USER'S MANUAL

ASSY,READER,WAVE,BAR CODE READER, BCR II and BCR III

Scientific Games International

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Contents

1. General Information

1.1. Introduction

This manual documents general information, user interface, operation and maintenance software with the BCR.

The wireless Barcode Reader is located on the front of the printer and reads:

- Draw tickets
- Scratchers® tickets
- Shipment manifests and inventory
- Coupons

The Barcode Reader can scan while remaining in the cradle of the printer, and since it is wireless, it can be used by hand. The wireless readers are not interchangeable between store locations. They are assigned to a specific terminal and retailer.

Note:

- The Barcode Reader is activated by motion. The red target will shine to assist in correct placement of the barcode beneath the Barcode Reader.
- Since the wireless Barcode Reader is powered by a re-chargeable battery, it should remain in the cradle as much as possible to charge. If a dead Barcode Reader is placed in its cradle, it will not work immediately, and it will need time to charge.
- The Barcode Readers are wireless with a range of 100 feet.

1.1.1. Terms and Acronyms

The following table contains the items relevant to this document. These items must be consistent with those in the globalist of terms and acronyms. If the item is not in the global list, it must be communicated to the process team so they can add it to the list.

Term or Acronym	Meaning
PCBA	Printed Circuit Board Assembly
TUV	Technical Inspection Association
CCD	Charge-coupled device

1.2. Product Description

The BCR consists of two printed circuit board assemblies.

- PA20-0427 ASSY,PCB,WIRELESS BARCODE II (BCR II and BCR III)
- PA25-0055 ASSY,PCB,WIRELESS BARCODE II
- PA25-0077 ASSY,PCB,WIRELESS BARCODE III

1.2.1. Component Description

Barcode Reader - The bar code reader is capable of reading standard 1 & 2 dimension codes. The reader can be programmed for its setup conditions through scanning of a test sheet or through the serial communications port (optional).

1.2.2. Product Illustration

Figure 1 BCR

1.3. Specifications

Interface:	Docked: RS-232 Serial (BCR II and BCR III) Wireless: Frequency Shift Keying (FSK) (BCR II) Direct Sequence Spread Spektrum- Offset Quadrature Phase Shift Keying DSSS-OQPSK (BCR III)
Frequency:	Unlicensed Short Range Devices (SRD) in the EU

	ISM Frequency band 870 MHz (BCR II) 902-928 MHz (US) (BCR II) 2.4GHZ-2.48GHz (BCR III)
Range:	100’ (30m)
Transmission Power:	13dBm or 20mW maximum
Battery:	3.7V, 1800 mAh Li Ion rechargeable battery, automatically charges when docked
Operating Modes:	Omni-directional scanning with LED illumination and amber aiming “spot” for easy barcode alignment. In normal lighting condition motion detection automatically trigger readings. In low light conditions this feature is preserved by automatic dimming of illumination LED’s.
Barcode Symbologies:	All industry standard 1D and 2D symbol sets.

2. User Interface

2.1. Operation

To check an online, or instant ticket on the ticket checker the user must insert the ticket into the barcode reader verification area shown in figure 2.

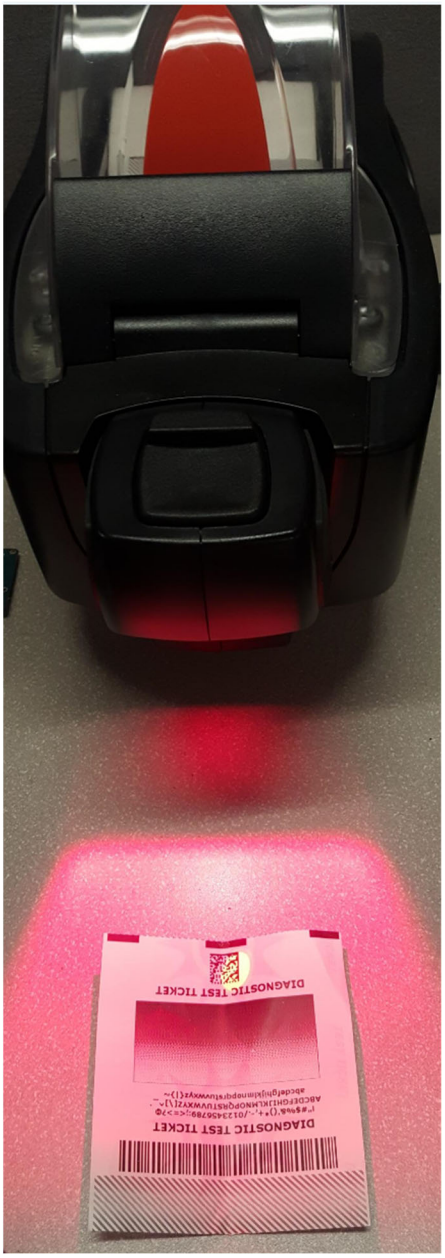

Figure 2 BCR docked in printer

2.2. Online/Instant Tickets

When the BCR reads the barcode of an online, or instant ticket, it will automatically display a message on the Wave terminal that will identify the result of the scan.

2.2.1. Sample Online Ticket

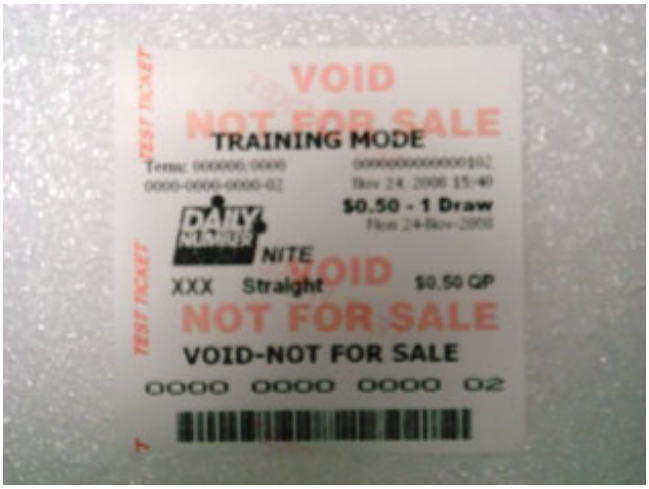

Figure 3 Online Ticket

2.3. Sample Instant Ticket

Figure 4 Instant Ticket front

Figure 5 Instant Ticket back

3. Regulatory Information

3.1. US Regulatory Information

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.

Warning: Changes or modifications not expressly approved by the party responsible could void the user's authority to operate this equipment.

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.

This equipment complies with FCC RF Exposure requirements and should be installed and operated with a minimum distance of 20cm between the radiator and any part of the human body.

Labeling Instructions for end product: The end product must be labeled, in a visible area, with the following: Contains FCC ID: WRH-MOD01 Contains IC: 2788A-MOD01 (BCR II) or Contains FCC ID: WRH-MOD02 Contains IC: 2788A-MOD02 (BCR III).

Note: The ASSY, PCB, ANALOG MODULE SRD Model PA25-0055 & PA25-0077 Modules are not intended for other OEM integrators or end users. The module is intended to be integrated by grantee authorized installers at the grantee manufacturing facility only.

3.2. Canadian Regulatory Information

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and
maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio nterference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment complies with the ICES RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of the human body.

Cet équipement est conforme aux limites d'exposition aux radiations ICES définies pour un environnement non
contrôlé . Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et une
partie de votre corps.