Wireless Barcode Reader Manual

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1.0	30/10/14	D. Schizas	A. Diamandis	A. Diamandis	K. Vrahatis	Initial Release
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intralot

FCC Statement

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.

FCC Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SD Template v1.4

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1 Warnings and Precautions

As with any electronic product, precautions should be observed during handling and use. Read these instructions.

- Keep these instructions.
- Read all warnings.
- Follow all instructions.

1.1 Precautions for use

- This unit is designed only for indoor office use.
- Do not use the unit immediately after transportation from a cold place to a warm place; condensation problems may result. Do not store the unit near fire, places with high temperature or in direct sunlight. Exposure to direct sunlight or extreme heat (such as inside a parked car) may cause damage or malfunction.
- Clean the unit as described in paragraph 2.8.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Refer all servicing to qualified service personnel. Servicing may be required when the apparatus has been damaged in any way, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has malfunction I any other way.

1.2 Important Battery Information

⚠	• Observe polarity when installing batteries. Do not install batteries incorrectly, as this will cause battery failure and may cause explosion or fire. • Avoid dropping the handheld unit. Although the unit is drop-resistant, it contains components sensitive to shock. With repeated drops, damage to these components may occur, resulting in failure.
⚠	Your product contains a battery and charging system which is designed to work in temperatures that do not exceed 50"C (122°F). Leaving this product in a closed automobile or the trunk of an automobile where temperatures may exceed 50 C may result in permanent battery damage. Please do not leave your product in any location where temperatures may exceed 50 C.
⚠	• Use only rechargeable batteries. <u>DO NOT USE OR INSTALL ALKALINE BATTERIES</u> in the reader. Replace batteries only with approved replacements. • Do not damage batteries. Do not deform batteries during installation or removal. Do not use deformed batteries. • Use Rechargeable NiMH, 1000mAh batteries in AAA size, 3 pcs. • Do not mix different batteries on the same unit. • Dispose degraded batteries properly, do not throw in the trash. Recycle batteries!

- Do not use unauthorized chargers or power adapters. Use only chargers that came with your product or that Is listed In the user's guide.
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not attempt to disassemble the cabinet. This product does not contain customer serviceable components.
- The marking information is located at the bottom of apparatus.

1.3 Operating environment

- Rating: 5VDC, 500mA max
- Indoor use only
- Operating Temperature: 5..50 ^{o}C., max 95%RH (non-condensing).

FCC regulations note

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.

This equipment has been tested and found to comply with the limits for a Class **B** digital device, pursuant to Part 15 of 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.

1.4 Ecology

Your product must be disposed of properly according to local laws and regulations. Because this product contains a battery, the product must be disposed of separately from the household waste.

2 Device Usage

2.1 Introduction

TheWireless Barcode Reader (WBCR) comprises of two units, the detachable hand held unit and the charging base. The reader is designed to be on the charging base most of the time. Scanning can be performed either during "hands-free mode" (with the scanner on the base) or in "manual mode" where the scanner is detached from the charging base and the user has to press the SCAN button to read codes. The "manual" mode consumes battery power because the scanner is not docked to the charging base, and it is recommended that the scanner is returned to the charging station as soon as the manual scans are completed.

Available battery capacity (in manual mode, where the reader is undocked) is limited to more than 60' of typical scanner use. With long-term use, the battery capacity will be reduced, thus the useful battery-operated time span will be reduced as well. If the usable battery operating time is inconveniently short, it is recommended to replace the batteries.

It is recommended to return the wireless unit on the docking station as soon as the remote scanning is completed.

2.2 Controls and indicators

2.2.1 Scan button

Press to initiate a scan when in hands-free mode and power on the scanner if it has been idle and undocked for beyond a few minutes.

The Green Light is the Power LED

The Red Light is the Data LED

2.2.2 Data LED

Color	State	Meaning
Red	Flashing	Wireless connection inoperable
	Solid	Wireless connection established
Orange	Momentary	Data transmission in progress
	Solid	Firmware update mode

2.2.3 Power LED

Color	State	Meaning
Green	Flashing	Battery charging
	Solid	Battery is charged and dock supplies power
Red	Flashing	Battery is low, return to docking station for charge
	Solid	Battery is discharging

2.3 Unpacking the wireless unit:

After delivery, the wireless unit will have a plastic tab protruding from the battery cover to prevent battery depletion. Please pull the plastic tab to remove it and place the wireless unit on the charging base. The wireless unit should initially be left to charge on the charging base for 10 hours when first installed or when new batteries are installed. Scanning is possible during this interval, but only in "hands-free" more, where the scanner is docked to the charging base.

2.4 How to dock on the printer base:

In order to dock on the base, follow the steps shown above.

In order for the WBCR to lock in to position move the WBCR horizontally to the base until they face each other then rotate it until it locks into position. The power LED will become Green when the reader is correctly docked and the charging base provides power.
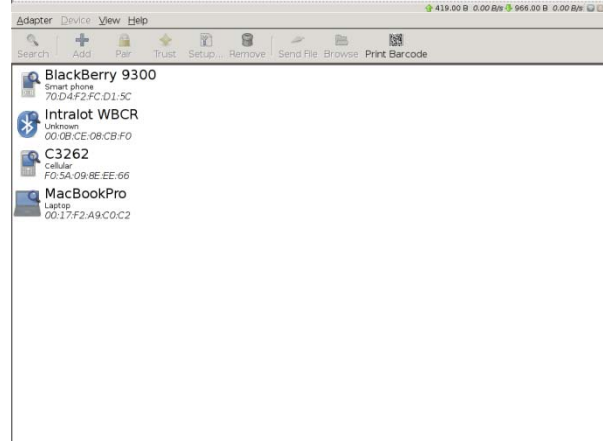
2.5 Software pairing procedure

Before the reader can be used with a lottery terminal, it has to be paired to that terminal. The steps below detail the pairing procedure.
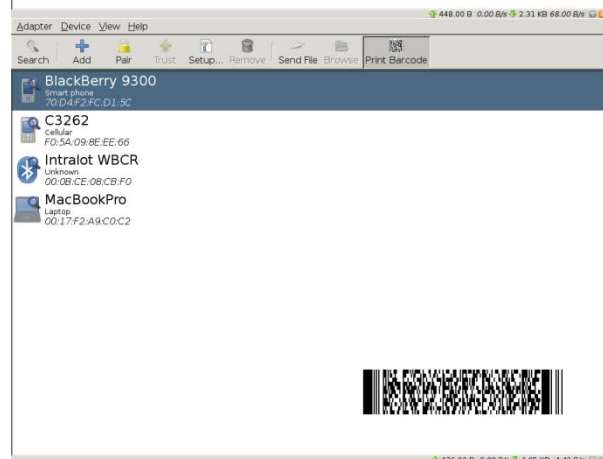
1. From maintenance menu select the "Pair Bluetooth BCR" button. The following screen will appear.
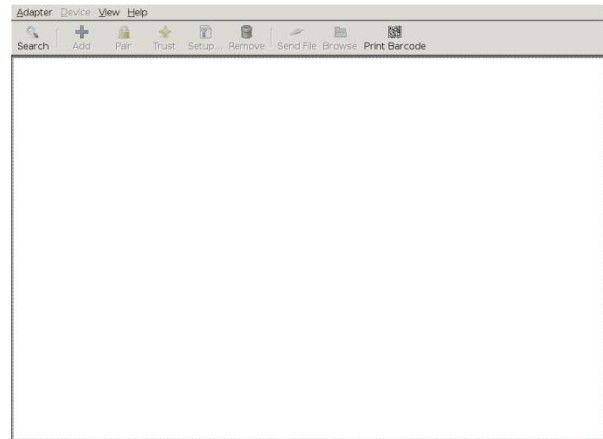
2. Press the "Search" button and wait until the process completes.

3. From the top panel press the "Print Barcode" button. Scan with the BCR the barcode which appears at the botton left corner of the screen in order to set the BCR into pairing mode.

4. From the top panel, press the "Pair" button. In the popup window requesting the PIN, press the "OK" button and wait until the process completes.

5. After completion you can press the "Trust" button in order the BCR to automatically reconnect after reboot.

2.6 How to scan:

The engine has a view finder that projects a bright green aiming beam that corresponds to the engine's horizontal field of view. The aiming beam should be centered over the bar code, but it can be positioned in any direction for a good read. The aiming beam is smaller when the engine is closer to the code and larger when it is farther from the code. Symbologies with smaller bars or elements (mil size) should be read closer to the unit. Symbologies with larger bars or elements (mil size) should be read farther from the unit. To read single or multiple symbols (on a page or on an object), hold the engine at an appropriate distance from the target, send a trigger command, and center the aiming beam on the symbol. If the code being scanned is highly reflective (e.g., laminated), it may be necessary to tilt the code +5° to prevent unwanted reflection.

Linear bar code

2D Matrix symbol
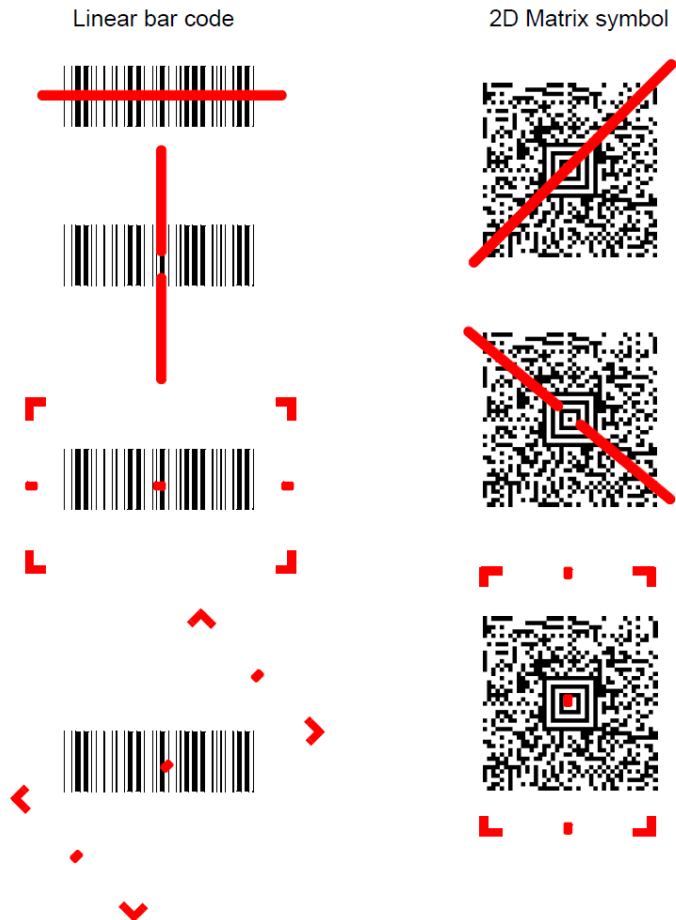
2.7 Battery replacement:

When the useful operational time away from the charging base shortens, it is time to replace the batteries. Follow the following procedure to install 3 new 1000mAh NiMH AAA cells in the wireless units.

1. Undock the reader from the charging base.
2. Unscrew the battery compartment screw.
3. Open the battery compartment.
4. Locate the pull strap and pull its end to push the batteries out.
5. Install the new batteries over the pull strap, observing the polarity marks shown inside the battery compartment. Make sure the strap is underneath all 3 cells.
6. Replace the compartment door and install

the securing screw.
7. Recycle the depleted batteries. Don't throw used batteries in household or office waste.
8. Let the new batteries charge overnight on the charging base.

2.8 Cleaning:

Lightly clean the exterior of the unit with a soft lint-free fabric. Persistent stains on the scanning window that decrease the scanning performance may be removed with a soft cloth slightly damped with a drop of water or a solution of 70% isopropyl alcohol.

Take care to have the scanning window as clean as possible for the best scanning performance.

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