

## iGPSPORT SRmini

# iGPSPORT SRmini Radar Tail Light User Manual

Model: SRmini

## INTRODUCTION

---

The iGPSPORT SRmini Radar Tail Light is designed to enhance cycling safety by providing real-time radar detection of approaching vehicles and intelligent rear lighting. This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your SRmini device.



**Figure 1:** The iGPSPORT SRmini Radar Tail Light, a compact device with bright red LEDs for visibility and integrated radar technology.

## PACKAGE CONTENTS

Please verify that all items are present in your package:

- SRmini Radar Tail Light
- M30 Saddle Mount (with screw)
- Hex Key
- Quick Start Manual
- Charging Cable
- Tether

## Contenuto della confezione



**Figure 2:** All components included in the iGPSPORT SRmini package, including the tail light, various mounting accessories, and charging cable.

## SETUP

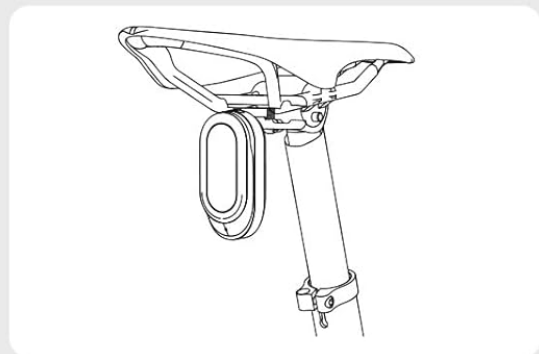
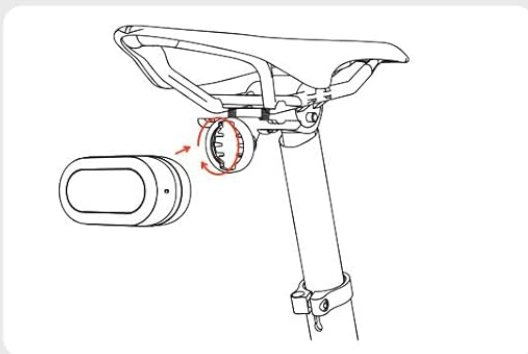
### 1. Charging the Device

Before first use, fully charge the SRmini using the provided charging cable. Connect the cable to the charging port on the device and a standard USB power source. The charging indicator will show the charging status.

### 2. Installation

Mount the SRmini securely to your bicycle's seat post using the M30 Saddle Mount and hex key. Ensure the tail light is positioned vertically and unobstructed for optimal radar performance and visibility.

#### Facile installazione



**Figure 3:** Step-by-step illustration of the easy installation process for the SRmini Radar Tail Light on a bicycle seat post.

### 3. Pairing with Bike Computer or App

The SRmini supports ANT+ and Bluetooth 5.0 connectivity. To pair:

1. Turn on the SRmini.
2. On your compatible iGPSPORT bike computer (BSC200S/BSC300T/iGS630S/iGS800/BiNavi) or the iGPSPORT app on your smartphone, search for new sensors.
3. Select the SRmini from the list of available devices to complete pairing.

## OPERATION

---

### Power On/Off

Press and hold the power button to turn the device on or off. The SRmini also features an automatic start/stop function when connected to a compatible bike computer, eliminating the need for manual operation.

### Light Modes

The SRmini offers 7 different lighting modes to suit various riding conditions. Cycle through the modes by short-pressing the power button. The available modes and their approximate battery durations are detailed below:

7 modalità di funzionamento



Figure 4: Table illustrating the 7 light modes of the SRmini, their brightness levels, and estimated battery life with radar on and off.

SRmini Light Modes and Battery Duration

Light Mode	Brightness	Battery Life (Radar Off)	Battery Life (Radar On)
High Steady	(12lm)	6h	5h
Medium Steady	(6lm)	12h	8h
Day Flash	(25lm/0lm)	11h	7h
Night Flash	(12lm/2lm)	10h	7h



Light Mode Brightness	Battery Life (Radar Off)	Battery Life (Radar On)
Comet Flash (30lm)	20h	11h
Cascade Flash (30lm)	16h	10h
Light Off	-	20h

Radar Functionality

The SRmini's radar can detect approaching vehicles up to 160 meters away and monitor up to eight targets simultaneously. It provides real-time visual and audible alerts through a connected bike computer or smartphone app.

- **Detection Distance:** Up to 160 meters.
- **Detection Angle:** 45 degrees, reducing blind spots, especially when turning.
- **Alerts:** Visual warnings (orange/red bars) and audible beeps on the bike computer indicate approaching vehicles and their risk level (low, medium, high).

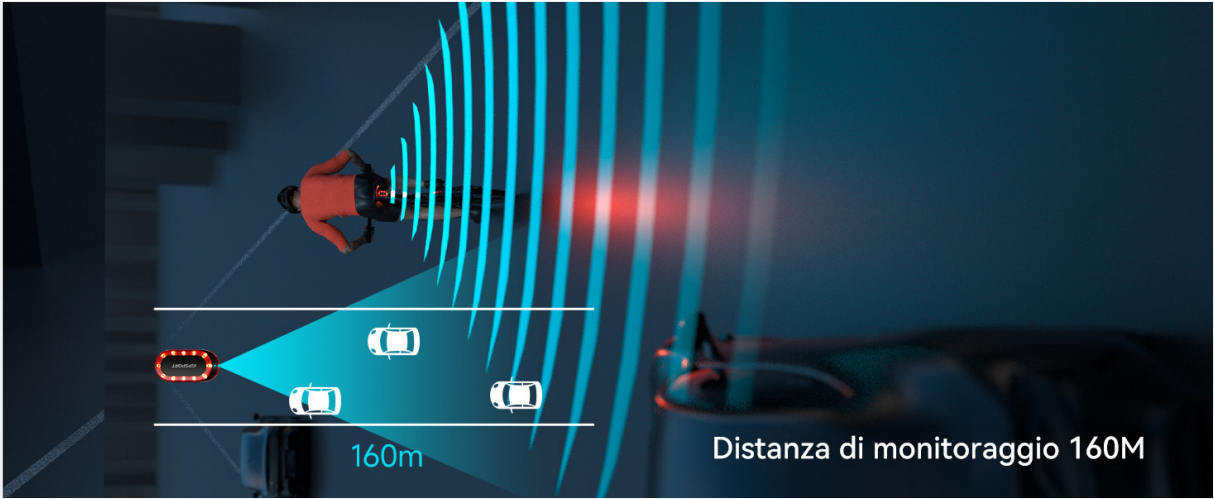


Figure 5: Diagram illustrating the 160-meter radar detection range of the SRmini, showing how it identifies multiple vehicles behind the cyclist.

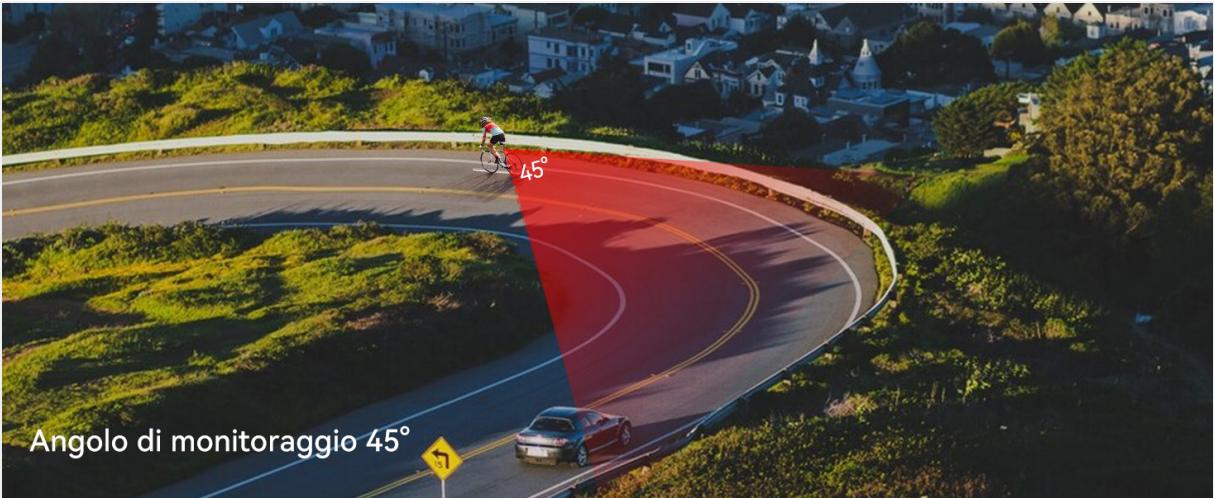


Figure 6: Illustration of the 45-degree radar detection angle, which helps in identifying vehicles approaching from the side, particularly useful during turns.

## Avviso in tempo reale

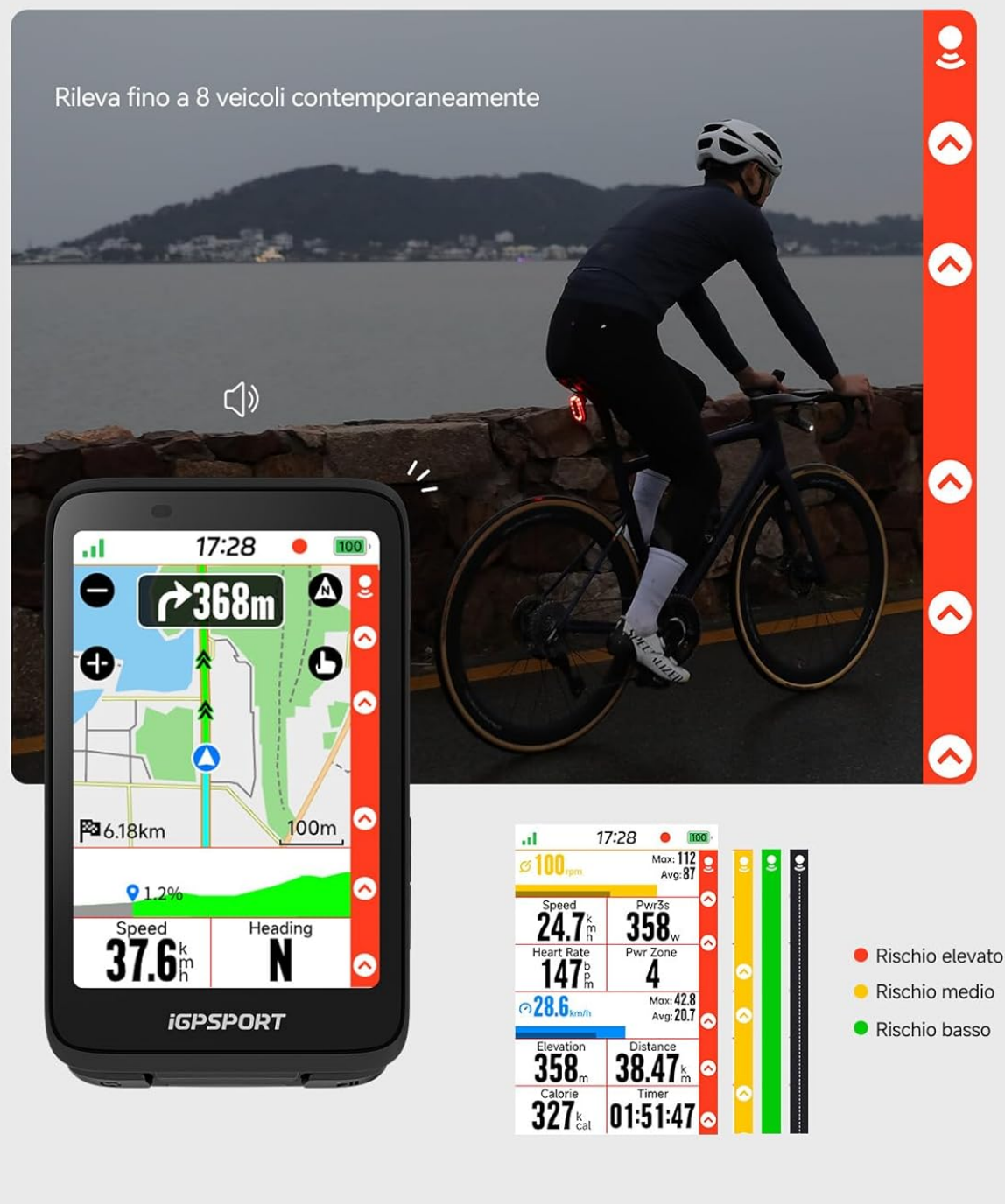


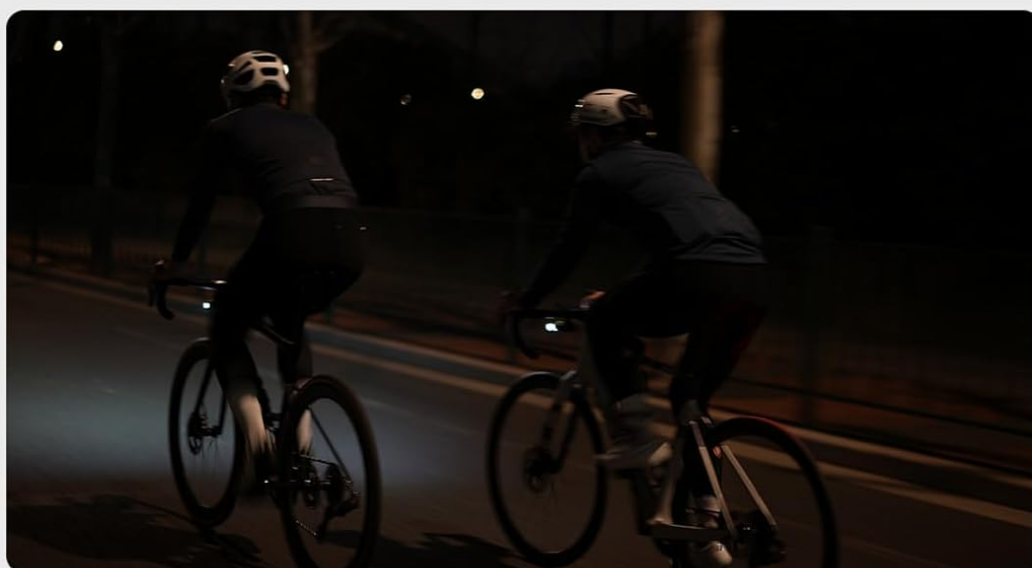
Figure 7: A bike computer display showing real-time radar alerts, with colored bars indicating the proximity and risk level of up to eight approaching vehicles.

### Smart Features

- **Automatic Brake Detection:** The SRmini automatically brightens when braking, alerting vehicles behind you.

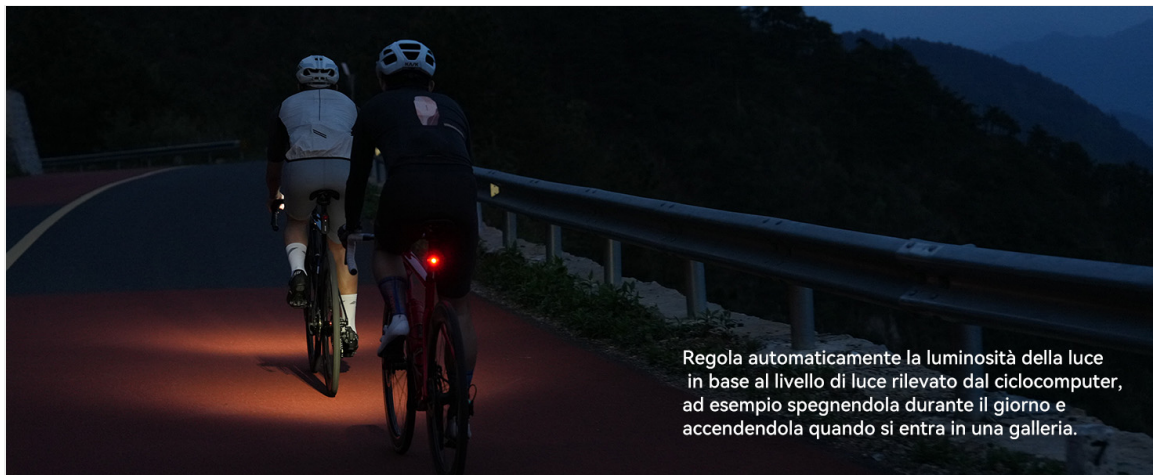


## Evidenziazione automatica una volta frenata



**Figure 8:** Comparison showing the SRmini's automatic brightening feature when the cyclist applies brakes, enhancing safety.

- **Automatic Ambient Light Adjustment:** When paired with a bike computer's light sensor, the SRmini adjusts its brightness based on ambient light. It can automatically turn off during the day and turn on at night or when entering a tunnel.



Regola automaticamente la luminosità della luce in base al livello di luce rilevato dal ciclocomputer, ad esempio spegnendola durante il giorno e accendendola quando si entra in una galleria.

**Figure 9:** Cyclists riding at dusk, demonstrating how the SRmini automatically adjusts its light intensity based on environmental lighting conditions.

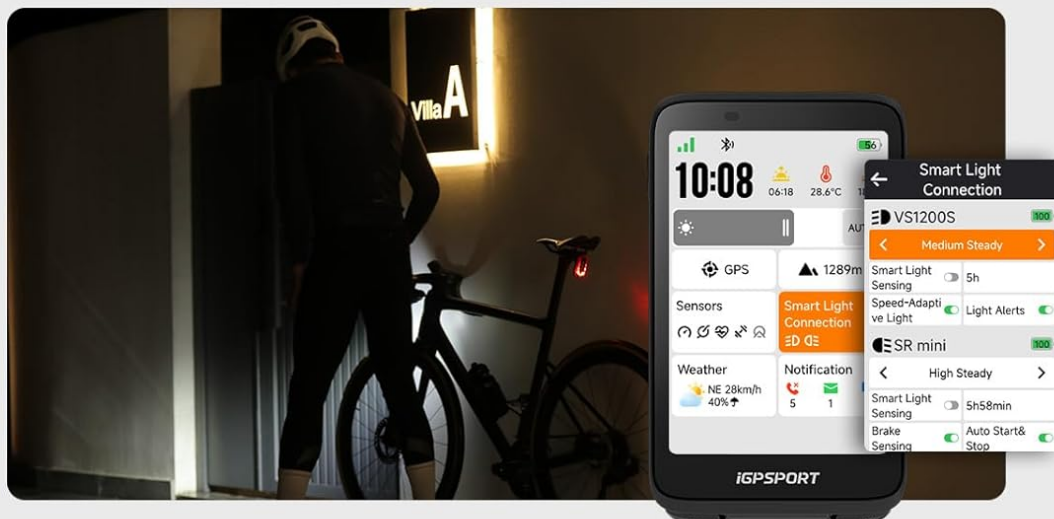
- **Auto Start/Stop:** When connected to a compatible iGPSPORT bike computer, the SRmini can automatically turn on when you start riding and turn off when you stop.

## Control via Bike Computer and App

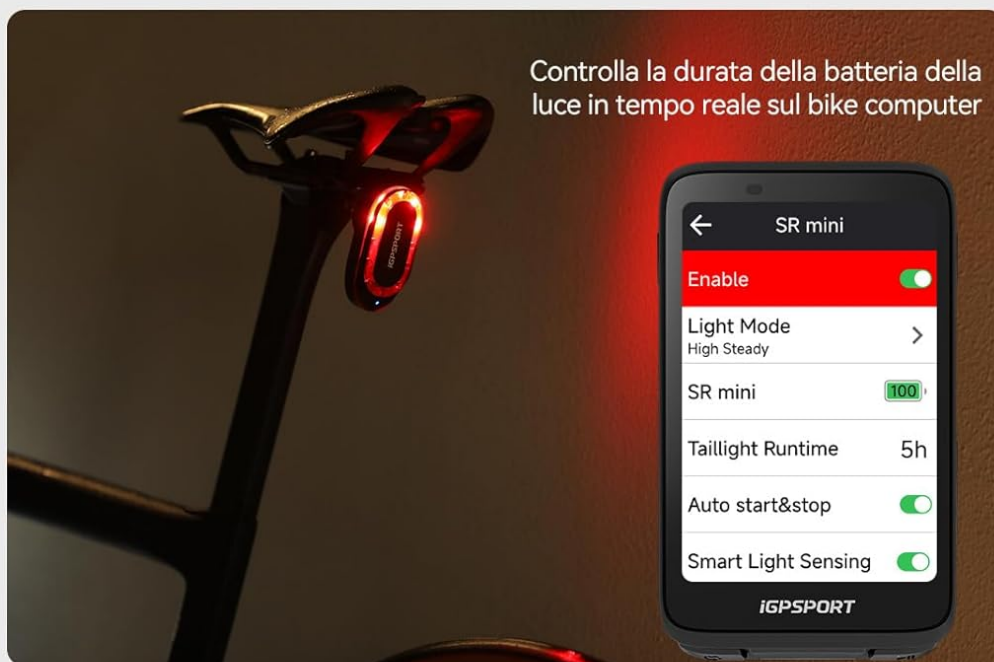
The SRmini can be controlled and monitored through compatible iGPSPORT bike computers and the iGPSPORT smartphone application.

- **Bike Computer Control:** Access the SRmini's control screen directly from your bike computer to adjust lighting modes, view battery percentage, and manage smart functions.

## Funziona con iGPSPORT Bike Computer



### Controlla SR mini tramite bike computer

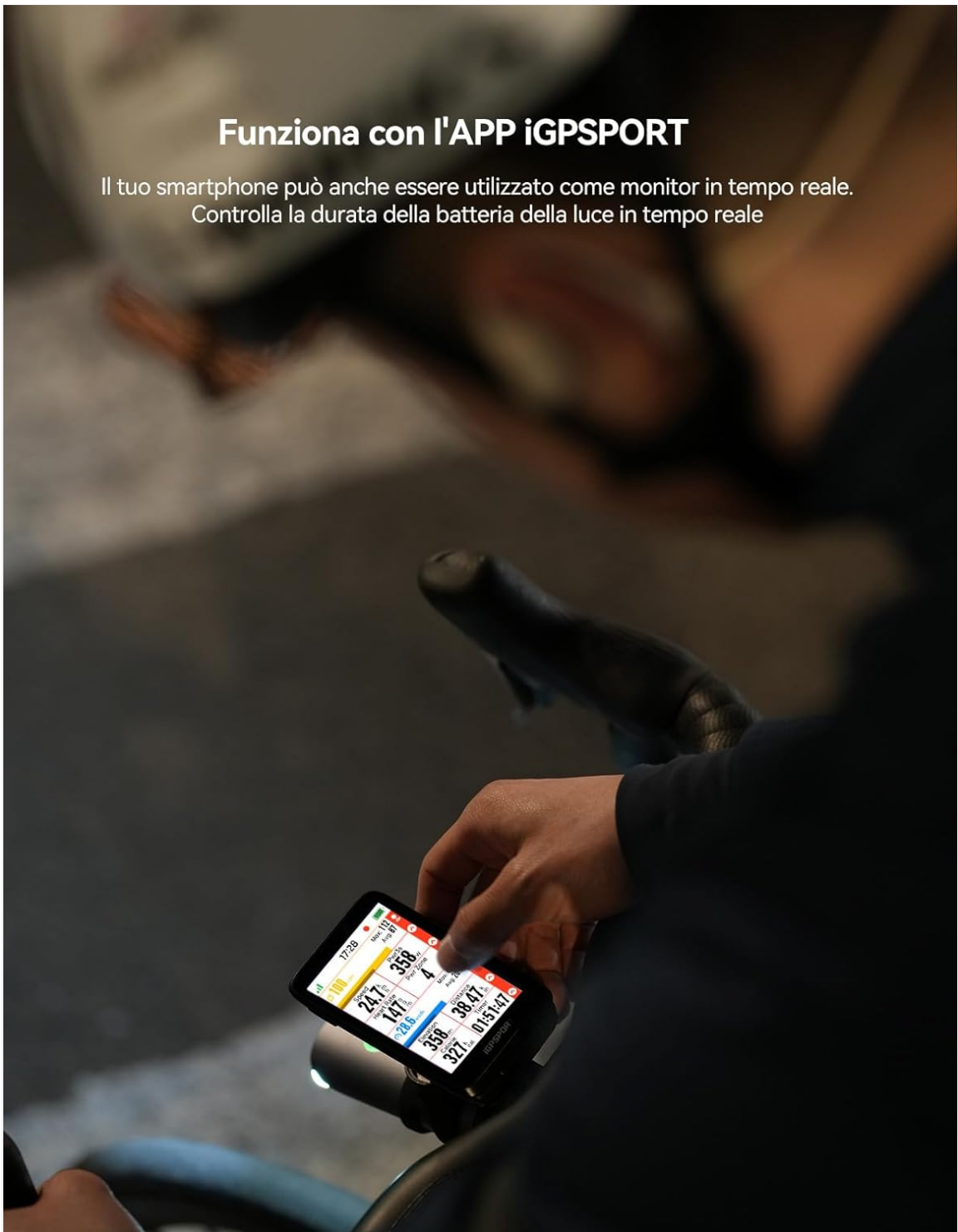


**Figure 10:** A cyclist interacting with their iGPSPORT bike computer, showing the interface for controlling the SRmini's settings and monitoring its battery life.

- **Smartphone App Control:** The iGPSPORT app allows for real-time monitoring, route planning, adjustment of lighting modes, and viewing of remaining battery life.

## Funziona con l'APP iGPSPORT

Il tuo smartphone può anche essere utilizzato come monitor in tempo reale.  
Controlla la durata della batteria della luce in tempo reale



**Figure 11:** A cyclist using the iGPSPORT smartphone app to manage the SRmini, demonstrating the app's interface for device control and monitoring.

## MAINTENANCE

---

### Cleaning

Wipe the SRmini with a soft, damp cloth to remove dirt and debris. Avoid using harsh chemicals or abrasive materials that could damage the device.

### Battery Care

To prolong battery life, charge the device regularly and avoid fully discharging it. Store the device in a cool, dry place when not in use for extended periods.

## Water Resistance

The SRmini is IPX7 waterproof, meaning it can withstand immersion in water up to 1 meter for 30 minutes. However, it is not recommended for prolonged underwater use. Ensure the charging port cover is securely closed to maintain water resistance.



**Figure 12:** The SRmini mounted on a bicycle in rainy conditions, demonstrating its IPX7 waterproof capability.

## TROUBLESHOOTING

---

### Device Not Turning On

- Ensure the device is fully charged.
- Press and hold the power button for a few seconds to ensure it's not just a short press.

### Radar Not Detecting Vehicles or Inconsistent Performance

- Check that the SRmini is mounted correctly and vertically, with no obstructions to the radar sensor.
- Ensure the device is paired correctly with your bike computer or app.
- Verify that your bike computer's firmware is up to date, as compatibility issues can sometimes arise (e.g., with iGPSPORT BSC300T, ensure latest firmware).
- Test the radar in an open area with clear line of sight to approaching vehicles.

### Connectivity Issues (ANT+/Bluetooth)

- Ensure the SRmini is within range of your bike computer or smartphone.
- Restart both the SRmini and the receiving device (bike computer/smartphone).
- Unpair and re-pair the SRmini from your device's sensor settings.
- Check for interference from other electronic devices.

## SPECIFICATIONS

---

Feature	Specification
Model Number	SRmini
Brand	iGPSPORT



Feature	Specification
Dimensions (Product)	5.3L x 1.4W x 8.2H cm
Weight	66 grams
Material	Plastic
Power Source	Battery (1 non-standard battery included)
Luminosity	Max 65 lumens
Radar Detection Distance	Up to 160 meters
Radar Detection Angle	45 degrees
Connectivity	ANT+, Bluetooth 5.0
Water Resistance Level	IPX7 (Waterproof)
Operating Modes	7 light modes
Automatic Features	Brake detection, Auto Start/Stop, Ambient Light Adjustment

## WARRANTY AND SUPPORT

---






### Warranty Information

Specific warranty details are typically provided with the product packaging or can be found on the official iGPSPORT website. Please refer to your purchase documentation for the most accurate and up-to-date warranty policy.

### Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact iGPSPORT customer support through their official website or the contact information provided in your product documentation.

### Related Documents - SRmini

	<p><a href="#">iGPSPORT iGS10 GPS Cycling Computer User Manual</a></p> <p>Comprehensive user manual for the iGPSPORT iGS10 GPS Cycling Computer, covering setup, features, specifications, and troubleshooting. Learn how to connect sensors, set preferences, and upload data.</p>
	<p><a href="#">iGS630 Cycling Computer User Manual</a></p> <p>User manual for the iGS630 cycling computer, covering initial setup, charging, button features, smartphone pairing, firmware updates, installation, riding modes, navigation, workouts, history, settings, and app usage.</p>
	<p><a href="#">iGS800 GPS Bike Computer User Manual</a></p> <p>Comprehensive user manual for the iGS800 GPS Bike Computer, covering product introduction, button functions, icon descriptions, charging, pairing, firmware updates, installation, riding modes, navigation, training features, data analysis, settings, and more.</p>
	<p><a href="#">iGS630 GPS Bike Computer User Manual</a></p> <p>Comprehensive user manual for the iGS630 GPS Bike Computer, detailing setup, features, riding modes, data analysis, and app integration. Learn how to maximize your cycling experience with this device.</p>
	<p><a href="#">iGPSPORT BSC200S GPS Cycling Computer User Manual</a></p> <p>This user manual provides comprehensive instructions for the iGPSPORT BSC200S GPS cycling computer, covering setup, operation, features, and maintenance. Learn how to install the device, pair it with your smartphone, navigate routes, track rides, and utilize smart notifications.</p>

## USER MANUAL

iGS630 GPS BIKE COMPUTER

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



WEIHAI QIAN TECHNOLOGY CO., LTD.

### [iGS630 GPS Bike Computer User Manual](#)

Comprehensive user manual for the iGS630 GPS Bike Computer, covering setup, features, riding modes, data analysis, and app integration. Learn how to maximize your cycling experience with this device.