BL 1000 User guide

Package content

1BL1000 (Batteries non included)
1 CD Rom with documentation and software
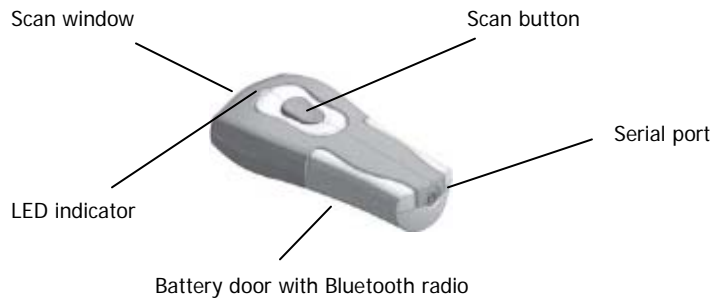
HANTZ + PARTNER
The Upgrade Company! www.hantz.com

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1- Introduction

The BL 1000 is a breakthrough in affordable wireless laser scanning. The scanner has all of the scanning performance of more expensive laser scanners, the convenience of hand-held portability, and the advantage of Bluetooth® Wireless Technology. The BL1000 has a 10 to 15 meter real-time operating range, and an unlimited batch range with automatic reconnection. In store-and-forward mode you can capture approximately 500 UPC barcode symbols, and then automatically upload them when you move back into range.

The BL 1000 Scanner provides backward compatibility with the optional Serial Cable. You can plug the cable into the scanner for use with an existing system, and then disconnect for wireless operations.

Scan window   Scan button

Serial port

LED indicator

Battery door with Bluetooth radio

2 - Installing and Replacing Batteries

Use only Alkaline batteries in your BL 1000. Please remove the batteries when you are storing the scanner for more than 30 days.
1. Turn the scanner over so that the back faces up.
2. Remove the battery cover by pressing the button at the top of the cover, and moving the cover down.
3. If there are batteries in the scanner, remove them.
4. Insert the new batteries so that the positive end (+) is up on the outside batteries, and down on the middle battery.
5. Replace the battery cover by inserting the tabs at the top of the cover into the slots in the back of the scanner. Slide the cover up.

3- Proper Scanning Position

4- BL 1000 quick Start-up guide

Find below how to quickly verify that your scanner is working correctly, using the BaracodaManager:

- Make sure that your host device (PC or PDA) is bluetooth enabled. If not, please contact your reseller.
- Install the BaracodaManager. (update can be downloaded from http://www.baracoda.com/download.) Make sure that your Bluetooth software is compatible with BaracodaManager. For instructions, see the BaracodaManager user guide.

1. Install the Bluetooth adapter in the host device.

The host device is the PC or PDA that will receive the bar codes from the scanner. For installation instructions, see the documentation provided with the adapter.

2. **Download** the software from **www.baracoda.com/download/**

3. **Install BaracodaManager**. For instructions, see the **BaracodaManager User's guide.**

4. **Install the batteries in the scanner**. Follow the steps outlined in "Installing and Replacing the Batteries."

5. **Configure BaracodaManager to connect to the scanner**.

 a. Start BaracodaManager by selecting **Start** > **Programs > BaracodaManager > BaracodaManager**

 The application automatically searches for cordless scanners.

 b. Place the scanner in discoverable mode by pressing the button.

 c. Highlight the scanner in the **Devices in Range** box, and click **Add**.

 d. The Bluetooth Connection asks for the passkey. While the message displays, click the Bluetooth Connection icon in the system tray at right side of the task bar.

 e. Enter 0000 in the Bluetooth Passkey Request dialog box.

 f. Look at the status of the scanner in the BL 1000 application window. When the status changes to "Connected," the scanner is ready to be used.

6. **Verify that the scanner is working correctly**. The first time you configure a scanner, BaracodaManager opens a terminal window. Scan the Sample Bar Code below. If information appears in the terminal window, the scanner is working correctly. To change the data output mode:

 a. Close the Terminal window by clicking **Exit**.

 b. Select the new mode from the Plug-in drop down menu. For more information, see the **BaracodaManager User's Guide**.

7. When you have finished your session, click **Exit** on the application to save your configuration.

Sample Bar Code

* 1 2 3 4 5 6 7 8 - *

5- Using your BL 1000

The scanner runs in two modes. When the scanner is connected to the Bluetooth host device, it uploads the barcodes as you scan them. When the scanner is out of range, it saves the bar codes in memory. When you move the scanner back into range, the scanner automatically connects to the Bluetooth host device, and uploads the saved barcodes.

1. Make sure the scanner is connected by looking at its status in the "my paired devices" window.

2. Check that the application that will receive the decoded bar codes is active.

3. Hold the scanner steady, and aim it at a bar code about four inches away as shown by the figure in "Proper Scanning Position."

4. Gently press the scan button.

5. Position the scanner so that the red light beam fully crosses the bar code.

6. When you have successfully scanned the bar code, you will hear a beep and the green LED will blink.

If you hear three beeps, the scanner's memory is full. Move the scanner back into range of the Bluetooth host device. The scanner automatically uploads the saved bar codes, and clears its memory. The scanner beeps three times in descending pitch when it has finished the upload.
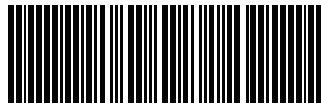
6- LED and Beep Signals

	Green LED	**Beeper**
Discoverable mode	Blinks two times every two seconds	None
Connected	Blinks once every two seconds	None
Sleeping	Does not blink	None
Good scan	Blinks once	Beeps once
Bar code Memory Full	Blinks three times	Beeps three times
Uploading	Blinks twice per second while the data is uploading	None
Upload complete	Blinks once	Three beeps that descend in pitch

7- Programming Your BL 1000

Basic Functions
The BL 1000 can be customized to suit your needs. You can use the bar codes below to turn on or off the audible beep, clear the memory, or return the scanner to its factory default settings.

Enable All Beeps

Disable All Beeps

Clear Bar codes

Return to factory default

Advanced Functions

The BL 1000 can be used in many legacy systems by programming it to be compatible with the settings for those systems. The following advanced settings allow you to change the default data format.

Enable AIM Code

Disable AIM Code*

8- Available accessories

BL1000 universal holster

BL1000 protective boot

9- Regulatory & Safety Information

FCC Declaration of Conformity
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 (2) this device must accept any interference received including interference that may cause undesired operations. This applies to all product options.
FCC Radio Frequency Interference Statement
NOTE: 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/TV technician for help.
To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter. **CAUTION:** Changes or modifications to this equipment not expressly approved by Baracoda could void the user's authority to operate this equipment.
Notice for Canada
Radio interference notice for Canada. This class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de Classe B est conforme à la norme NMB-003 du Canada.
Compliance Information
Product Name: Flic Cordless Laser Bar Code Scanner
Product Number: HS2141
Product Options: All
The product herewith complies with the requirements of Low Voltage Directive 73/23/EEC, EMC Directive 89/336/EEC, R&TTE Directive 99/5/EC, and carries the "CE" mark accordingly. The equipment also carries the Class 2 equipment identifier: Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.

Laser
Type: Semiconductor laser aAlGaInP
Maximum output power: 5mW
Divergence: X axis: 6-15 degrees
Wavelength: 650-660nm
Y axis: 22-38 degrees

Laser Safety

This device employs a laser. Do not remove the cover or attempt to service this device due to the possibility of eye damage.

Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser radiation exposure.

CLASS 1 LASER PRODUCT
PRODOTTO AL LASER DI CLASSE 1
KLASSE 1 LASERPRODUKT
LASERPRODUKT KLASSE 1
LUOKKA 1 LASERTUOTE
PRODUTO LASER DA CLASSE 1
PRODUIT LASER DE CLASSE 1
PRODUCTO LASER DE LA CLASE 1
LASERPRODUKT DER KLASSE 1
LASERPRODUKT KLASS 1

9- Technical Specifications

Bar Codes Supported	UPC/EAN/JAN, Code 128, Code 39
Minimum X Dimension	10 mil
Depth of Field	2.5 in to 5.5 in for 10 mil
	2.5 in to 6 in for 13 mil
	3 in to 7 in for 17 mil
Memory Capacity	Approximately 500 UPC bar codes
Interface	Bluetooth 1.1
Radio Specifications	Radio: Bluetooth class 2,
	1.1 compliant
	Range: 10 m., 33 ft., line-of-sight
Cable	RS-232 compatible, DB9 to
	Stereo plug (Optional)
Indicators	LED and Audible
Operating Temperature	5° to 35° C
Storage Temperature	-40° to 70° C
Power	3 AAA Alkaline Batteries
Safety	EN60950-1:2002, IEC
	60825-1:1993 +A1 (1997) + A2
	(2001)
	EMC EN300328-1:1997, EN301489-1:2000, EN301489-17:2000,
	EN55022:1998,
	EN55024:1998, EN61000-4-2:
	1995, EN61000-4-3:1997,
	FCC 47 CFR, Part 15 Class B

Tested to Comply
with FCC Standards
FOR HOME OR OFFICE USE
COMPLIES WITH 21 CFR 1040.10 & 1040.11
EXCEPT FOR DEVIATIONS PURSUANT TO
LASER NOTICE NO.50. DATED JULY 26, 2001
CLASS 1 LASER PRODUCT

Laser light is emitted
from this aperture

11- Limited Warranty

Baracoda warrants that the BL1000 product will be free of defects in material and workmanship for one (1) year from the date of shipment. Baracoda will, at its option, either repair, replace or refund the purchase price paid by buyer for the defective products.
Such repair, replacement or refund shall be buyer's sole remedy in the event of Baracoda's breach of this limited warranty. Repaired or replaced parts or product may include new, reconditioned or remanufactured parts and equipment at Manufacturer's option. All costs associated with shipment to Baracoda for warranty service, including but not limited to freight, duties, insurance and customs fees are buyer's responsibility. Baracoda will pay the freight costs (duties, insurance, customs and any other fees are buyer's responsibility) associated with the return shipment to buyer. The method of shipment will be at Baracoda's discretion. Repair or replacement of any parts or equipment does not extend the period of warranty provided for herein. THIS LIMITED WARRANTY IS BARACODA'S ONLY WARRANTY. BARACODA DOES NOT GIVE WARRANTIES OF MERCHANTABILITY OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. To take advantage of this warranty, buyer should contact the seller not Baracoda. The warranty set forth herein does not cover and Baracoda will have no obligations hereunder if any non-conformance is caused in whole or in part by; accident, transportation, neglect, misuse, alteration, modification, or enhancement of the products or incorporation, interfacing, attachment of any feature, program, or device to the Products by a person or entity other than Baracoda, failure to provide a suitable installation environment, use of the products for other than the specific purpose for which the products are designed or any use of the product not in accordance with the Operator's Guide or other misuse or abuse of the product. The warranty does not cover problems linked to batteries.

The Bluetooth name and the Bluetooth registered Trademarks are owned by Bluetooth SIG, Inc, and are used by Baracoda under licence. The Baracoda name and Trademarks are owned by Baracoda.

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