telephone: 81 (0)3 3491 6761 japan.scanning@datalogic.com

Latin America

Datalogic Scanning, Inc Telephone: (305) 591-3222 latinamerica.scanning@datalogic.com

Singapore

Datalogic Scanning Singapore PTE LTD Telephone: (65) 6435-1311 singapore.scanning@datalogic.com

Iberia Datalogic Scanning SAS Sucursal en España Telephone: 34 91 746 28 60 spain.scanning@datalogic.com

United Kingdom

Datalogic Scanning LTD Telephone: 44 (0) 1582 464900 uk.scanning@datalogic.com

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www.scanning.datalogic.com

Datalogic Scanning, Inc.

959 Terry Street Eugene, OR 97402 USA Telephone: (541) 683-5700 Fax: (541) 345-7140



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