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DISCLAIMER

Datalogic has taken reasonable measures to provide information in this manual that is complete and accurate, however, Datalogic reserves the right to change any specification at any time without prior notice. Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo is a trademark of Datalogic S.p.A. all licensed to Datalogic Scanning, Inc. All other trademarks and trade names referred to herein are property of their respective owners.

SERVICES AND SUPPORT

Datalogic provides several services as well as technical support through its website. Log on to www.scanning.datalogic.com and click on the [links](#) indicated for further information including:

- PRODUCTS**
Search through the links to arrive at your product page where you can download specific [Manuals](#) and [Software & Utilities](#).
- SERVICES & SUPPORT**
 - [Datalogic Services](#) - Warranty Extensions and Maintenance Agreements
 - [Authorised Repair Centres](#)
- CONTACT US**
E-mail form and listing of Datalogic Subsidiaries

WARRANTY

Datalogic warrants this product against defects in workmanship and materials, for a period of 5 years from the date of shipment, provided that the product is operated under normal and proper conditions.

Datalogic has the faculty to repair or replace the product; these provisions do not prolong the original warranty term.

The warranty does not apply to any product that has been subject to misuse, accidental damage, unauthorized repair or tampering.

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HERON Dxxx

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:

89/336/EEC EMC Directive	e and et und y	92/31/EEC, 93/68/EEC	emendamenti successivi further amendments ses successifs amendements späteren Abänderungen sucesivas enmiendas
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Basate sulle legislazioni degli Stati membri in relazione alla compatibilità elettromagnetica ed alla sicurezza dei prodotti.
 On the approximation of the laws of Member States relating to electromagnetic compatibility and product safety.
 Basée sur la législation des Etats membres relative à la compatibilité électromagnétique et à la sécurité des produits.

Über die Annäherung der Gesetze der Mitgliedsstaaten in bezug auf elektromagnetische Verträglichkeit und Produktsicherheit entsprechen.
 Basado en la aproximación de las leyes de los Países Miembros respecto a la compatibilidad electromagnética y las Medidas de seguridad relativas al producto.

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:

EN 55022 (Class B ITE), August 1994:
AMENDMENT A1 (Class B ITE), October 2000:

LIMITS AND METHODS OF MEASUREMENTS OF RADIO
 DISTURBANCE CHARACTERISTICS OF INFORMATION
 TECHNOLOGY EQUIPMENT

EN 55024, SEPTEMBER 1998:

INFORMATION TECHNOLOGY EQUIPMENT
 IMMUNITY CHARACTERISTICS
 LIMITS AND METHODS OF MEASUREMENT



Heron™

D130 READERS

QUICK REFERENCE GUIDE



820001205eng (Rev. F)

9/07

UPDATES AND LANGUAGE AVAILABILITY

UK/US

The latest drivers and documentation updates for this product are available on Internet.

Log on to: www.scanning.datalogic.com

I

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

F

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

D

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

Adresse : www.scanning.datalogic.com

E

En Internet están disponibles las versiones actualizadas de los drivers y documentación de este producto. También está disponible la versión en español de este manual.

Dirección Internet : www.scanning.datalogic.com

CONNECTIONS

USB



WEDGE



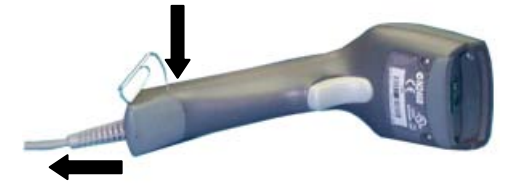
RS232



PEN



DISCONNECTING THE CABLE



COMPLIANCE

LED CLASS

Class 1 LED product.

This product conforms to EN60825-1:2001.

FCC COMPLIANCE

Modifications or changes to this equipment without the expressed written approval of Datalogic could void the authority to use the equipment.

This device complies with PART 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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 a UL Listed/CSA Certified Power Unit marked "Class 2" or LPS power source rated 5 V, minimum 180 mA, which supplies power directly to the reader via the power connector of the cable.

WEEE COMPLIANCE



PATENTS

This product is licensed under the following U.S. patent:

6,158,661

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

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

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

Additional patents pending.

DEFAULT VALUES

USB-KBD DEFAULT SETTINGS

USA keyboard, FIFO enabled, inter-character and inter-code delays disabled, control character emulation = ctrl+shift+key.

DATA FORMAT: code identifier disabled, no field adjustment, code length not transmitted, no header, terminator = ENTER, character replacement disabled.

RS232 Standard DEFAULT SETTINGS

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

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

WEDGE DEFAULT SETTINGS

USA keyboard, caps lock off, caps lock auto-recognition enabled, num lock unchanged, inter-character and inter-code delays disabled, control character emulation = ctrl+shift+key.

DATA FORMAT: code identifier disabled, no field adjustment, code length not transmitted, no header, terminator = ENTER, character replacement disabled.

PEN DEFAULT SETTINGS

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

CODE SELECTION

Enabled codes

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

Disabled codes

EAN 128, ISBT128, Code 93, Codabar, pharmaceutical codes, MSI, Plessey, Telepen, Delta IBM, Code 11, Code 16K, Code 49, RSS Codes

TECHNICAL FEATURES

Heron™ D130

Electrical Features	
Power Supply	5 Vdc ± 5%
Consumption:	
Maximum	180 mA @ 5 Vdc
Operating	155 mA @ 5 Vdc
Sleep mode/USB Suspend	<500 μA @ 5 Vdc
Max. Scan Rate	256 scans/sec
Reading Indicators	LED, Good Read Spot, Beeper
Optical Features	
Sensor	CCD solid state (2048 pixels)
Illuminator	LED array
Wavelength	630 ~ 670 nm
Max. LED Output Power	0.31 mW
LED Safety Class	Class 1 EN 60825-1
Reading Field	2 ~ 27 cm (20 mils)
Max. Resolution	0.10 mm (4 mils)
PCS (Datalogic Test Chart)	min. 15%
Environmental Features	
Working Temperature	0 °C to + 55 °C (+32° to +131 °F)
Storage Temperature	-20 °C to + 70 °C (-4° to +158 °F)
Humidity	90% non condensing
Drop Resistance	IEC 68-2-32 Test ED 1.8 m (5.9 ft)
ESD Protection	16 KV
Protection Class	IP30
Mechanical Features	
Weight (without cable)	about 160 g (5.6 oz)
Cable Length	2 m (6 ft 6 in)

RESTORE DEFAULT

RESTORE DEFAULT



To change the defaults refer to the HHD II Software Configuration Manual, part number **90ACC1877**, or to the Configuration program, both downloadable from the website.

INTERFACE SELECTION

Select one of the interface codes according to your application.

USB INTERFACE SELECTION

USB-KBD



USB-KBD - ALT-mode



USB-COM *



USB-IBM-Hand Held



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

PEN EMULATION INTERFACE SELECTION

PEN



RS232 INTERFACE SELECTION

RS232 Standard



Nixdorf Mode A



Fujitsu



ICL Mode



WEDGE INTERFACE SELECTION

Wedge IBM AT or PS/2 PCs



PC Notebook



PC Notebook - ALT mode



IBM AT - ALT mode



Many other interfaces are supported and can be selected from the HHD II Software Configuration Manual available online at datalogic.com. Other supported interfaces:

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

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

KEYBOARD NATIONALITY

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

Belge



Deutsch



English



Español



Français



Italiano



Japanese



Svenskt



USA (Default)



DATA FORMAT TERMINATORS

For your convenience, some common Terminators are given below. For other Header/Terminator selections, Data Format and Advanced Data Format parameters, see the HHD II Software Configuration Manual.

CR-LF



Enter



Tab



None



OPERATING TEST

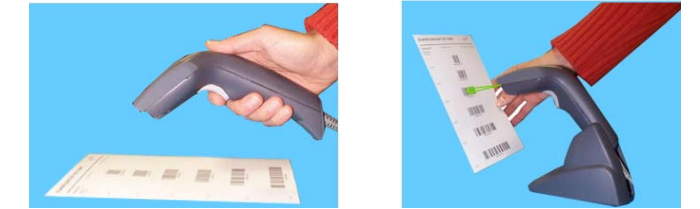
Read the TEST code below.

Code 128



t e s t

USING HERON™ SERIES READERS



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

Successful scanning is obtained by tilting the scanner with respect to the barcode to avoid direct reflections, which impair the reading performance, see the figure above.

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

By correctly inserting the reader into the stand, it is immediately ready to automatically read any code present in its reading area without pressing the trigger. Furthermore, a green aiming light is continuously emitted to facilitate the positioning of the barcode to be read, see the figure above.

To guarantee single code reading, same code consecutive reading requires the code to be removed from the reading area (no decoding) before the reader will accept the same code.

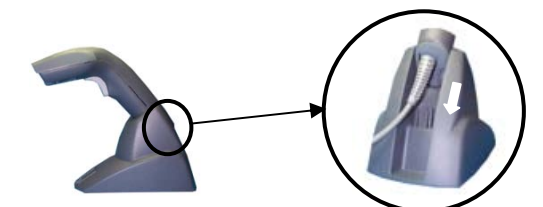
STAND INSTALLATION



The stand can be mounted by using self-tapping screws, double sided adhesive strips or rubber feet:

- mount the stand directly to the surface using the self-tapping screws;
- carefully clean the bottom surface of the stand and the table surface. Remove the protective plastic from one side of the adhesive strips and stick them on the stand bottom. Then, remove the plastic from the other side of the strips and affix the stand to the table;
- carefully clean the bottom surface of the stand, remove the protective film from the rubber feet and stick them in the corresponding housing on the bottom surface. It is also possible to fix an optional metal plate.

INSERTION INTO STAND



Pair the reader to the stand paying attention to insert the handle into the stand clip (see figure above). Correct insertion will be signaled by a beep; then, the reader will be ready to read barcodes.