

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

Search through the links to arrive at your product page where you can download specific **Manuals** and **Software & Utilities** including:

- **DL Sm@rtSet™** a Windows-based utility program which allows device configuration using a PC. It provides RS232 interface configuration as well as configuration barcode printing.

- **Datalogic Services** - Warranty Extensions and Maintenance Agreements

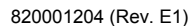
- **Authorized Repair Centres**

E-mail form and listing of Datalogic Subsidiaries

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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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 Änderungen 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 OF INFORMATION TECHNOLOGY EQUIPMENT

EN 55024, SEPTEMBER 1998:

INFORMATION TECHNOLOGY EQUIPMENT. IMMUNITY
CHARACTERISTICS, LIMITS AND METHODS OF MEASUREMENTS

Lippo di Calderara, September 8th, 2005

Ruggero Cacioppo
Ruggero Cacioppo
Quality Assurance Laboratory Manager

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

Log on to : www.datalogic.com

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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.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.datalogic.com

D

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

Adresse : www.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.datalogic.com

Class 1 LED product.

This product conforms to EN60825-1:2001.

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.

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.

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 disable.

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 RS232 interface	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 DL Sm@rtSet™ 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

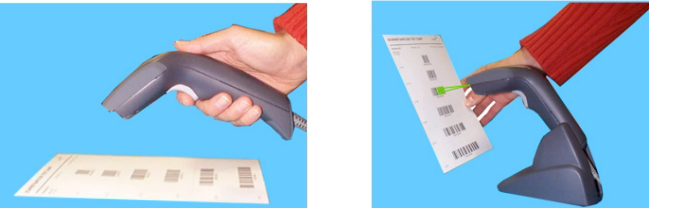
OPERATING TEST

Read the TEST codes 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.

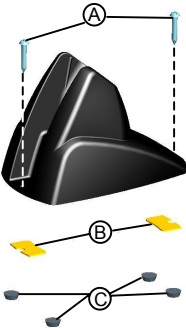
Successful scanning is obtained by tilting the scanner with respect to the barcode to avoid direct reflections which impair the reading performance, see the figure above.

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.

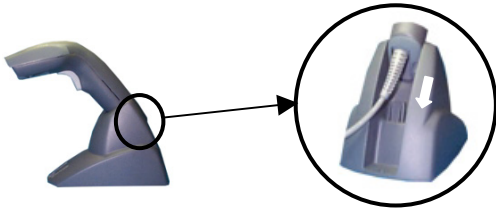
STAND INSTALLATION



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.