# User Manual

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## Legal Information

### Terms of Service

By using SportShield, you agree to respect the terms and conditions outlined in the Terms of Service (TOS). The TOS governs your use of the SportShield device and its associated app, including rights, responsibilities, and limitations.

### Intellectual Property Rights

SportShield and its associated logos, trademarks, and intellectual property are the property of Coris Innovation and are protected by copyright, trademark, and other intellectual property laws. Unauthorized use or reproduction is strictly prohibited.

### Privacy Policy

SportShield may collect and process personal data in accordance with the Privacy Policy. By using the device and associated app, you consent to the collection, use, and disclosure of your personal information.

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> ⚠ *Caution* ⚠
>
> The product still actually in development and may not include all the features.
>
> ⚠ Do not attempt to disassemble or modify the product as this may void the warranty and could result in damage to the device or injury.
> ⚠ Keep SportShield out of reach of children and animals to prevent accidental damage.
> ⚠ Please take in consideration the local regulations and laws concerning the use of anti-theft devices in his environment.

## Overview

SportShield is a waterproof anti-theft device that allow you to secure your sport equipment. This product integrates a dedicated mobile application to control it by distance. SportShield is equipped with cutting-edge sensors and a robust alarm system.

## Getting Started

### System Requirements

- The product is compatible with different operating systems such as iOS and Android.
- You should ensure to have access to an internet connection to download the linked application and bluetooth to pair with the device.
- Do not use the device in extreme conditions such as high humidity or rapid temperature changes as it may affect the performances and longevity of the device.

### Package Contents

Before opening the package, please inspect the exterior of the box to identify any signs of damage. In this package will be furnished the SportShield device, a user manual copy and a USB-C cable to charge your product.

### Installation

1. Take the cable.
2. Attach your equipment with the cable.
3. Pair your SportShield with your phone by passing by the application.
4. Lock the cable by pressing the lock button on the application.
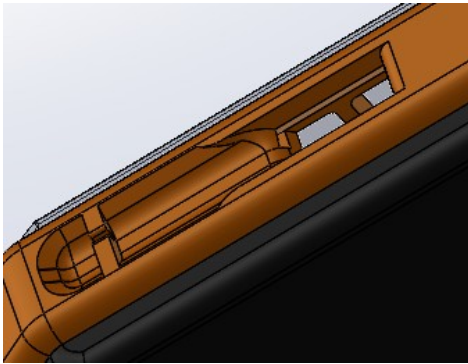


## Using SportShield

**To use and activate your product, please follow these steps:**

1. Ensure that SportShield is well attached to your equipment.
2. Open the mobile application available on the Playstore and Appstore created for the device and log in to your account.
3. Activate your bluetooth to pair the device and your phone.
4. Click on the button in the mobile application to lock your product.

**To deactivate your product, please follow these steps:**

1. Be near the device.
2. Open your application and click on the button to unlock your SportShield.
3. Remove the handle.

## Maintenance and Care

### Cleaning Instructions

**How to clean your device:**

1. Power off the device.
2. Take your cleaning materials (recommended: soft cloth, electronic-safe cleaning solution or microfiber towel).
3. Dampen your material with water or electronic-safe cleaning solution and wring out excess moisture to avoid water to introduce into the device.
4. Gently wipe circularly the exterior surface of your SportShield.
5. Dry the device by using a dry soft cloth or microfiber towel.
6. Power on the device.

> ⚠ *Cautionary notes* ⚠
>
> ⚠ Do not use harsh chemicals products, abrasive materials. Don't clean your device if excessive moisture are present.

### Battery replacement

1. Power off your SportShield.
2. Carefully remove the battery.
3. Think of recycling it.
4. Insert the new battery according with the requirements (Lithium-Polymer Battery, 3.7V, 1100mAh, 41Wh, dimensions: 5.1x3.5x0.6).
5. Power on your device.

## Understanding SportShield

### Device Components
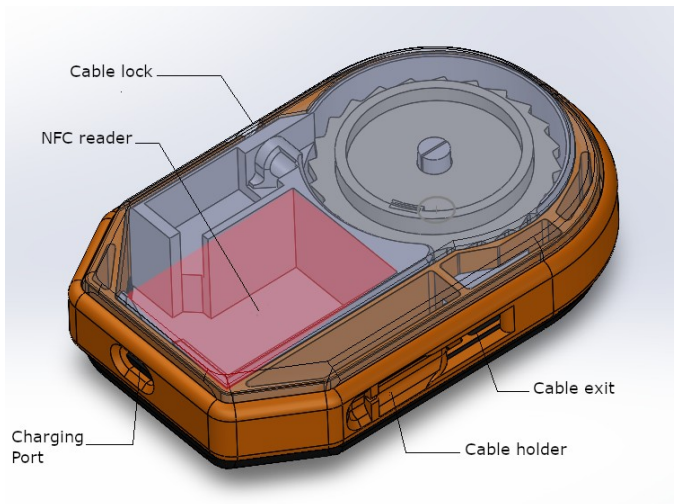




- Xiao BLE Sense nrf52840

- GNSS PA1010D

- SIM800L

- Electromagnet

- Lithium-Polymer Battery

- NFC Antenna

- Piezoelectric Buzzer

## Functionality Overview

### Basic Features

As basic features, SportShield includes an alarm system capable of detecting slight movements with moderate-level beeps and emitting a loud alarm for more significant disturbances.

Additionally, a mobile application is currently in development, offering remote functionality to activate and deactivate the alarm, locate your SportShield, monitor battery levels, and lock/unlock your device. Through the app, users can also know the location of their equipment and receive notifications in case of abnormal movement detection. Furthermore, the app provides customization options for a personalized experience.

To connect SportShield to your smartphone, simply activate Bluetooth on your device and pair it with the product.

### User Benefits

**What sets SportShield apart in terms of security:**

- Firstly, it employs a double authentication factor to enhance the security of your experience. Unlocking the device requires entering a password, adding an extra layer of protection against unauthorized access.
- Secondly, the built-in alarm serves as a deterrent to potential thieves, providing an additional layer of security.
- Thirdly, the lock cable is designed with multiple layers and utilizes electromagnetic technology, ensuring physical security. This, combined with the device's robust construction, makes it resistant to break-in attempts.

### Limitations

There are a limitation with SportShield, to unlock your device you need to be near of it because of the bluetooth. The functionality to lock and unlock it pass by that.

**How SportShield works**

- Detection methods: SportShield offers two distinct detection methods. The first method detects unauthorized movement or tampering, with the system calibrated to minimize false alarms. The second method involves shock detection, triggering an alarm and sending a notification to the owner if someone attempts to damage the device.

- Alarm activation: Users can conveniently activate or deactivate the alarm using the mobile app. Additionally, they have the option to adjust the sensitivity of the alarm based on the environmental conditions. Two alarm modes are available: an audible mode to deter on-site thieves and a silent mode for discreet notifications to the owner. The alarm utilizes a "special" code to identify the severity of the detected problem, emitting either three light sounds for a minor shock or five long high sounds for a significant impact.

- Notification mechanisms: The SportShield app provides various notification features to keep users informed. These notifications include alerts for low battery levels, shock detection, alarm activation, and detection of suspicious activity.

**Storage Guidelines**

**Some tips of how you need to store your product:**

- Store SportShield in a dry place away from sunlight and high temperatures (acceptable range between -10°C/+40°C), high humidity.
- Consider placing the device in a container such as a box.
- If you reside in a high humidity area, consider using silica gel packs to absorb moisture.
- If you intend to store the device for an extended period, remove the battery to avoid corrosion.

## Warranty and Support

SportShield has a limited warranty of 2 years to ensure you of the quality and efficiency of the product, please read carefully the following terms.

### Coverage

*In which conditions your device is warranted?*

Against defects with the components and workmanship.

*In which conditions your device is no longer warranted?*

Against damages caused directly by the client and the detorioration of the appearance of the device over the time.

To initiate a warranty claim, please ensure you have proof of purchase and provide a detailed description of the issue. Contact us at info@corisinnovation.com for assistance.
If you need to return the product, please ensure it is packaged in its original box and returned in its original state.

### Contact Information

*For more information, contact us on our support:*

- Address: 4 Street Albert Einstein
- 18000 Bourges
- Mail address: info@corisinnovation.com
- Phone number: +33 01 23 45 67 89
- Website: https://www.corisinnovation.com

**Appendix**

**Glossary**

- **SportShield:** A waterproof anti-theft device designed to secure sport equipment, integrated with a mobile application for remote control.
- **Coris Innovation:** The company behind SportShield, owning the intellectual property rights of the product.
- **Terms of Service (TOS):** Legal agreement governing the use of SportShield, outlining rights, responsibilities, and limitations for users.
- **Privacy Policy:** Document explaining how personal data is collected, processed, and used by SportShield and its associated app.
- **Bluetooth:** Wireless technology enabling communication between SportShield and a smartphone.
- **GNSS:** Global Navigation Satellite System, used for location tracking in SportShield.
- **SIM800L:** GSM module enabling communication via cellular networks in SportShield.
- **Electromagnet:** Component used for locking and securing equipment in SportShield.
- **Lithium-Polymer Battery:** Rechargeable battery powering SportShield.
- **NFC:** Near Field Communication, used for short-range communication in SportShield.
- **Piezoelectric Buzzer:** Component emitting audible alarms in SportShield.
- **Double Authentication Factor:** Security feature requiring two forms of authentication to unlock SportShield.
- **Notification Mechanisms:** Methods through which SportShield informs users about events such as low battery levels or suspicious activity.
- **Playstore and Appstore:** Digital distribution platforms for Android and iOS applications, respectively.
- **Warranty:** Agreement providing coverage for defects in SportShield components and workmanship.
- **Proof of Purchase:** Document confirming the purchase of SportShield, required for warranty claims.
- **Silica Gel Packs:** Desiccant material used to absorb moisture and prevent corrosion in stored devices.