Document Name : KF-BLE-Users Guide	Rev.: 01.03
Product Name: KF-BLE-73730	Page : Page 1 of 9
Mfg: Belwith Products, LLC.	Date : 07/21/2013
Model #: SRK527	FCC ID: 2AAJWSRK527

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1) Scope of this document :

This User Guide describes Belwith's Bluetooth Low Energy KeyFob, also known herewithin alternately as "device" Series model number SRK527.
Caution! Any changes or modifications to this KeyFob/device not approved by Belwith Products LLC could void the authority to operate this KeyFob/device.
Do not attempt to modify the KeyFob/device for any other use. Over / under voltage will void all warranties, whether expressed or implied.

2) Basic operation of the KeyFob:

The KeyFob /device is a compact battery operated miniature handheld device that generates data packets to Bluetooth Low energy devices. The KeyFob/device remains in a complete sleep mode (no power) until one of four soft buttons are pressed (off to on condition).
 The KeyFob/device design cycles to a power OFF condition by either releasing of the button or if the button remains pressed the circuit is designed to turn the power off after a given time interval. Releasing and pressing any button will initiate transmission and the timer function as mentioned previously.
This KeyFob/device is designed to work / connect exclusively with other Secure Remote devices. The data packets that are transmitted over the 37 hopping channels is/are exclusive to other paired Secure Remote devices. See website www.Belwith.com for other listed devices and /or modules.
Pairing details are detailed in the Secure Remote phone application.

3) Electric specification:

Power: Power to the KeyFob/device is provided by a commercial available single cell "coin" type of Lithium Ion battery. 3.0 Volts nominal. Care, use and disposal of this battery is\are provided by the manufacture. The battery is non rechargeable type. It is serviced by prying the front and back halves of the KeyFob/device case apart. Slide battery out and insert new. (observe polarity).

CAUTION: contains ESD sensitive circuit board. Precautions should be used when handling the internal circuit board in order to prevent permanent damage.

LED indicators are provided to indicate various connection and power conditions of the KeyFob.   Yellow = low battery,   Red = error,   Blue = connection to Bluetooth

Specification :

Part: IEC Name ANSI Name	CR2032 Battery 5004LC
Typical Capacity	225 mAh
Nominal voltage	3.0 volts
Usable temp. range	-20 ... 70 degrees C

Antenna

PCB Antenna (Inverted F type)
It is a 2.4 GHz PCB antenna. The Antenna was designed to match KeyFob circuitry.
Do not attempt any modifications.

KeyFob Ground Plane

The KeyFob/device features extended ground plane structure on the PCB which is designed to reduce EMI radio interference. Do not alter this surface.
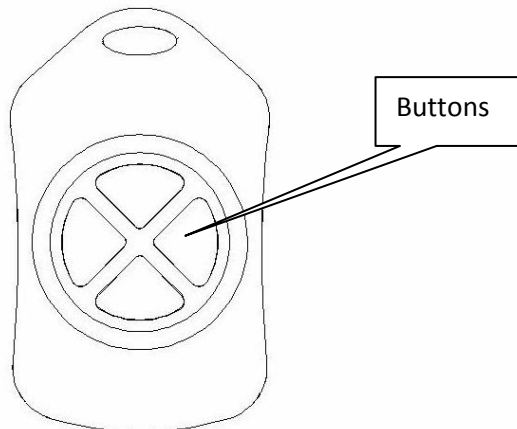
4) Mechanical Layout:

Case material: UL94-HB flame rated ABS. Keypad silicone.

Specification :

No.	Item	Dimension	Tolerance
1.	Length	52.34 mm	+/- 0.80
2.	Width	33.02 mm	+/- 0.80
3.	Height	14.73 mm	+/- 0.80
4.	Weight	.05 lbs.	+/- .2 lbs

Buttons

FIRST WATCH

MODEL # SRK527
FCC ID: 2AAJWSRK527
BELWITH PRODUCTS LLC

FRONT VIEW OF KEYFOB   REAR VIEW OF KEYFOB

Do not remove the "FIRST WATCH" label shown on back of KeyFob/device. It contains important information regarding FCC

5) Ordering Information:

PART Number: KF-BLE-73730. Model number SRK527.

Contact Belwith Products LLC. directly for further information.

Web address: www.belwith.com

Part is available for online ordering.

User guide is available in electronic form or as printed document upon request.

6) FCC KeyFob/device, Exposure, and Compliance Statements

> FCC ID: 2AAJWSRK527
> 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.

Important Note: To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied - This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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This device 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, and uses a

Radiate radio frequency energy and if not 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 instance. If this device 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 device and the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations. Operation with non-approved equipment is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to this device without the approval of manufacturer could void the user's authority to operate this equipment.

7) RoHS Declaration:

Declaration of environmental compatibility for supplied products:

We hereby declare to our best present knowledge based on declaration of our suppliers that this product does not contain the following substances which are banned by Directive 2002/95/EC (RoHS) or if present, a maximum concentration of 0.1% by weight in homogeneous materials for:

- Lead and lead compounds

- Mercury and mercury compounds

- Chromium (VI)

- PBB (polybrominated biphenyl) category

- PBDE (polybrominated biphenyl ether) category

And a maximum concentration of 0.01% by weight in homogeneous materials for

- Cadmium and cadmium compounds

8) Datasheet status:

- o This data sheet contains the final specification (RELEASE).
- o Belwith reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.
- o Supplementary data is available upon request.
- o Information supplied here is the most recent at the time of publication.
- o Consult the most recently issued data sheet before initiating or completing a design.
- o Contact Belwith customer service to secure the latest version of this data sheet: www.belwith.com

- o Belwith assumes no responsibility for improper use of this product. Do not attempt to "overclock" or apply voltages other than what is detailed in this users guide.

- o All rights reserved. Design of these products shown here have U.S and foreign patents pending.

9) Revision History:

Revision	Date	Author	Modification/Remarks
01.01	07/21/2013	G Myers	Release
01.03	08/01/2013	G Myers	Adjust users format add FCC statement