

iGPSPORT iGS50S

iGPSPORT iGS50S Wireless GPS Bicycle Computer User Manual

Model: iGS50S

1. INTRODUCTION

Thank you for choosing the iGPSPORT iGS50S Wireless GPS Bicycle Computer. This device is designed to provide cyclists with accurate and comprehensive data tracking for their rides. Featuring advanced GPS and Beidou positioning, ANT+ and Bluetooth connectivity, a clear 2.2-inch LCD display, and an IPX7 waterproof rating, the iGS50S is built for reliable performance in various cycling conditions. This manual will guide you through the setup, operation, and maintenance of your new bicycle computer.

2. PRODUCT OVERVIEW

The iGS50S is a compact and lightweight bicycle computer that offers a wide range of features for tracking your cycling performance. Its intuitive button interface and large display ensure ease of use during your rides.

2.1 Included Components

- iGPSPORT iGS50S Bicycle Computer x 1
- USB Cable x 1
- Mount Base x 2
- Rubber Mounting Ring x 2
- User Manual x 1

2.2 Key Features

- **Dual Satellite Positioning:** Supports GPS and Beidou for fast and accurate location tracking.
- **Large 2.2-inch LCD Display:** Provides clear visibility of up to 24 data points.
- **Smart Backlight:** Automatic adjustment based on sunrise and sunset for optimal readability.
- **ANT+ & Bluetooth Connectivity:** Allows pairing with various external sensors (speed, cadence, heart rate) and data synchronization with the iGPSPORT app.
- **Long Battery Life:** Over 40 hours of typical use with a 1200mAh battery.

- **IPX7 Waterproof:** Designed to withstand rain and splashes.



Figure 1: Overview of iGS50S features including GPS+Beidou, quick boot, large screen, 40-hour battery life, Bluetooth 5.0, ANT+ connectivity, auto lap, IPX7 waterproof rating, tracking, warning functions, app settings, and web integration.

3. SETUP

3.1 Mounting the Device

The iGS50S can be mounted on your bicycle's handlebar or stem using the provided mount bases and rubber rings.

1. Select a suitable location on your handlebar or stem that provides clear visibility and easy access.
2. Place a rubber mounting ring around the handlebar/stem.
3. Position the mount base over the rubber ring.
4. Secure the mount base firmly with the remaining rubber ring, ensuring it is tight and stable.
5. Twist the iGS50S device onto the mount base until it locks securely into place.

3.2 Initial Power On and GPS Acquisition

To power on the device, press and hold the power button. For initial GPS acquisition, ensure you are in an open outdoor area with a clear view of the sky. The device will automatically search for GPS and Beidou satellite signals. This process may take a few minutes for the first use. Once connected, the time and date will be automatically calibrated.

3.3 Basic Settings

Access the device settings to configure preferences such as:

- **Units:** Switch between KMH (kilometers per hour) and MPH (miles per hour).
- **Time Zone:** Adjust your local time zone.
- **Backlight:** Adjust backlight brightness or enable/disable automatic backlight.

3.4 Sensor Pairing (ANT+/Bluetooth)

The iGS50S supports pairing with external ANT+ and Bluetooth sensors (e.g., speed, cadence, heart rate monitors) to enhance data accuracy. Sensors are sold separately.

1. Ensure your external sensor is awake and in pairing mode.
2. On the iGS50S, navigate to the sensor pairing menu.
3. Select the type of sensor you wish to pair (e.g., Speed, Cadence, Heart Rate).
4. The device will search for available sensors. Select your sensor from the list to pair.
5. Once paired, the sensor icon will appear on the display, indicating a successful connection.

2.2 INCH LARGE SCREEN



Figure 2: The iGS50S can be paired with ANT+ sensors such as heart rate, cadence, and speed sensors. These sensors are sold separately.

4. OPERATING THE DEVICE

4.1 Display Modes and Data Fields

The iGS50S features a 2.2-inch LCD display capable of showing up to 24 different types of cycling data. The smart backlight automatically adjusts for optimal visibility in varying light conditions, turning on before sunset and off after sunrise.

UPLOAD CYCLING ROUTES

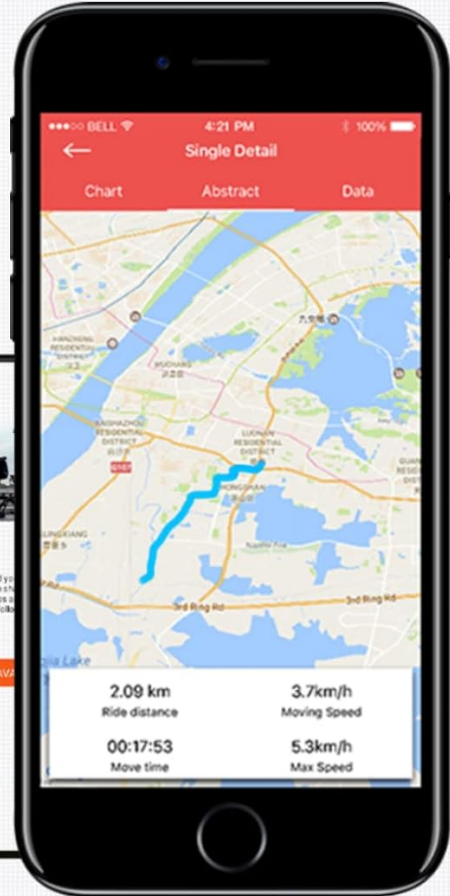


Figure 3: The iGS50S displays up to 24 types of data, including speed, mileage, cadence, heart rate, temperature, altitude, and more. The speed unit can be selected between KMH or MPH.

2.2 INCH OUTDOOR ANTI-GLARE SPECIAL SCREEN

Backlight Turns On Before Sunset and Turns Off After Sunrise Automatically.

Easy To Read in Sunlight or Low-Light Conditions.



Figure 4: The 2.2-inch large screen ensures all your cycling data is clearly visible at a glance.

2.2 INCH OUTDOOR ANTI-GLARE SPECIAL SCREEN



Figure 5: The 2.2-inch outdoor anti-glare screen with automatic backlight provides excellent readability in both bright sunlight and low-light conditions.

4.2 Recording a Ride

To start recording your ride data, ensure the device has a GPS signal. Press the appropriate button (usually the 'Start' or 'Record' button) to begin. Press it again to pause or stop the recording. The device will save your ride data automatically.

4.3 Auto Lap Function

The iGS50S includes an auto lap function, which can be configured in the settings. This feature automatically marks laps based on predefined distance or time intervals, allowing for detailed analysis of specific segments of your ride.

4.4 Data Synchronization

After your ride, you can synchronize your data to the iGPSPORT app on your smartphone via Bluetooth. The iGPSPORT app allows you to review your ride statistics and can integrate with third-party platforms like TrainingPeaks and Strava for further analysis and sharing. Please note that direct data upload to a computer is not supported.

ANT+ SENSOR PERIPHERALS

50S can be paired with speed sensor, cadence sensor and heart rate sensor. Products of other brands are also compatible.



*Sensors need to be purchased separately



Figure 6: Upload your cycling routes and data by syncing the iGS50S with the iGPSport app on your smartphone, which can then integrate with Strava and TrainingPeaks.

5. BATTERY AND CHARGING

The iGS50S is equipped with a 1200mAh rechargeable battery, providing over 40 hours of typical usage thanks to its automatic sleep function. To charge the device, connect it to a USB power source using the provided USB cable. A full charge typically takes approximately two hours. The device supports charging while in use, allowing for uninterrupted tracking on extended rides.

6. WATER RESISTANCE

The iGS50S has an IPX7 waterproof rating. This means it is protected against temporary immersion in water (up to 1 meter for 30 minutes). It is resistant to rain, splashes, and dust, making it suitable for use in various weather conditions. However, it is not recommended for prolonged submersion or high-pressure water jets.

7. MAINTENANCE

7.1 Cleaning

To clean your iGS50S, wipe it with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the device's casing or screen.

7.2 Storage

When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures. It is recommended to charge the battery to about 50% before long-term storage to preserve battery health.

8. TROUBLESHOOTING

- **Device not powering on:** Ensure the battery is charged. Connect to a USB power source and try again.
- **No GPS signal:** Move to an open outdoor area with a clear view of the sky. Wait a few minutes for the device to acquire signals.
- **Sensor not pairing:** Ensure the sensor is awake, has a fresh battery, and is within range. Re-enter pairing mode on both the iGS50S and the sensor.
- **Data not syncing to app:** Ensure Bluetooth is enabled on your smartphone and the iGS50S. Make sure the iGPSPORT app is open and updated. Try restarting both devices.
- **Inaccurate data:** Ensure GPS is locked and any external sensors are properly paired and calibrated (if applicable).

9. SPECIFICATIONS

Feature	Detail
Brand	iGPSPORT
Model Number	iGS50S
Color	Black
Screen Size	2.2 inches
Display Type	LCD
Battery Life	40 hours (typical use)
Battery Capacity	1200mAh
Charging Time	Approx. 2 hours (USB)
Sensor Type	GPS Sensor, Speed Sensor (internal); supports external ANT+ sensors
Connectivity Technology	GPS, Beidou, ANT+, Bluetooth
International Protection Rating	IPX7
Mount Type	Handlebar Mount or Stem Mount
Human Interface Input	Buttons

10. WARRANTY AND SUPPORT

10.1 Warranty Information

For specific warranty details, please refer to the warranty card included with your product or visit the official iGPSPORT website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

10.2 Customer Support

If you encounter any issues or have questions regarding your iGPSPORT iGS50S, please contact iGPSPORT customer support through their official website or the contact information provided in your product packaging. You can also find FAQs and additional resources on the iGPSPORT website.