

SRHHG3

User Guide





The Kroger Co.
Release 1.0
Version 1.0

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Table of Content

1	INTRODUCTION.....	5
2	SRHHG3 SPECIFICATIONS.....	6
2.1	PROCESSING	6
2.2	POWER.....	6
2.3	CUSTOMER APPLICATIONS	6
2.4	FIRMWARE UPDATES	6
2.5	OPERATING CONDITIONS	6
2.6	DIMENSIONS	6
2.7	APPROVALS	7
3	POWER REQUIREMENTS.....	8
4	INTERFACE DETAILS.....	9
4.1	USER INTERFACES	9
4.2	ZIGBEE INTERFACE:	9
5	FCC COMPLIANCE STATEMENTS.....	10
6	OPERATIONAL INSTRUCTION.....	10



Revision History

Date	Change Description	Revision
21-Jan-15	Initial Revision	0.1
30-Jan-15	Sent for Kroger's review	0.2



1 Introduction

SRHHG3 is a rechargeable battery operated shopping device. Gen3 Handheld has two ZigBee modules for wireless connectivity.

Benefits

- SRHHG3 device can be used for shopping without associate help/interference.
- Scan barcode of any product in Kroger store and get product details from server and add/remove to your shopping list.
- Product detail will transfer over Zigbee network through nearest Zigbee access point.
- Handheld can be used as a walkie-talkie for voice communication.
- It support vibrator to give a feeling of a button press events



2 SRHHG3 Specifications

2.1 Processing

- 456-MHz ARM926EJ-S RISC Core SoC
- 256MB DDR2 RAM
- 256MB NAND FLASH
- FCC Certified ZigBee Modules (2 Nos.)

2.2 Power

- Battery :-
 - o Input Voltage to handheld system: 3.7 V@2100mAH Li-Io Battery (Rechargeable)
 - o Input Current to handheld system: 450mA (MAX.)
 - Charging :-
 - o Charging Voltage: 5VDC through mini-USB connector or charging pins
 - o Charging Current: 550mA
- Note: Battery charger is not a part of supplied item with this device.

2.3 Customer Applications

- Barcode Laser Scanner
- Data transfer over Zigbee network
- Voice communication over Zigbee network

2.4 Firmware Updates

- Firmware updates over Zigbee network

2.5 Operating Conditions

- Temperature: 5 to 45° C (41 to 113 °F)
- Humidity: 20 to 80% RH
- Indoor (store) use only

2.6 Dimensions

- Height: 142 mm
- Width: 73mm
- Depth: 28 mm



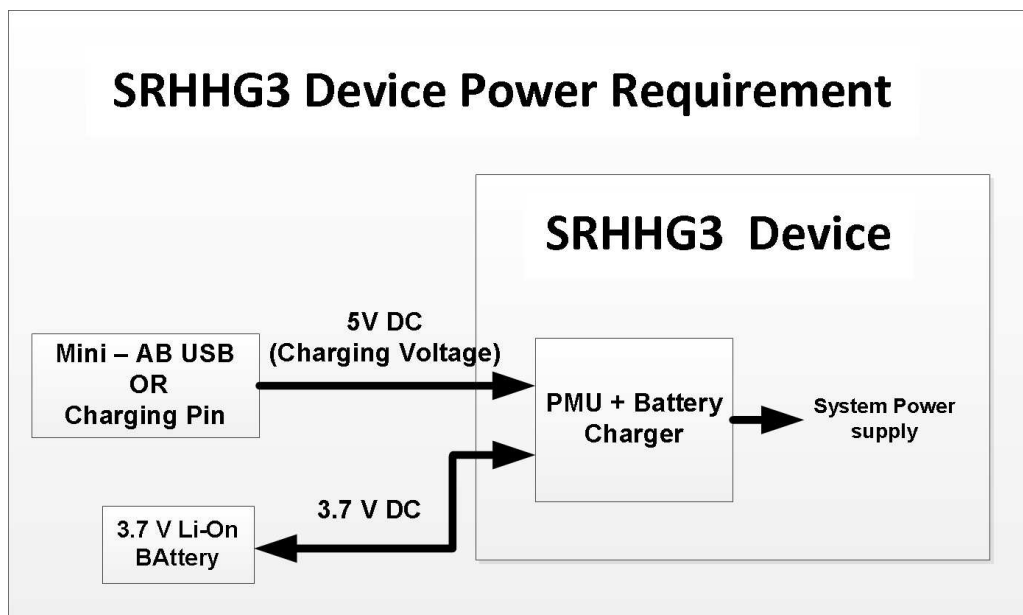
2.7 Approvals

- EMI
 - o FCC Wireless subpart C

3 Power Requirements

The SRHHG3 is powered by a rechargeable Li-Io battery. This can be recharge through mini USB connector OR Charging pins.

Battery Charger is not part of standard packaging. The standard FCC/CE/UL certified off-the-shelf USB charging devices or certified charging cradle should be used.





4 Interface Details

SRHHG3 Device provides Network terminal access only through debug board connection which is in-turn password protected.

4.1 User Interfaces

- **Key Interface** : Key board for function operation and Power ON/OFF Button
- **Display** : 2.8" RGB Graphic LCD
- **Microphone** : Omani directiona mic
- **Speaker** : 1 Watt , SMD
- **Barcode scanner** : Laser base barcode scanner

4.2 ZigBee Interface:

SRHHG3 has two FCC certified ZigBee modules place orthogonally on the board for a wireless connectivity with store's Zigbee network.



5 FCC Compliance Statements

This device complies with Part 15 of the FCC rules. Operation is subject to 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 of this device.

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

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating to conjunction with any other antenna or transmitter, except if installed in compliance with FCC Multi Transmitter procedures.

6 Operational Instruction

For SRHHG3 operational instruction, please contact Vendor/Manufacturer for latest updated instruction guide.