BN-HH-G02 User Manual

FCC ID：2ABHWBN-HH-G02

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1. Device Description

Barcode

Power

Volume

Left scan

Right Scan

Main screen

Camera

RFID

2. Parameters

Common parameters	CPU	1.2GHz dual-core
	Operating system	Android 4.0
	Inner module	RFID Reader, Barcode Reader
	Dimension	137*68*20（28）mm
	Weight	245g (with battery)
	Camera	5M pixel，automatic focusing
	GPS positioning	Yes
Display screen	Type	TFT capacitance multi touch screen
	Dimension	800*480 pixel，4.3 inch screen
Volume	Ring	Various rings and vibration
	Inner speaker	Yes
	Inner microphone	Yes
Memory	Memory expansion	Micro SD，maximum 32G
	Internal memory	RAM 512MB
	☑　UHF	ISO 18000-6C，EPC Gen2
Barcode reader	Reader type	CCD Image Reader
	Barcode type	One dimensional barcode and all typological two dimensional barcode e.g.：PDF417 ,Datamatrix ,Maxicode ,Code 16k，Code 49，QR code，Code one etc.
Battery	Type	3.7V，Li-Ion 1800（2800）mAh battery
	Stand-by time*	Maximum 48 hours
	Work time**	Maximum 8 hours
SDK	Operating system	Android 4.0
	Language	Java（JDK 16）
	Development Environment	Java SE Development Kit Eclipse，Android SDK r18 ADT Plugin for Eclipse

*Standby condition: screen off, barcode and RFID off

**Operation condition: screen on, barcode and RFID on

3. Device installation

3.1.   Unpack

Check your product box for the following items:

- handheld device

- Battery(two)

- Travel charger

- User manual

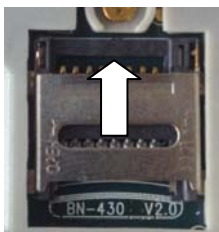- Product quality card

3.2.   Rear Cover Open or Close

① Poking at the back cover along the

direction of the arrow

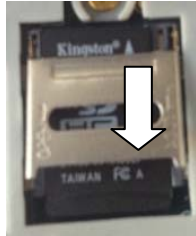② Then directly remove the back cover

3.3.   Install a Memory SD Card

① Push the cover along the direction of the

arrow.

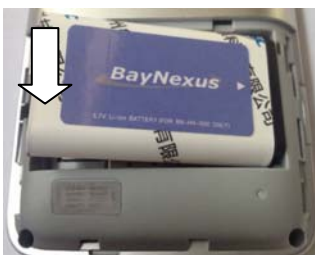② Insert the memory card into the slot according the picture.

③ Lock the cover along the direction of the arrow.

3.4.　Install a Battery

① Embed the battery along the direction of the arrow.

② Press the battery.

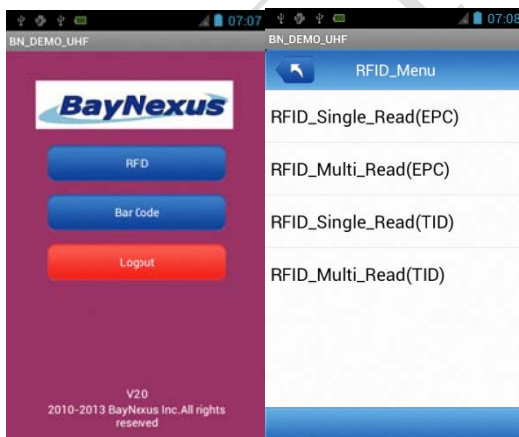③ Close the cover and clamp along the direction of the arrow.

3.5. Charging Notice

Please charge the battery full before the first-time use.

Only use the provided charger for battery charging purpose!
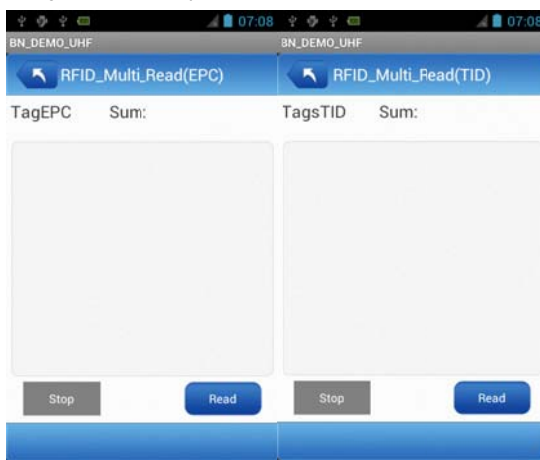
4. BN_DEMO Operation Guide

4.1. BN_DEMO_UHF (900MHz)

Graph 1：Menu Selection

Graph 2：Single RFID Read Screen

Graph 3：Multiple RFID Read Screen

Graph 4：Barcode Scanning Screen

To enter BN_DEMO_UHF application, locate the BN_DEMO_UHFicon on the BN-HH-G02's Android Home Screen or Application Screen, then single-click on the icon. User will be presented with the interface shown in [Graph 1]. There are threebuttons for user to choose which mode to enter.

User enters single RFID read mode by single-clicking the "RFID_Single_Read(EPC)"or"RFID_Single_Read(TID)" button. The single

RFID read mode interface is shown in [Graph 2].When in this mode, user can single-click "Read" button or press the physical 'scan' button on the right side of the BN-HH-G02 to start the single RFID read operation. The single RFID read operation ends with either a successful read of a single RFID or a time-out event.

User enters multiple RFID read mode by single-clicking "RFID_Multi_Read(EPC)" or "RFID_Multi_Read(TID)"button in [Graph 1]. The multiple RFID read mode interface is shown in [Graph 3]. When in this mode, user can single-click the "Read" button or press the physical "scan" button to start the multiple RFID read operation. User stops the multiple RFID read operation by single-clicking the "Stop" button. **Please make sure to stop the "RFID_Multi_Read" function when not using this function; otherwise, the battery power will drain fast!**

User enters bar code scanning mode by single-clicking the "BarCode" button in [Graph 1]. The barcode scanning mode interface is shown in [Graph 4]. User can single-click the "Read" button or press the physical "scan" button on the left side of the BN-HH-G02 to start the barcode scanning operation. The barcode scanning operation ends with a successful read of a barcode or a time-out event.

5. RFID Notice

When you use the RFID function, do not cover the RFID antenna area on the rear of the device. Suggest to holdboth sides of the device, and to read the tag as shown below.

FCC Regulations:

● 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.

● 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.

● Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

● SAR Information

Your device has been designed to comply with applicable safety requirements for exposure to radio waves. These requirements are based on scientific organizations through periodic and thorough evaluation of scientific studies. These guidelines include safety margins designed to assure the safety of all persons, regardless of age and health.

SAR data information for residents in countries/regions that have adopted the SAR limit recommended by the Institute of Electrical and Electronics Engineers (IEEE), which is 1.6 W/kg averaged over one (1) gram of tissue.

Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands.

The highest SAR value reported to the FCC is 0.545 W/kg.

For body worn operation, this device has been tested and meets FCC RF exposure guidelines when used whit an accessory that contains no metal and that positions the handset a minimum of 0 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.