Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

iGPSPORT SR mini

iGPSPORT SR mini Bicycle Rear Radar Tail Light User Manual

Enhanced Cycling Safety and Awareness

1. Introduction

The iGPSPORT SR mini is a compact and lightweight bicycle rear radar tail light designed to enhance rider safety by detecting approaching vehicles from behind. It integrates radar detection with a bright tail light, providing both visual and audible warnings to the rider via compatible cycle computers or the iGPSPORT app.

Key features include:

- Rear vehicle detection up to 160 meters.
- Automatic brake light function.
- Seven distinct light modes for various riding conditions.
- Automatic light adjustment based on ambient light.
- Up to 20 hours of battery life.
- IPX7 waterproof rating.
- Seamless integration with iGPSPORT cycle computers and app.

2. Package Contents

Verify that all items are present in the package:

- SR mini Light Unit ×1
- Seat Post Mount (with screws) ×1
- Quick Start Guide ×1
- USB Type-C Charging Cable ×1
- Tether ×1
- Hex Wrench ×1

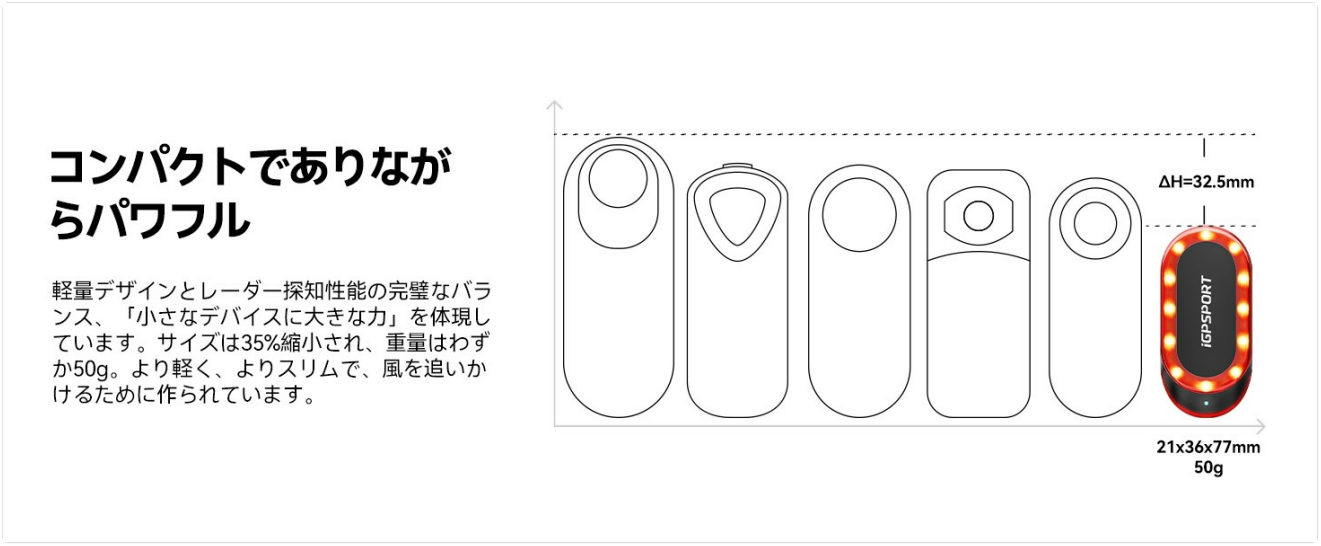

Image: Contents of the iGPSPORT SR mini package.

3. Installation

The SR mini is designed for easy installation on your bicycle's seat post.

1. **Attach the Mount:** Secure the provided seat post mount to your bicycle's seat post using the included screws and hex wrench. Ensure the mount is firmly tightened and positioned horizontally for optimal radar performance.
2. **Mount the SR mini:** Slide the SR mini unit onto the mount until it clicks securely into place. Ensure the light faces directly backward.
3. **Use the Tether:** For added security, attach the tether to the SR mini and loop it around your seat post or saddle rails.



Image: Step-by-step installation of the SR mini on a bicycle.

4. Setup and Pairing

The SR mini can be paired with compatible iGPSPORT cycle computers or the iGPSPORT app for enhanced functionality.

1. **Power On:** Press and hold the power button on the SR mini until the light illuminates.
2. **Pairing with Cycle Computer:**
    - On your iGPSPORT cycle computer, navigate to the sensor pairing menu.
    - Select 'Add Sensor' and choose 'Radar' or 'Tail Light'.
    - The cycle computer will search for the SR mini. Once detected, select it to pair.
    - Follow any on-screen prompts to complete the pairing process.
3. **Pairing with iGPSPORT App:**
    - Download and open the iGPSPORT app on your smartphone.
    - Ensure Bluetooth is enabled on your phone.
    - In the app, go to 'Devices' and select 'Add Device'.
    - The app will scan for the SR mini. Select it to connect.
    - The app allows for smart control, firmware updates, and detailed settings adjustments.

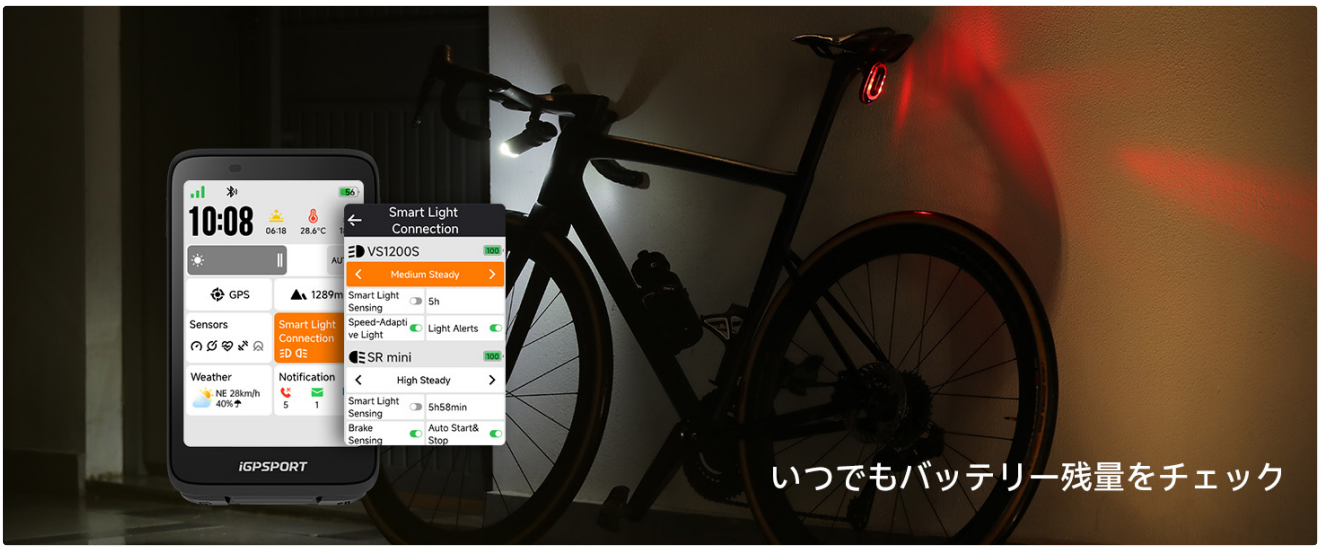

Image: Connecting the SR mini to an iGPSPORT cycle computer and app.

5. Operating Instructions

5.1 Power On/Off

- **Power On:** Press and hold the power button for 2 seconds.
- **Power Off:** Press and hold the power button for 3 seconds.

5.2 Light Modes

The SR mini offers 7 light modes to suit different riding conditions. Press the power button briefly to cycle through the modes.



Image: Available light modes and their estimated battery life.

5.3 Radar Functionality

The radar detects approaching vehicles from up to 160 meters behind you, within a 45-degree horizontal angle, and can track up to 8 vehicles simultaneously. Warnings are displayed on your paired cycle computer or smartphone app.

- **Visual Warnings:** On a compatible cycle computer, a sidebar will appear, changing color based on the

proximity of vehicles (e.g., orange for approaching, red for close/high-risk within 3 seconds).

- **Audible Warnings:** The cycle computer or app may provide audible alerts to notify you of approaching vehicles.



Image: Real-time radar warnings displayed on a cycle computer.



Image: Wide-range monitoring and radar detection angle.

5.4 Brake Light Function

When you apply sudden brakes, the SR mini's tail light will automatically illuminate brightly to signal your deceleration to riders and drivers behind you. This feature enhances safety by providing clear indication of speed changes.



Image: Automatic brake light activation.

5.5 Automatic Light Sensing

When connected to a compatible cycle computer with a light sensor, the SR mini can automatically adjust its brightness or turn on/off based on ambient light conditions. For example, it will turn on automatically when entering a tunnel or at dusk, and turn off in bright daylight, saving battery and providing convenience.



Image: Automatic light adjustment based on ambient light.

5.6 Synchronized Power Off

When paired with a compatible iGPSPORT cycle computer, the SR mini can be configured to power off automatically when the cycle computer is turned off or when a ride is stopped. This feature helps conserve battery life and simplifies operation.

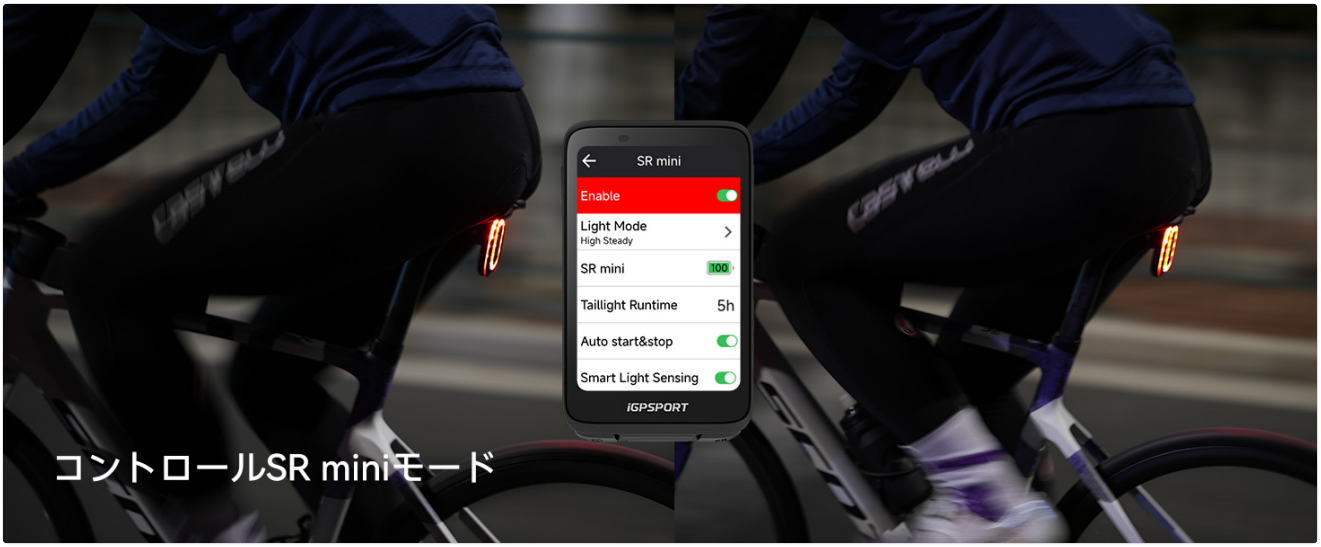

Image: Synchronized power off and automatic start/stop functions.

5.7 App Control and Battery Status

The iGPSPORT app provides smart control over the SR mini, allowing you to customize light modes, check battery status, and view estimated remaining runtime. You can also manage other smart functions and receive firmware updates through the app.



Image: Checking battery status and controlling SR mini via the app.

6. Battery and Charging

The SR mini is equipped with a 1100mAh battery, providing up to 20 hours of operation depending on the selected light mode and radar usage. It charges via a USB Type-C port.

- **Charging:** Connect the provided USB Type-C cable to the SR mini's charging port and a USB power source. The charging indicator will show charging status.
- **Automatic Sleep:** To extend battery life, the device automatically enters sleep mode when stationary. It instantly wakes up when motion is detected or a button is pressed. The default automatic sleep time is 120 seconds, which can be customized via the app.



Image: Automatic sleep feature for extended battery life.

7. Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Waterproofing:** The SR mini has an IPX7 waterproof rating, meaning it can withstand immersion in water up to 1 meter for 30 minutes. It is suitable for use in rainy conditions, but avoid prolonged submersion. Ensure the USB port cover is securely closed.
- **Storage:** Store the device in a cool, dry place when not in use. Charge the battery periodically if storing for extended periods to prevent deep discharge.



Image: SR mini operating in rainy conditions, highlighting IPX7 waterproofing.

8. Troubleshooting

If you encounter issues with your iGPSPORT SR mini, refer to the following common solutions:

- **Device not turning on:** Ensure the battery is charged. Connect to a power source and try again.
- **Cannot pair with cycle computer/app:** Ensure the SR mini is powered on and within range. Check that Bluetooth/ANT+ is enabled on your cycle computer/smartphone. Try restarting both devices.
- **Radar not detecting vehicles:** Ensure the SR mini is mounted correctly, facing directly backward, and not

obstructed by saddlebags or clothing. The radar detects vehicles moving at a relative speed of 4-110 km/h.

- **Inaccurate radar readings:** Environmental factors like heavy traffic, tunnels, or sharp curves can affect radar performance. Always maintain situational awareness and do not rely solely on the radar.
- **Short battery life:** Check the selected light mode; brighter modes consume more power. Ensure automatic sleep is enabled. Reduce screen brightness on connected devices if they are drawing power from the SR mini.
- **Brake light not activating:** Ensure the device is firmly mounted and its internal accelerometer can accurately detect deceleration.

9. Specifications

Feature	Specification
Model	SR mini
Dimensions (L x W x H)	77 x 37 x 19 mm (excluding mount)
Weight	Approx. 50g
Max Brightness	30 Lumens
Horizontal Viewing Angle	220°
Tail Light Visible Distance	Max 1.2 km
Radar Detection Distance	160m
Radar Detection Angle	Horizontal ±22.5°, Vertical ±17.5°
Detectable Target Relative Speed	4-110 km/h
Max Detected Targets	8
Battery Capacity	1100mAh
Communication Protocol	Bluetooth, ANT+
Charging Port	USB Type-C
Waterproof Rating	IPX7
Material	Plastic
Color	Red

10. Warranty and Support

The iGPSPORT SR mini comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use conditions.

For warranty claims, technical support, or any inquiries regarding initial setup, usage, or product issues, please contact iGPSPORT Official support. Please refer to the warranty policy for detailed terms and conditions.

Manufacturer: iGPSPORT
Seller: iGPSPORT Official

© 2024 iGPSPORT. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0DZHXSGYZ

More documents and user manuals: **https://manuals.plus/**