iGPSPORT Bike Computer

iGPSPORT BiNavi Bike Computer User Manual

Model: Bike Computer

INTRODUCTION

The iGPSPORT BiNavi Bike Computer is a wireless GPS cycling computer designed to enhance your riding experience with advanced navigation, comprehensive data tracking, and smart connectivity features. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device.

Figure 1: The iGPSPORT BiNavi Bike Computer showing its intuitive display with map navigation and real-time cycling metrics.

KEY FEATURES

- **Smart MAP Navigation:** Set routes via the iGPSPORT APP or import from third-party apps like Strava and Komoot.
- **Yaw Planning (Off-Course Rerouting):** Automatically plans a new route if you deviate from your course.
- **Saved Point Navigation:** Navigate to previously saved locations at any time.
- **Music Control:** Control music playback from your paired smartphone for safer and more convenient riding.
- **Group Ride Function:** Share riding location, distance, and speed with other riders in your group.
- **Continue Last Ride Function:** Seamlessly resume your ride activity without data interruption.
- **iClimb 3.0:** New hill climbing planning with route preview to help distribute physical strength effectively.
- **Upgrade Training Plan:** Equipped with intelligent training analysis algorithms for targeted training guidance.
- **Dual-Band GPS & 5 Satellite Positioning:** Simultaneously receives L1 and L5 frequency band signals from GPS, Beidou, GLONASS, GALILEO, and QZSS for superior accuracy and anti-interference capabilities.
- **3.5" Semi-Transmissive Touchscreen:** Large, clear display for easy interaction.
- **Ultra-Lightweight & Ultra-thin Design:** Weighing 103 grams with a 14.5mm thickness for comfortable handling.
- **35-Hour Battery Life:** Extended battery life for long rides, with 1.5-hour fast charging.
- **Smart Alerts:** Over 20 smart features including call reminders, weather updates, and hydration prompts.
- **Expanded Device Connectivity:** Connects with heart rate monitors, speed sensors, cadence sensors, power meters, and smart bike lights.
- **Seamless Data Sync & Sharing:** Upload ride data to iGPSPORT, Strava, TrainingPeaks, Komoot, and more.

SETUP

1. Initial Charging

Before first use, fully charge your BiNavi Bike Computer. Connect the device to a USB power source using the provided charging cable. A full charge takes approximately 1.5 hours and provides up to 35 hours of battery life.

2. Mounting the Device

The BiNavi Bike Computer comes with a neck mount. Securely attach the mount to your bicycle's handlebars or stem according to the included mounting instructions. Ensure the device clicks firmly into place on the mount to prevent accidental detachment during rides.

3. Power On/Off

To power on, press and hold the power button located on the side of the device until the screen illuminates. To power off, press and hold the power button until the shutdown prompt appears, then confirm.

4. Initial Setup and Pairing

Upon first power-on, follow the on-screen prompts to select your language and basic settings. Download the iGPSPORT APP on your smartphone. Open the app and follow the instructions to pair your BiNavi Bike Computer via Bluetooth. This enables data synchronization, route planning, and smart notifications.

5. Satellite Acquisition

For accurate GPS tracking and navigation, ensure your device has a clear view of the sky. The BiNavi supports 5 satellite systems (GPS, Beidou, GLONASS, GALILEO, QZSS) and dual-band GPS for rapid and precise positioning.

Figure 2: The BiNavi's advanced GNSS technology ensures precise tracking and navigation, even in challenging environments.

OPERATING INSTRUCTIONS

Navigation Features

- **Route Planning:** Use the iGPSPORT APP to create new routes or import existing road books from platforms like Strava or Komoot. Once imported, sync them to your BiNavi device.
- **On-Route Guidance:** The device provides turn-by-turn directions, distance to next turn, and visual map guidance.
- **Off-Course Rerouting:** If you stray from your planned route, the BiNavi will automatically calculate and display an optimized path to get you back on track.
- **Saved Point Navigation:** Access and navigate to any previously saved locations directly from the device.

Full GNSS, Full Confidence

Experience multi-frequency tracking with full GNSS—leveraging five global satellite systems and dual-frequency technology for unmatched precision from city streets to off-road trails.
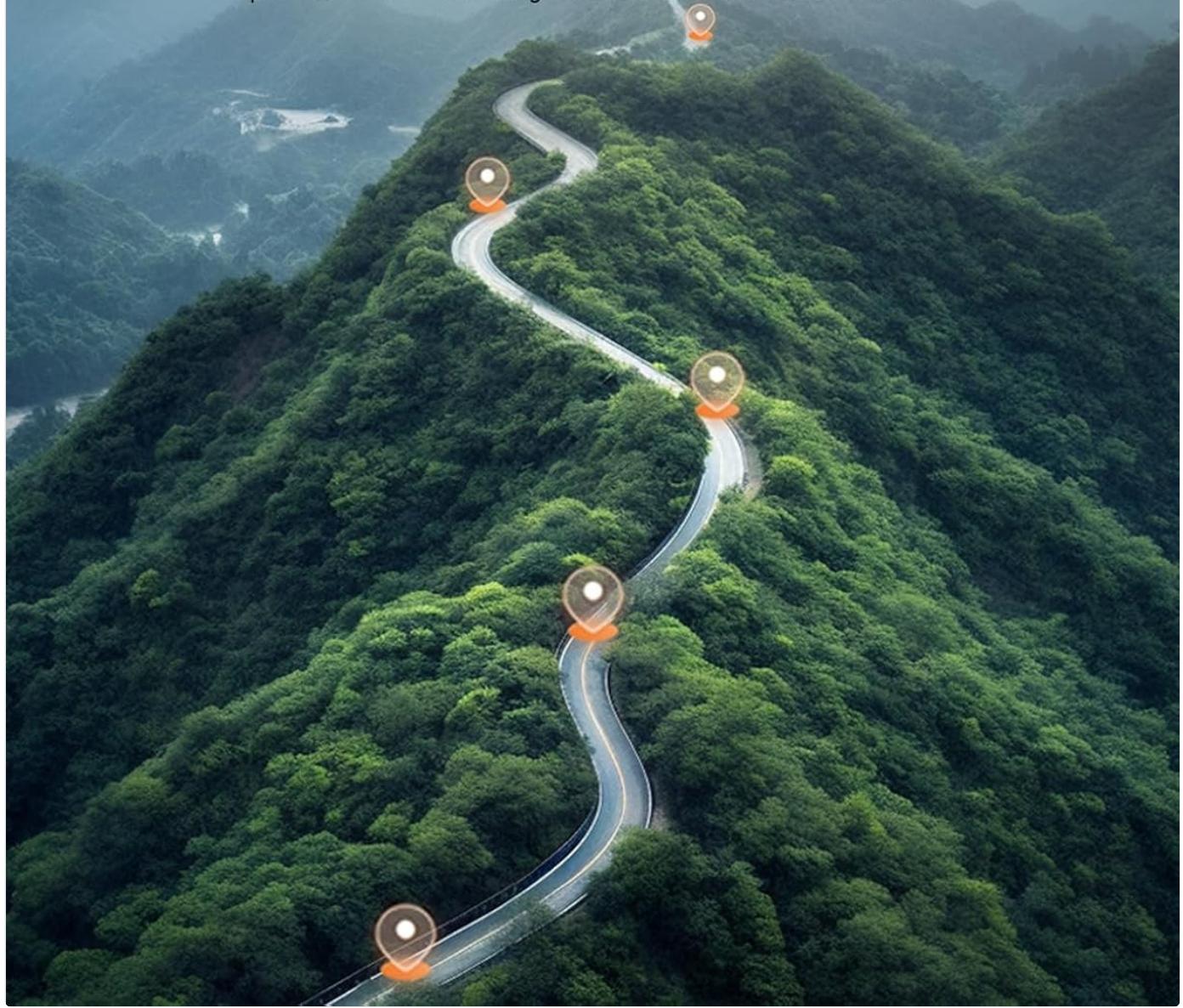
Figure 3: The BiNavi provides clear map navigation directly on your handlebars, ensuring you stay on course.
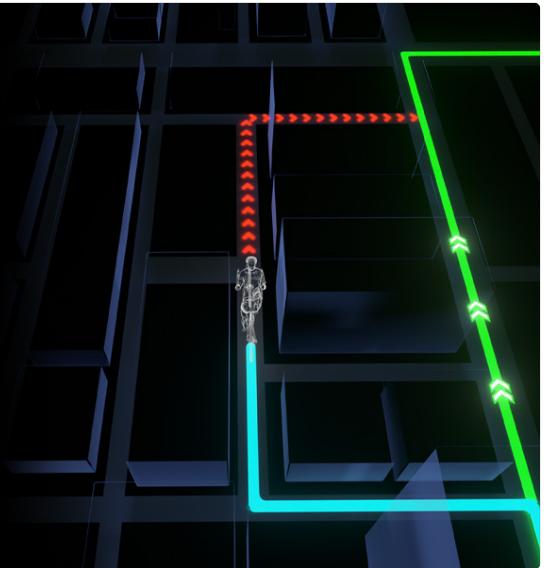
Figure 4: Smart re-routing capabilities ensure you always find your way back to the planned route.

Data Tracking and Training

- **Real-time Metrics:** Monitor speed, heart rate, cadence, power, distance, elevation, and more. The device supports over 160 data fields across 16 categories.

- **iClimb 3.0:** Provides detailed insights into upcoming climbs, including gradient and distance, to help you manage your effort.

- **Training Analysis:** Utilize intelligent algorithms to assess your training load, fitness trends, and receive personalized advice for targeted workouts.

- **Stamina & Recovery:** Track real-time stamina and monitor recovery status to optimize your training and rest periods.

Figure 5: The iClimb feature helps cyclists conquer hills by providing real-time climb data and insights.

Figure 6: Customize your display with over 160 data fields to see what matters most to your ride.

Connectivity and Smart Features

- **Music Control:** When paired with your phone, easily skip tracks, adjust volume, and control music directly from your BiNavi.
- **Group Riding:** Connect with fellow riders to share live location, distance, and speed, enhancing safety and camaraderie.
- **Sensor Integration:** Pair ANT+ and Bluetooth sensors (heart rate, speed, cadence, power) for comprehensive data collection.
- **Smart Light Connection:** Connect with compatible radar tail lights for real-time traffic updates and front lights that auto-adjust brightness.
- **Smart Alerts:** Receive call reminders, weather updates, and hydration prompts directly on your device screen.
- **E-Bike Mode:** Seamlessly links with electric-assist bikes to deliver real-time ride data for an enhanced e-cycling experience.
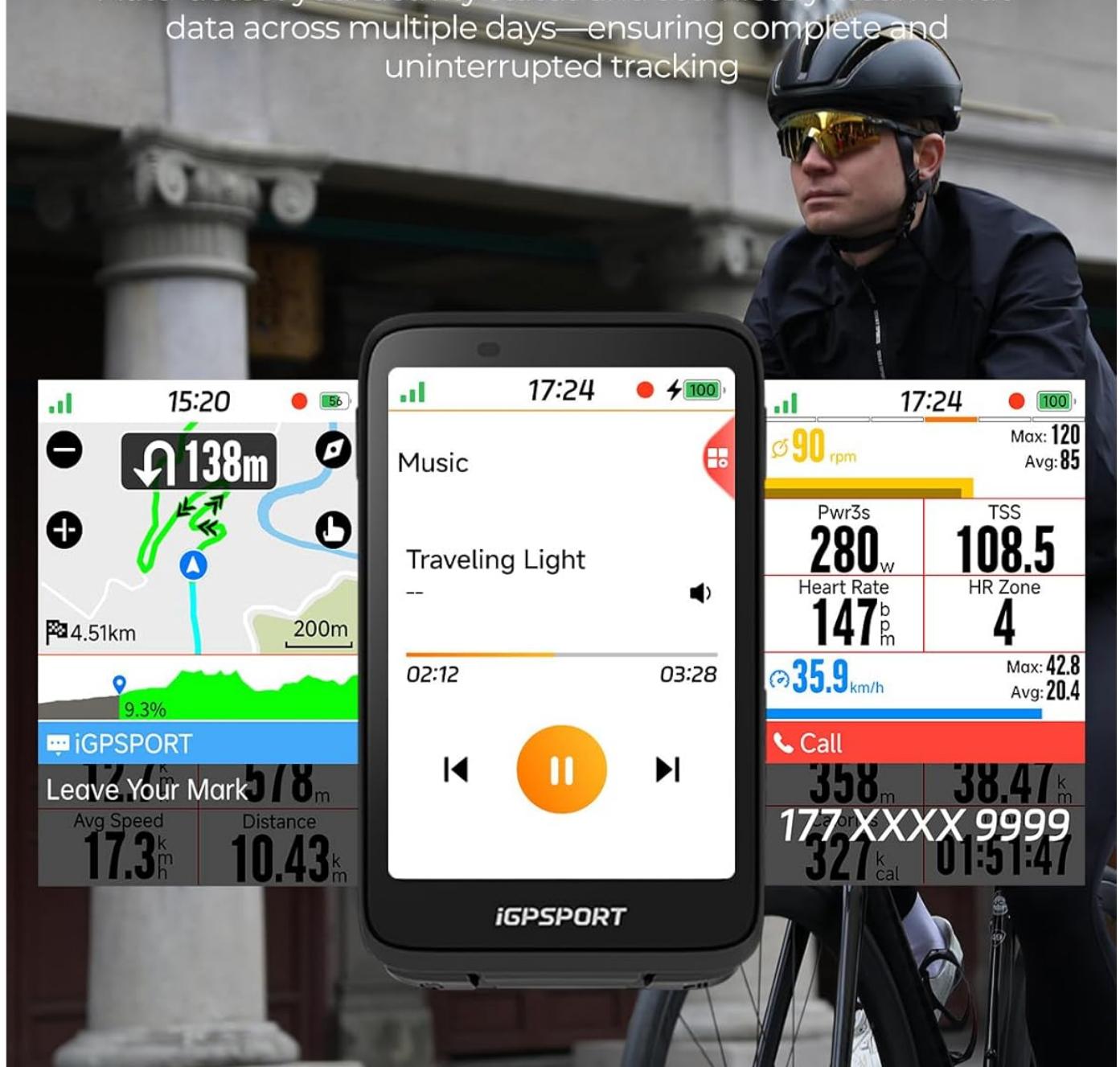
Figure 7: Control your music directly from the BiNavi, keeping your focus on the road.
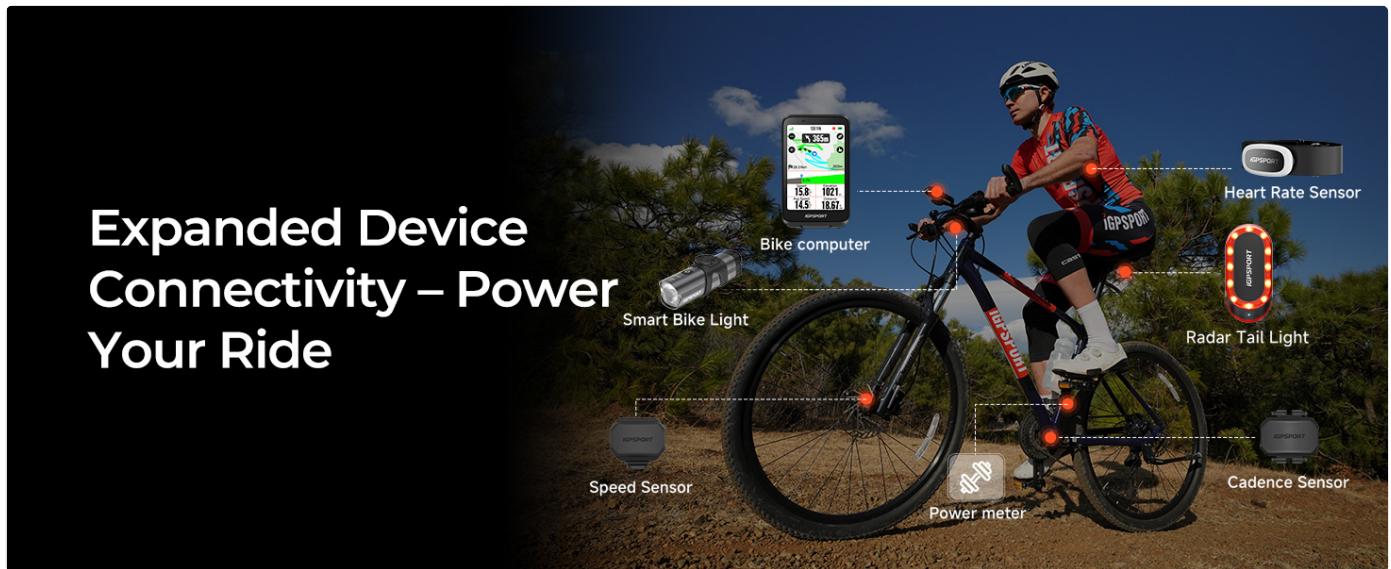
Figure 8: The BiNavi connects to a wide range of sensors and smart accessories to power your ride.

Data Management

- **Seamless Data Sync:** Upload your ride data effortlessly to the iGPSPORT platform and other popular cycling apps like Strava, TrainingPeaks, and Komoot.
- **Data Transfer:** Easily transfer settings and data from an old device to your new BiNavi using cloud syncing via the iGPSPORT APP.
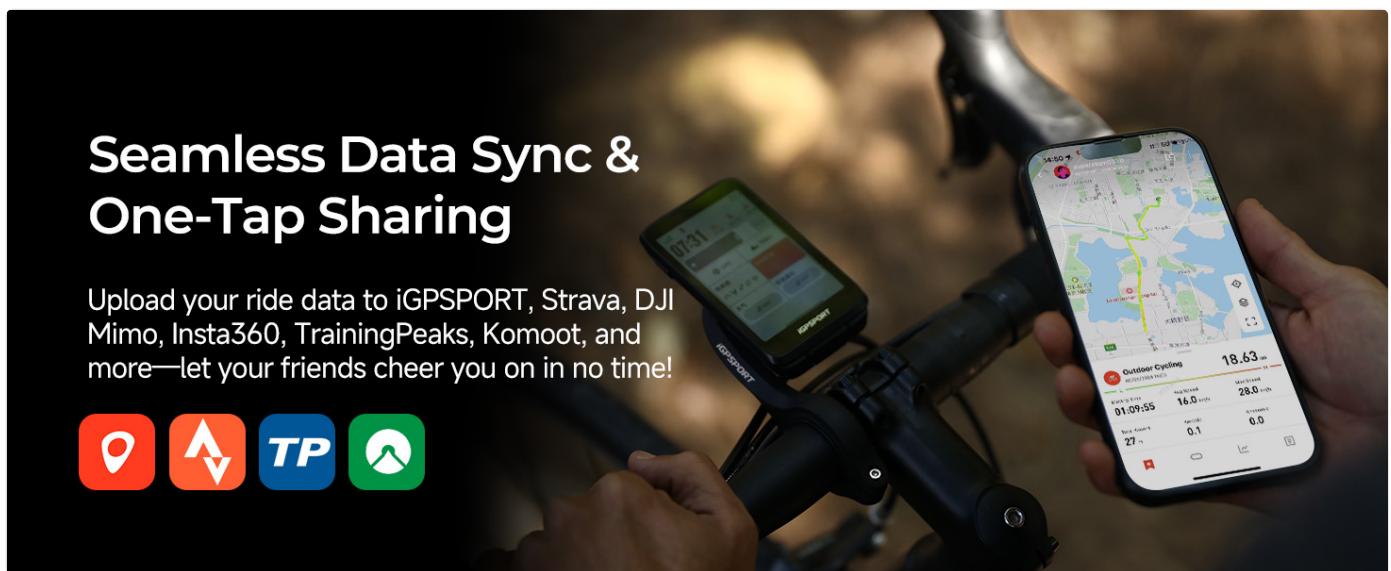

Figure 9: Seamless data synchronization allows you to share your rides and analyze performance with ease.

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Video 1: Official iGPSPORT iGS800 Bike Computer - Born to Navigate. This video showcases the navigation capabilities and overall user experience of the iGPSPORT bike computer, highlighting its role as a reliable cycling companion.

Maintenance

To ensure the longevity and optimal performance of your iGPSPORT BiNavi Bike Computer, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the device with a soft, damp cloth to remove dirt and sweat. Avoid using harsh chemicals or abrasive materials. The device has an IPX7 rating, meaning it is water-resistant, but it should not be submerged.
- **Software Updates:** Periodically check for firmware updates via the iGPSPORT APP. Updates often include performance improvements, bug fixes, and new features.

- **Battery Care:** For best battery health, avoid fully discharging the battery frequently. If storing the device for an extended period, charge it to about 50% before storage.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your BiNavi Bike Computer, refer to the following common troubleshooting steps:

- **Device Not Powering On:** Ensure the device is fully charged. If not, connect it to a power source and allow it to charge for at least 15 minutes before attempting to power on again.
- **GPS Signal Issues:** Ensure you are in an open area with a clear view of the sky. Avoid areas with tall buildings or dense tree cover. Allow a few minutes for the device to acquire satellite signals.
- **Bluetooth/ANT+ Connectivity Problems:** Ensure the sensor or smartphone is within range and has sufficient battery. Try unpairing and re-pairing the device/sensor. Restart both the BiNavi and the connected device.
- **Navigation Inaccuracies or**

Related Documents - Bike Computer

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User Manual BiNavi Comprehensive Bike Navigator www.igpsport.com WUHAN QIWU TECHNOLOGY CO.,LTD	**BiNavi Comprehensive Bike Navigator User Manual** **User manual for the BiNavi Comprehensive Bike Navigator, covering product introduction, setup, riding modes, navigation, training, and settings.**
USER MANUAL iGS630 GPS BIKE COMPUTER www.igpsport.com WUHAN QIWU TECHNOLOGY CO.,LTD.	**iGS630 GPS Bike Computer User Manual** **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.**

[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.

[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.

[iGPSPORT iGS630S GPS Bike Computer User Manual](#)

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.