



# **XT1040S1**

## **Product Manual**

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Revision A01

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## 1. FUNCTIONAL DESCRIPTION

Xirgo's XT1040S1 is a wireless door sensor which monitors the state of the trailer door and communicates with Xirgo XT3182. The versatile XT1040S1 offers several mounting options to support swing or roll-up doors. The door sensor utilizes an on-board accelerometer or magnetic sensor to detect door status and report door state changes via Bluetooth to the XT3182.

Mechanical	
<b>Sensor Dimensions</b>	2.15" x 5.7" x 1.0" (5.46 x 14.48 x 2.54 cm)
<b>Optional Cradle Dimensions</b>	3.85" x 7.70" x 1.25" (9.78 x 19.56 x 3.18 cm)
<b>Case Material</b>	PC+PBT
<b>IP Rating</b>	IP66
<b>Vibration</b>	SAE J1455
Operating Temperature	
-40 °F to 158 °F (-40 °C to 70 °C)	
Power Specifications	
<b>Batteries</b>	2 L91 Replaceable Lithium AA
Certifications	
FCC	



## 2. INSTALLATION

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Basic install procedure in trailers:

Install the length of the door sensor parallel to the length of the trailer on the driver side of the roll up door on the top panel. The push button side faces the driver side wall. Gore vent faces out into the cargo area, away from the driver side wall.

1. Find an area 1.5 inches from the top of the roll-up door top panel and 1.5 inches away from the roll-up door hinge.
2. Clean the surface for the door sensor with 50/50 Isopropyl alcohol or similar such as brake cleaner to clean the surface.
3. Rough up the surface with #000 steel wool and/or a blow torch if the temperature is near 30 °F.
4. Peel back the VHB tape cover to apply and install the door sensor.
5. Push the door sensor button for two seconds and then release. The LEDs will begin to blink.
6. Push the button for six LED blinks. The LEDs will go off to indicate successful activation.

## 3. REGULATORY STATEMENTS

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### 3.1. FCC

This equipment with FCC-ID: GKM-XT1040S1 and IC-ID: 10281A-XT1040S1, Model: XT1040S1 is subject to the Federal Communications Commission (FCC) and Industry Canada (IC) rules.

**NOTICE:**

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

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.

Changes or modifications made to this equipment not expressly approved by Xirgo Technologies, LLC may void the FCC authorization 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.

**Radio frequency radiation exposure Information:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## 3.2. IC

### Antenna Statement

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 interference 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.

### Licence exempt

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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## 3.3. CE

The DOC (Declaration of Conformity) is either included in the packaging or can be found at the following link:

[www.xirgotech.com](http://www.xirgotech.com)

## 3.4. CALIFORNIA PROPOSITION 65 WARNING:



**WARNING:** This product can expose you to chemicals including Nickel (Metallic), which is known to the State of California to cause cancer and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)