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iGPSPORT SR mini

iGPSPORT SR mini Radar Bike Light User Manual

Model: SR mini | Brand: iGPSPORT

1. INTRODUCTION

The iGPSPORT SR mini Radar Bike Light is an advanced cycling accessory designed to enhance rider safety and awareness. It integrates a powerful tail light with a millimeter-wave radar system to detect approaching vehicles from behind, providing real-time alerts to the rider. This device offers multiple lighting modes, long battery life, and smart connectivity with iGPSPORT bike computers and mobile applications, making your rides safer and more informed.



Figure 1: iGPSPORT SR mini Radar Bike Light

2. PACKAGE CONTENTS

Please check the box for the following items:

- 1 x SR mini Radar Taillight
- 1 x M30 Saddle Mount (with screw)
- 1 x Hex Wrench
- 1 x Quick Start Manual
- 1 x Charging Cable (Type C)
- 1 x Tether

Package Contents



Figure 2: All items included in the SR mini package.

3. SETUP

3.1. Charging the Device

Before first use, fully charge the SR mini using the provided Type C charging cable. Connect the cable to the

charging port on the device and a standard USB power adapter. The indicator light will show charging status.

3.2. Mounting the SR mini

The SR mini is designed for seatpost mounting. Use the included M30 Saddle Mount and hex wrench to securely attach the device to your bicycle's seatpost. Ensure the light is facing directly backward and is not obstructed.

Easy Installation

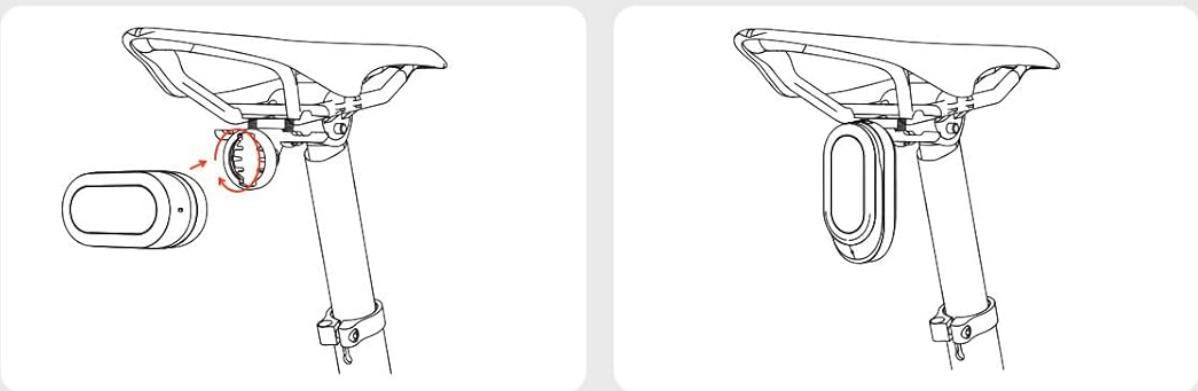


Figure 3: Step-by-step guide for mounting the SR mini.

3.3. Pairing with Bike Computer or App

The SR mini can be paired with compatible iGPSPORT bike computers (e.g., BSC200S, BSC300T, iGS630S, BiNavi, iGS800) or the iGPSPORT APP. It also supports other brands of bike computers or smartwatches that use standard connection protocols.

1. Turn on the SR mini by pressing the power button.
2. On your bike computer or smartphone app, navigate to the sensor pairing menu.
3. Select the SR mini from the list of available devices to complete the pairing process.

Figure 4: SR mini connected and controlled via an iGPSPORT bike computer.

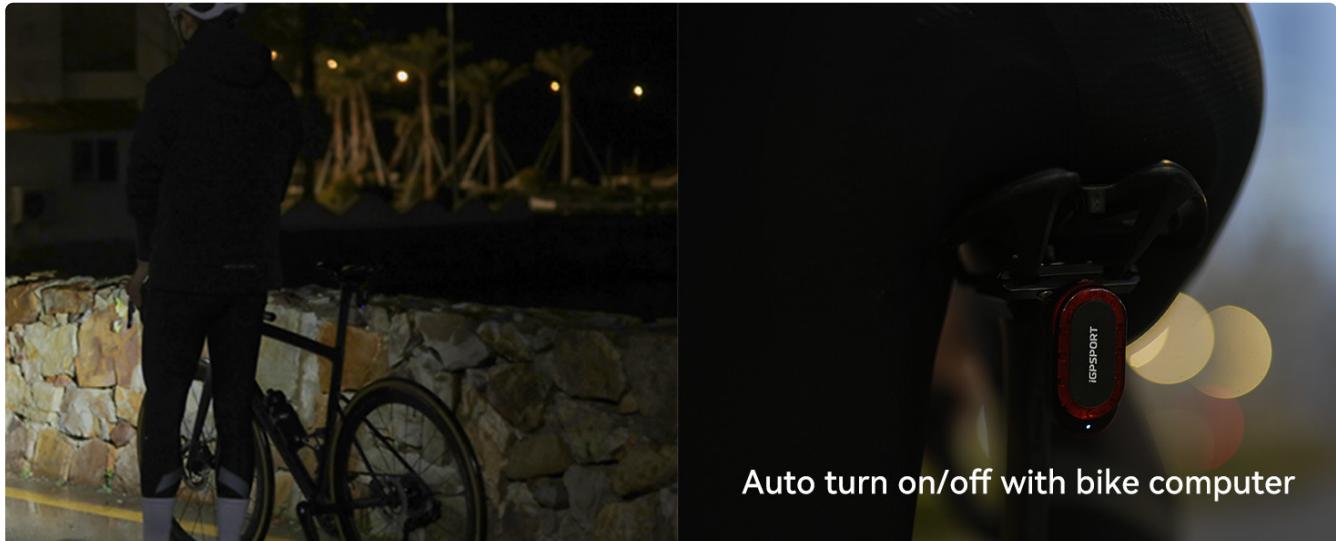


Figure 5: The iGPSPORT app can be used as a real-time monitor and controller for the SR mini.

4. OPERATING THE SR MINI

4.1. Power On/Off and Auto Features

Press and hold the power button to turn the device on or off. The SR mini features automatic sleep/wake functionality, reducing power consumption when stationary and activating when motion is detected.

4.2. Radar Functionality

The integrated millimeter-wave radar intelligently detects vehicles approaching from behind within a 160m range. It has a beam angle of up to 45°, providing comprehensive coverage. The device automatically identifies the danger level and transmits this information to your paired display terminal (bike computer or app).

Wider Monitoring Range



Figure 6: The SR mini provides a wider monitoring range for enhanced safety.

4.3. Intelligent Reminders and Warnings

When a vehicle approaches from behind, the SR mini provides visual and audible alarms through the display terminal. It also uses high-frequency flashes to alert vehicles approaching within 220° and 1 mile behind the rider. The system can detect up to 8 vehicles simultaneously.

Real-time Warning

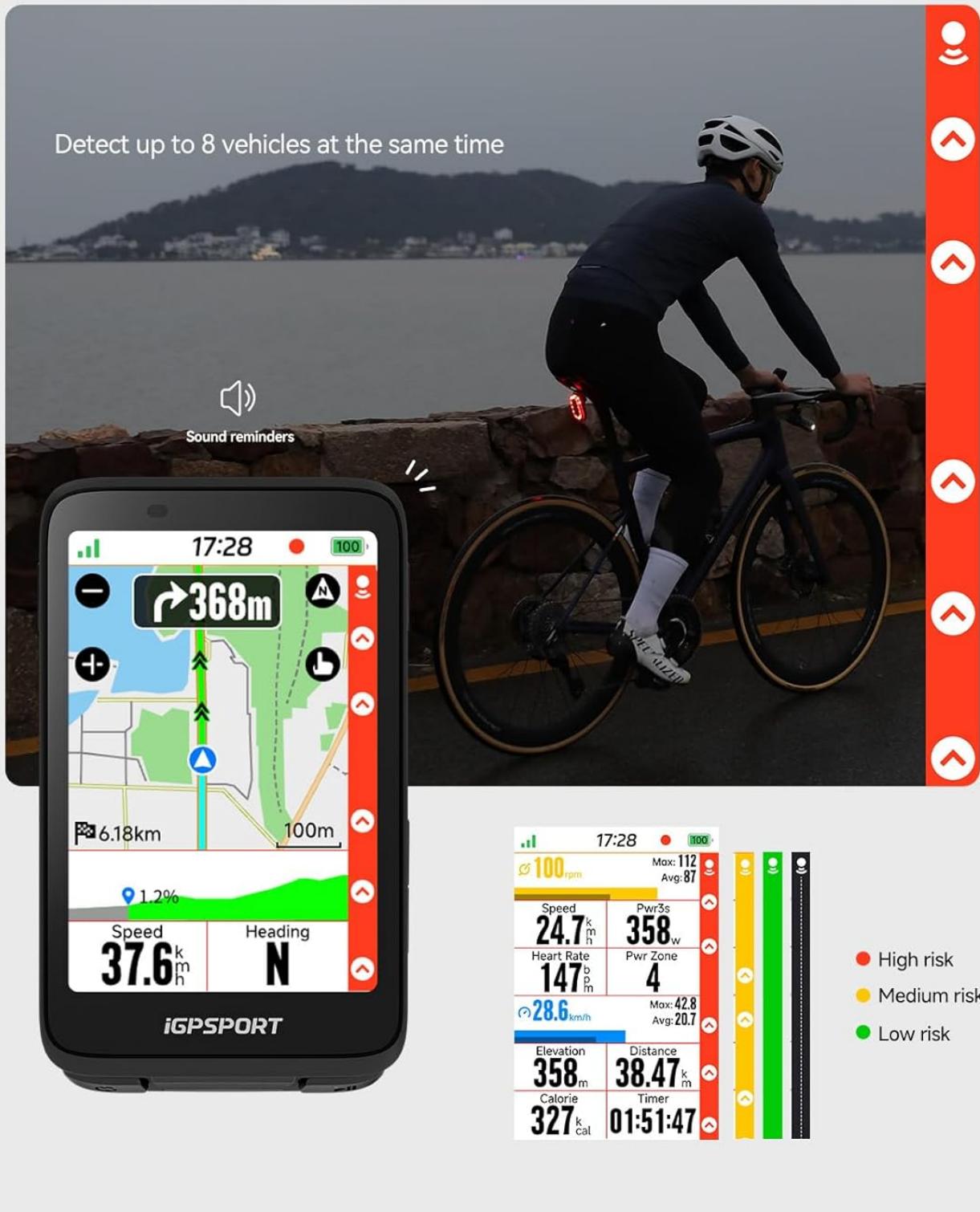


Figure 7: Real-time warning display on a bike computer, showing detected vehicles and risk levels.

4.4. Brake Flash Feature

A built-in high-precision sensor automatically highlights the tail light when braking, providing an immediate and clear signal to following traffic.

Auto Highlights Once Braking



Figure 8: The SR mini automatically brightens when the rider brakes.

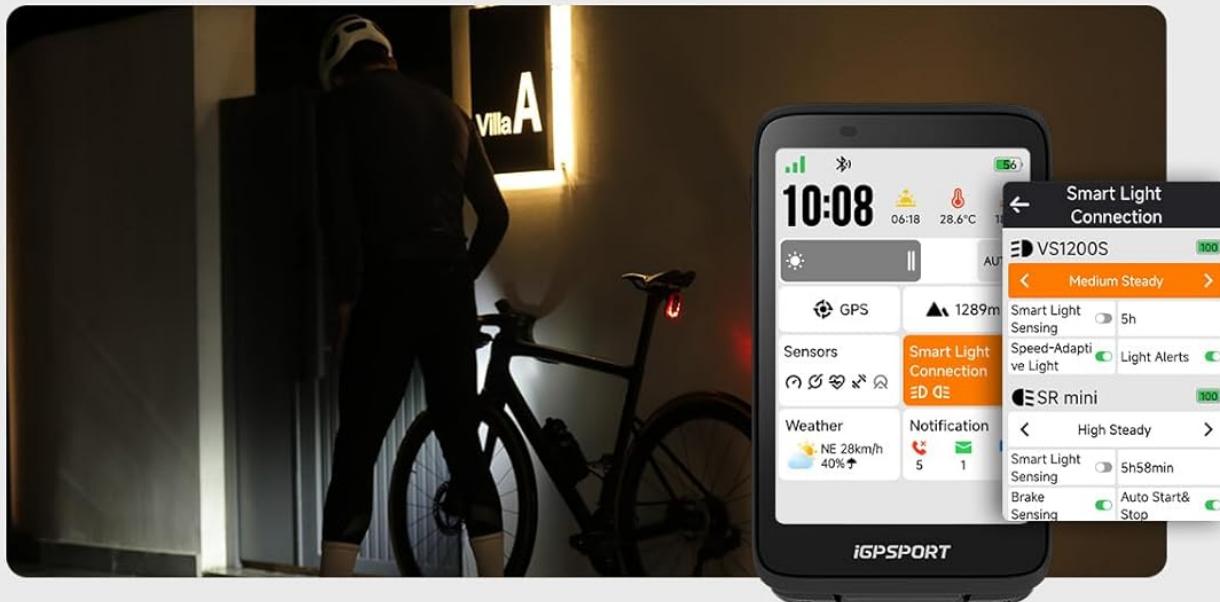
4.5. Working Modes

The SR mini offers 7 distinct working modes to suit various riding conditions and preferences:

- **Solid Mode:** Constant illumination.
- **Peloton Mode:** Optimized for group rides, less intense light to avoid dazzling other riders.
- **Pulse Mode:** A rhythmic pulsing light pattern.

- **Day Flash Mode:** High-frequency, high-brightness flashes for daytime visibility.
- **Night Flash Mode:** Lower intensity flashes suitable for night riding.
- **Single Radar Mode:** Radar functionality only, with the light off.
- **Warning Mode:** Continuous flashing of the light.

Works with iGPSPORT Bike Computer



Control SR mini via bike computer

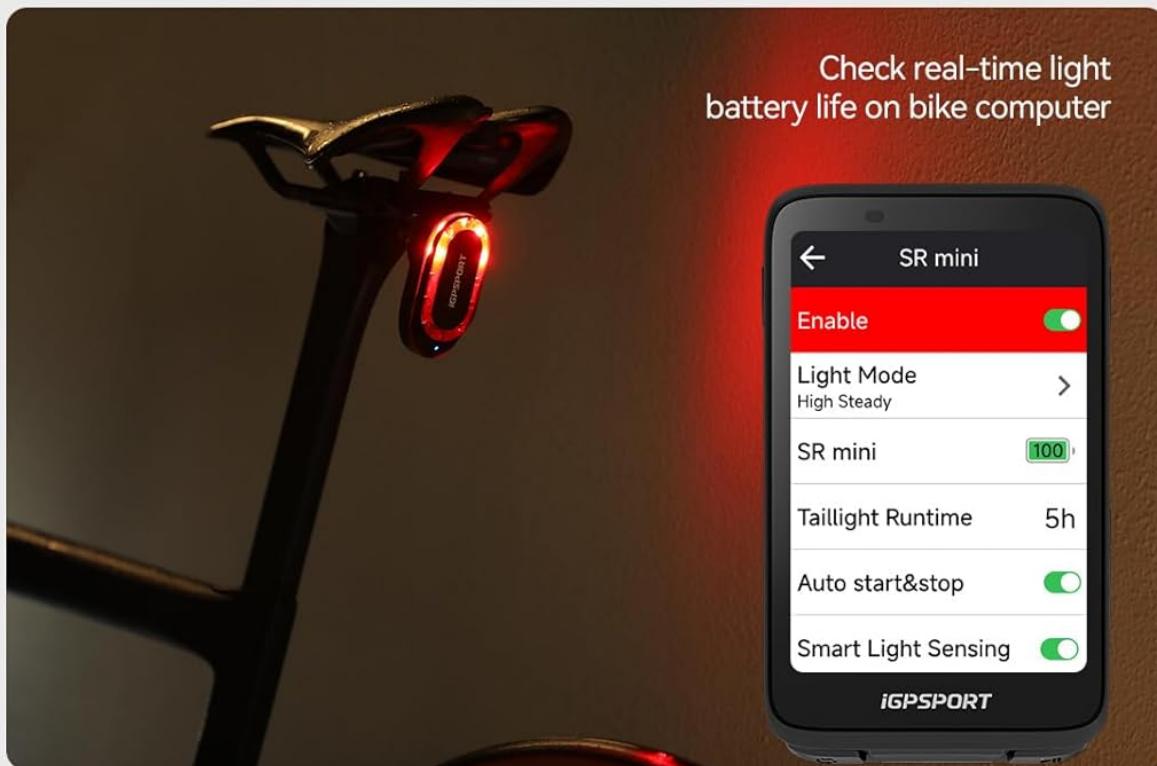


Figure 9: Overview of the SR mini's working modes and their respective battery life.

4.6. Battery Life

The SR mini provides extended battery life, up to 20 hours in light mode and up to 25 hours in single radar mode. The device automatically reduces brightness when the battery is low to conserve power.

4.7. Official Product Video

Watch this official video from iGPSPORT to see the SR mini Radar Bike Light in action, demonstrating its features and benefits for enhanced cycling safety.

Your browser does not support the video tag.

Video 1: Official demonstration of the iGPSPORT SR mini Radar Bike Light.

5. MAINTENANCE

5.1. Cleaning

To maintain optimal performance, regularly clean the SR mini with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the device's surface or internal components.

5.2. Water Resistance

The SR mini is rated IPX7 waterproof, meaning it can withstand immersion in water up to 1 meter for 30 minutes. This makes it suitable for use in various weather conditions, including rain. However, it is not designed for prolonged underwater use.

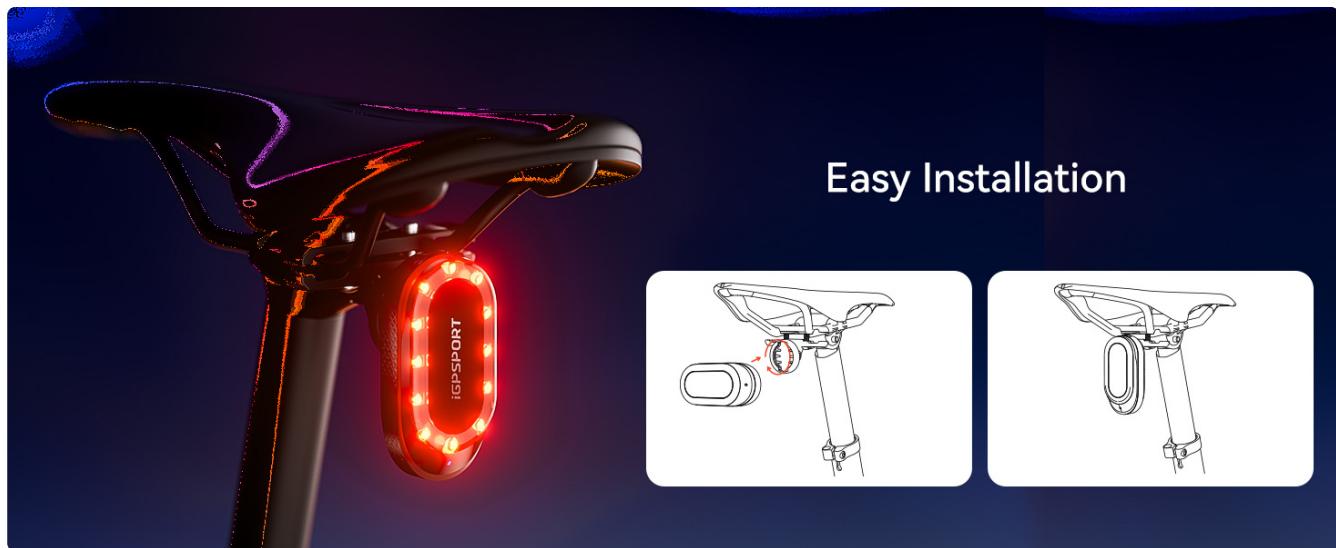


Figure 10: The SR mini is IPX7 waterproof, ensuring reliable performance in wet conditions.

6. TROUBLESHOOTING

6.1. Device Not Turning On

- Ensure the device is fully charged. Connect it to a power source and check the charging indicator.
- Press and hold the power button for at least 3 seconds.

6.2. Unable to Pair with Bike Computer/App

- Make sure the SR mini is turned on and within range of your bike computer or smartphone.

- Check that Bluetooth is enabled on your bike computer or smartphone.
- Ensure your bike computer or app is compatible with the SR mini.
- Try restarting both the SR mini and your bike computer/app.

6.3. Radar Not Detecting Vehicles or False Alarms

- Ensure the SR mini is mounted correctly and its radar sensor is not obstructed by saddlebags, clothing, or other objects.
- The radar detects vehicles that are approaching and closing the distance. If a vehicle matches your speed or falls back, it may temporarily disappear from detection. This is normal behavior for radar systems.
- Environmental factors like heavy rain or dense fog can affect radar performance.

7. SPECIFICATIONS

Feature	Specification
Model Name	SR mini
Color	Black
Material	Plastic
Power Source	Battery Powered
Water Resistance Level	IPX7 (Waterproof)
Mounting Type	Seatpost Mount
Monitoring Distance	160m
Radar Beam Angle	45°
Battery Life (Light Mode)	Up to 20 hours
Battery Life (Single Radar Mode)	Up to 25 hours
Charging Port	Type C

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The iGPSPORT SR mini Radar Bike Light comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For any questions, concerns, or technical assistance regarding your iGPSPORT SR mini, please contact our customer service team. We are committed to your satisfaction and will respond to your inquiries within 24 hours.

You can find more information and support on the official iGPSPORT website or through your purchase platform.

Related Documents - SR mini

 <p>iGPSPORT USER MANUAL SRTL SR30</p> <p>WUHAN QIMU TECHNOLOGY CO.,LTD.</p>	<p><u>iGPSPORT SRTL SR30 Smart Radar Tail Light User Manual</u></p> <p>User manual for the iGPSPORT SRTL SR30 Smart Radar Tail Light, detailing its features, operation, installation, maintenance, and safety precautions. The device detects approaching vehicles and provides alerts.</p>
 <p>USER MANUAL iGS630 GPS BIKE COMPUTER www.igpsport.com</p> <p>WUHAN QIMU TECHNOLOGY CO.,LTD.</p>	<p><u>iGS630 GPS Bike Computer User Manual</u></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>USER MANUAL iGS630 GPS BIKE COMPUTER www.igpsport.com</p> <p>WUHAN QIMU TECHNOLOGY CO.,LTD.</p>	<p><u>iGS630 GPS Bike Computer User Manual</u></p> <p>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.</p>
 <p>UŽIVATELSKÁ PŘÍRUČKA navigace iGPSPORT iGS630S www.igpsport.com</p> <p>WUHAN QIMU TECHNOLOGY CO.,LTD.</p>	<p><u>iGPSPORT iGS630S GPS Bike Computer User Manual</u></p> <p>This user manual provides comprehensive instructions for the iGPSPORT iGS630S GPS bike computer, covering initial setup, navigation, training features, settings, and connectivity with the iGPSPORT APP.</p>

iGPSPORT

VS1200

CHYTRÉ PŘEDNÍ SVĚTLO
SMART FRONTLIGHT
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USER MANUAL



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[iGPSPORT VS1200 Smart Frontlight User Manual](#)

Comprehensive user manual for the iGPSPORT VS1200 Smart Frontlight, detailing features, specifications, operating procedures, and safety warnings. Learn how to install, use, and maintain your cycling light.

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User Manual

BS200S Smart GPS Bike Computer

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[iGPSPORT BSC200S Smart GPS Bike Computer User Manual](#)

Comprehensive user manual for the iGPSPORT BSC200S Smart GPS Bike Computer, covering setup, features, riding modes, navigation, training, and settings.

