

**gryphon**<sup>TM</sup>

**Bluetooth<sup>®</sup> Cordless System**

**Instinctive Reading Intelligent Scanner**

**DATALOGIC**  
Your Life. Our Enthusiasm<sup>TM</sup>



Complete Solution



Blue Spot



RSS & PDF417 Codes



Hand-Held Readers

## General Description

Gryphon<sup>TM</sup> BT 100 and BT200 share the same powerful architecture of the other models of the Gryphon<sup>TM</sup> family, with a special addition: the latest innovation in the wireless communication, Bluetooth<sup>®</sup> technology. This technology provides the operator with wider mobility and no cable constraint. Bluetooth<sup>®</sup> is a standard defined worldwide, and it allows various devices manufactured by different companies to easily connect and communicate with each other.

The new Gryphon<sup>TM</sup> BT contains the Datalogic Bluetooth<sup>®</sup> radio module, which is compliant with the up-to-date Bluetooth<sup>®</sup> 1.2 standard. It can communicate with its base receiver or any PC, Laptop, PDA, mobile phone, printer etc. that includes an embedded Bluetooth<sup>®</sup> module or an external commercial Bluetooth<sup>®</sup> dongle. The implemented Bluetooth<sup>®</sup> profile (i.e. the "protocol" used for communication) is provided by the SPP=Serial Port Profile: the Bluetooth<sup>®</sup> device is seen by the host like a virtual COM port. Moreover, the enclosed software utility has been developed to convert serial input to keyboard emulation, providing more interface possibilities for the user.

Bluetooth<sup>®</sup> technology has been added to a first class scanner. Thanks to the state-of-art optics and a decode rate of 270 scans/sec, reading performance in terms of decoding capability and reading quickness makes the Gryphon<sup>TM</sup> BT very user friendly, intuitive and fast.

Furthermore, the "blue spot" produced by the Gryphon<sup>TM</sup> BT, provides "good reading" feedback directly on the code and makes the user's job easier, especially in noisy environments.

## Features

- > Bluetooth<sup>®</sup> 1.2 compliant (Serial Port Profile)
- > Virtual COM and keyboard emulation data input
- > High speed data transmission: zero delay
- > RSS symbologies, PDF417 and linear bar code decoding
- > Package contents:
  - Gryphon<sup>TM</sup> BT
  - OM Gryphon<sup>TM</sup> BT receiver or C-Gryphon<sup>TM</sup> charger
  - CD-ROM Gryphon<sup>TM</sup> BT
  - Gryphon BT<sup>TM</sup> Quick Reference
- > Sunrise 2005 compliant

## Applications

- > "Cable replacement" for POS/In-Store
- > Document Handling
- > Shop Inventory Management

## Specifications

### BLUETOOTH® RADIO COMMUNICATION

CONFORMITY	R&TTE and Bluetooth 1.2 Qualified 802.11b co-existence
RADIO FREQUENCY	2.4 to 2.48 GHz
COMMUNICATION	SPP (Serial Port Profile) Bluetooth 1.1 compliant
EFFECTIVE RADIATED POWER	Up to 4 dBm transmit power for class 2 operation
BIT RATE	Up to 921 Kbps
RADIO RANGE	10 m in a typical environment

### ELECTRICAL CHARACTERISTICS

POWER SUPPLY	Direct plug-in 9-28 VDC (C-Gryphon™ B/C)
BATTERY TYPE	2 AA NiMh batteries
RECHARGE TIME	4 hours max.
OPERATING AUTONOMY	24,000 reads - NiMh
POWER CONSUMPTION	8W max. (C-Gryphon™ B/C)

### MECHANICAL CHARACTERISTICS

DIMENSIONS	208 x 107 x 55.5 mm
WEIGHT	280 g (Gryphon™ BT with batteries); 250 g (C-Gryphon™ B/C)
CASE MATERIAL	ABS and Polycarbonate, plus co-moulded rubber

### PERFORMANCE

SENSOR	CCD solid state (3648 pixels)
MAX. SCAN RATE	270 scans/sec
MAX. RESOLUTION	0.076 mm (3 mils)
PRINT CONTRAST RATIO (min.)	pcs=15%
INTERFACES	RS232 (C-Gryphon™ B/C)
READING ANGLE	Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)
READING INDICATORS	Good Read Blue LED, "Blue spot" on the code, adjustable tone "beeper" (Gryphon™ BT), Battery Charging (red), Charge completed (green), Power (yellow) (C-Gryphon™ B/C)

### ENHANCED FEATURES

BAR CODES	Puzzle Solver™, data editing and data concatenation RSS variants, 2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, ISBN/ISSN, EAN 128, Code 128, ISBT 128, Code 93, Code 11, CODABAR, TELEPEN, PLESSEY, Code MSI, Code Delta IBM, Code 16K, Code 49 PDF 417
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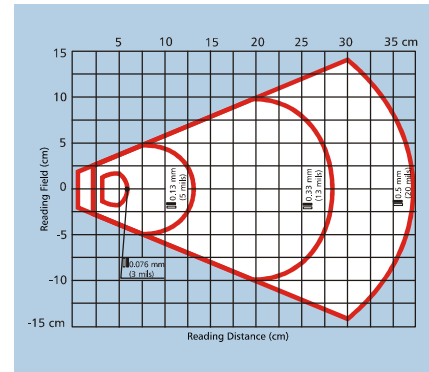
### PROGRAMMING METHOD

BT200 Model	
Manual	Reading special bar codes
Automatic (with RS232)	S/W commands through the serial port
Sm@rtSet™	Windows configuration program

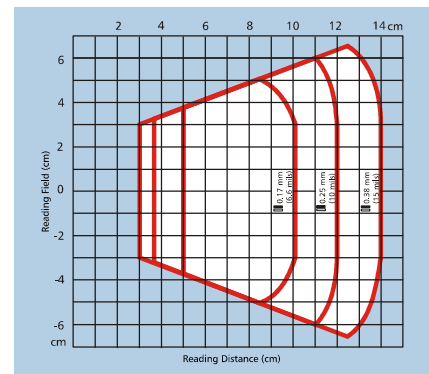
### ENVIRONMENTAL CHARACTERISTICS

DROP RESISTANCE	IEC68-2-32 TEST ED, resists repeated drops from 1.8m onto a concrete surface
OPERATING TEMPERATURE	0 to 40° C (32 to 104° F)
STORAGE TEMPERATURE	-20 to 70° C (-4 to 158° F)
AMBIENT LIGHT CONDITIONS	Up to 100.000 lux
HUMIDITY	90% non condensing
ENVIRONMENTAL PROTECTION	IP30

## Reading Diagrams



Standard reading zone



PDF417 reading zone

## Connectivity



The introduction of Bluetooth® technology offers a wireless cost-effective solution when basic cable-free mobility is required. The Gryphon™ bar code reader can be connected to mobile computers, printers, mobile phones and other Bluetooth® compliant devices. The new Gryphon™ BT provides new application possibilities. A bar code reader can now be used, for example, in mobile shopping applications by simply transmitting data to a Laptop or a PDA. Bluetooth® is a standard communication protocol that provides full connectivity between various devices. It guarantees quick and reliable communication and data transmission.