KeyFob
User Manual

Model: KeyFob

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1 Revision History

Date	Revision	Revisions	Made By
1/10/2018	*1*	*Initial Draft*	*B. Vlaanderen*
1/15/2018	*2*	*Issued Version*	*B. Vlaanderen*
1/16/2018	*3*	*Revised Version*	*B. Vlaanderen*

2 Terms & Abbreviations

Term	Description
KeyFob	*Wireless Pocket-sized Hand-held Remote Controller*
Bluetooth	*RF Communication protocol standard that on the 2.4GHz ISM band*
IC	*Integrated Circuit*
LED	*Light Emitting Diode*
Directive 2014/53/EC	*Radio Equipment Directive of the European Community*

3 Scope

This document describes how use SmartDrive's Bluetooth "KeyFob".

This document is to be used by personnel that are assigned by SmartDrive to train SR4 System users on how to use the KeyFob.

4 Description

The KeyFob is a Wireless Remote Controller for use with SmartDrive's Video Event Recorder Model SR4.

It uses 2.4GHz Bluetooth for communication and has a range of about 12m in free air.

It uses a single PCBA containing a CSR Bluetooth IC, a replaceable 20mm diameter CR2032 primary Lithium cell, a momentary push-button, an indicator LED and an embedded 2.4GHz micro-stripline antenna.

5 Operation

The KeyFob is operated by first sliding open its protective cover, as can be seen from the below pictures, and then momentarily pressing its button.

The KeyFob's LED Indicator will light up briefly while it is transmitting.

If the LED Indictor does not light up or if it is very dim, this is an indication that the KeyFob's battery is depleted or nearly depleted and needs to be replaced.

If the KeyFob is within range of an SR4 Video Event Recorder System mounted in a vehicle, pressing the KeyFob's button will generate a "Manual Event" in the SR4 Video Event Recorder System. This means that Video, Audio, GPS and Vehicle information of 20s before and 20s after the event will be moved to its internal Flash memory and can be reviewed by SmartDrive's review center.

6 BATTERY

The KeyFob contains a replaceable 20mm diameter CR2032 primary Lithium cell battery.

If the LED Indicator on the KeyFob is dim or off when pressing the KeyFob button, this is an indication that its battery is depleted and needs to be replaced.

The procedure to replace the battery is as following:

1. Place the KeyFob closed and face-down on a flat surface.
2. Using a small “Philips-head” screwdriver, loosen its 3 screws in the back.
3. Lift up the back enclosure with loose screws and place it next to the KeyFob, as shown below.

4. Remove the KeyFob’s PCBA.

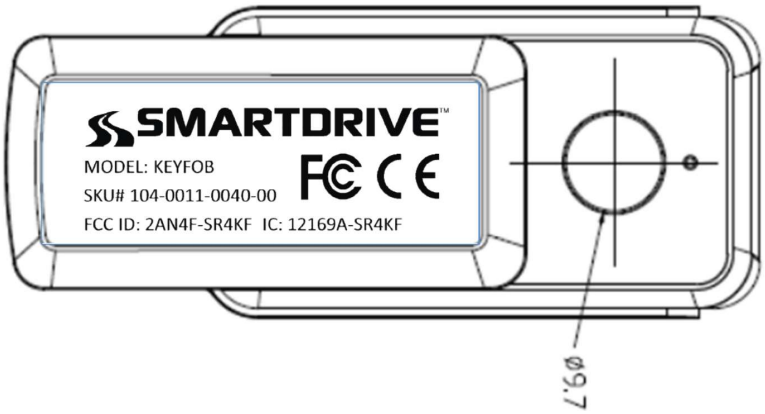
5. Turn around the PCBA and push the coin-cell battery out of its holder using the small screwdriver.

6. Insert a fresh CR2032 battery into its PCBA, taking care that the + mark on the battery faces upwards.
   WARNING: For maximum KeyFob battery life, use only brand-name batteries, such as Panasonic, Duracell, Varta & Energizer.
7. Turn around the PCB and place it back in its place in the KeyFob enclosure.
8. Place the back enclosure back in place and tighten its 3 screws.

7 Label Information

Label Design

Label Location



8 Warnings & Statements

The intended environmental conditions of the KeyFob: are from -30C to 80C ambient.

This device complies with FCC Part 15 and Industry Canada license 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.

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

Hereby, SmartDrive Systems, declares that this KeyFob is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EC.

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.

Les changements ou modifications non expressément approuvés par la partie responsable de la conformité pourraient annuler l'autorité de l'utilisateur à utiliser cet équipement.

Par la présente SmartDrive Systems déclare que l'appareil KeyFob est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/CE.

9 MANUFACTURER'S & IMPORTER'S INFORMATION

The name & address of the Manufacturer of the KeyFoB is as following:

SmartDrive Systems, Inc. (Shenzhen)
4/F, Bldg No.5, Anhua Industrial Zone,
No.18 Tairan 8th Road, Chegongmiao, Futian,
Shenzhen, China 518040, P.R.C.

The name & address of the Importer of the KeyFoB is as following:

SmartDrive Systems Inc.
4790 Eastgate Mall
San Diego, CA 92121, USA