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IGPSPORT iGS50E

iGPSPORT iGS50E GPS Cycling Computer User Manual

Model: iGS50E

Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your iGPSPORT iGS50E GPS Cycling Computer. The iGS50E is designed to track various cycling data points, including speed, distance, altitude, and more, with high accuracy using GPS technology and ANT+ sensor compatibility.

Safety Information

- Always ensure the device is securely mounted before riding.
- Do not attempt to disassemble or modify the device.
- Keep the device away from extreme temperatures and direct sunlight for prolonged periods.
- If the device gets wet, especially after use in rain, ensure to dry it immediately to prevent damage to the USB port.

Package Contents

Please verify that all items are present in your package:

- iGS50E GPS Cycling Computer x 1
- Micro USB cable x 1
- Standard bike mount x 1
- User manual (Quick Guide) x 1

Product Overview

The iGS50E features a clear display and intuitive button layout for easy operation during your rides.



Figure 1: Front view of the iGS50E GPS Cycling Computer, showing its display and three control buttons at the bottom.



Figure 2: The iGS50E mounted centrally on a bicycle handlebar, providing an optimal viewing angle for the rider.

Physical Features:

- **Display:** 36 x 49 mm, high brightness, high contrast, anti-glare screen for clear visibility in various lighting conditions.
- **Buttons:** Three physical buttons located at the bottom for navigation and control.
- **USB Port:** Micro USB port for charging and data transfer.

Setup

1. Charging the Device

Before first use, fully charge your iGS50E using the provided Micro USB cable. Connect the cable to the device's USB port and a standard USB power adapter (not included) or a computer USB port. The battery indicator on the screen will show charging status.

2. Mounting the Device

Use the standard bike mount to securely attach the iGS50E to your bicycle's handlebar or stem. Ensure the mount is tightened properly to prevent movement during your ride.

3. Initial Power On and Settings

Press and hold the power button (leftmost button) to turn on the device. Upon first power on, you may be prompted to set basic parameters such as units (metric/imperial) and time zone. Refer to the "Operating" section for detailed button functions.

4. Connecting to Sensors (ANT+)

The iGS50E supports ANT+ sensors for additional data. To connect, ensure your ANT+ heart rate monitor, speed sensor,

or cadence sensor is active and within range. Navigate to the device's sensor pairing menu (refer to the "Operating" section for menu navigation) and initiate the search for new sensors. Once detected, select and confirm the pairing.

5. Connecting to the iGPSPORT APP (Bluetooth)

The iGS50E connects to the iGPSPORT APP via Bluetooth 4.0 for data synchronization and detailed ride analysis. Note that the device does not connect directly to your smartphone via Bluetooth for real-time data display, but rather for app communication.

- **For Android:** Search for "iGPSPORT" in the Google Play Store.
- **For iPhone:** Search for "iGPSPORT" in the Apple App Store.

Install the app and follow the in-app instructions to pair your iGS50E. This typically involves enabling Bluetooth on your smartphone and selecting the device within the app.

Operating

Basic Button Functions:

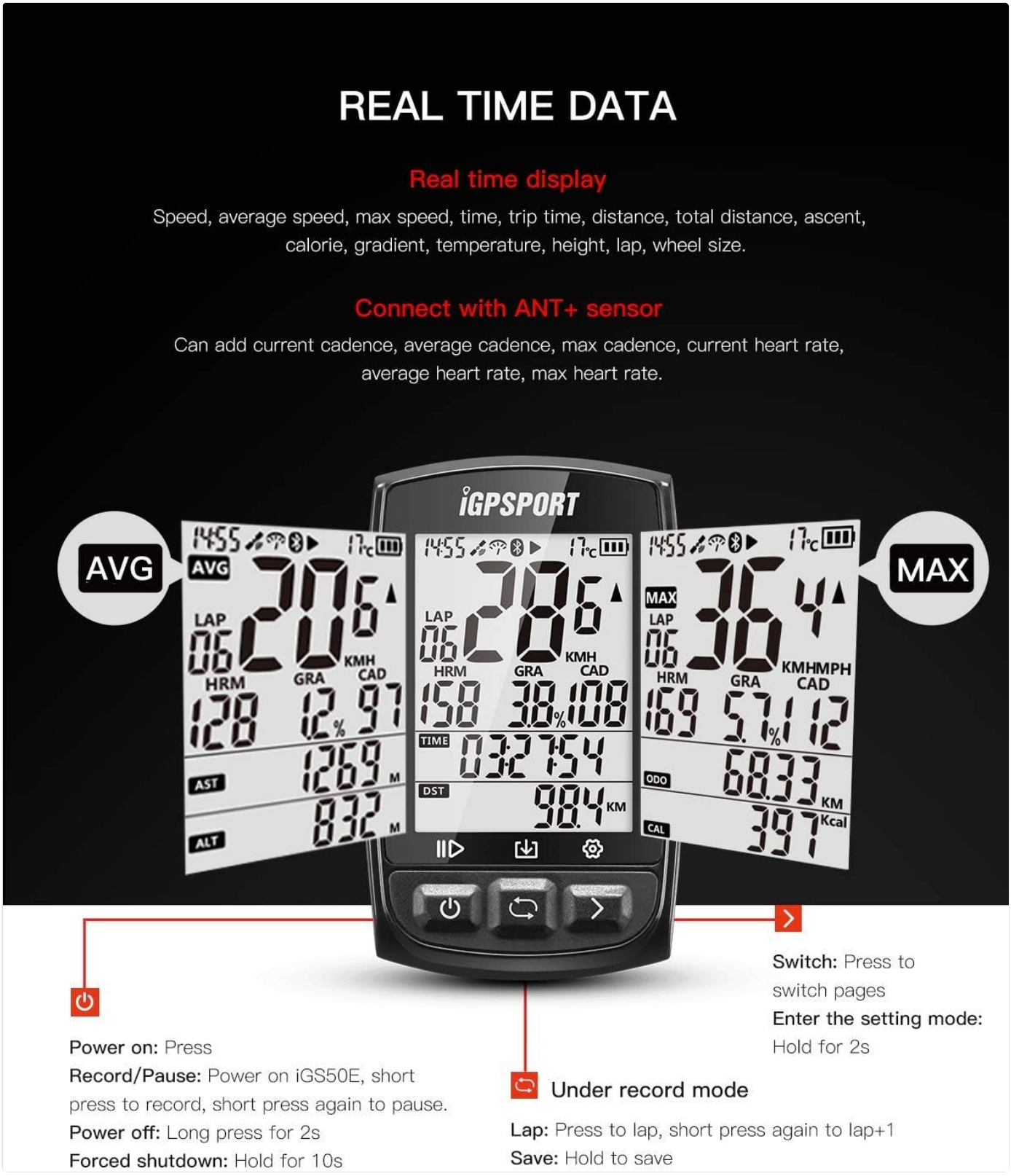

Figure 3: Overview of iGS50E button functions and real-time data display.

- **Left Button (Power/Record/Pause):**
  - Short press: Power on.
  - Short press during ride: Record/Pause.
  - Long press for 2 seconds: Power off.
  - Long press for 10 seconds: Forced shutdown.
- **Middle Button (Lap/Save):**
  - Short press: Mark a lap (under record mode).

    - Long press for 2 seconds: Save current ride data (under record mode).
- **Right Button (Switch Pages/Settings):**
    - Short press: Switch between different data display pages.
    - Long press for 2 seconds: Enter the setting mode.

Real-time Data Display:

The iGS50E provides comprehensive real-time data on its display. The 13 primary data points include:

- Speed (SPD)
- Average Speed (AV SPD)
- Maximum Speed (MX SPD)
- Driving Time (TRIP TIME)
- Distance Traveled (DST)
- Total Distance (ODO)
- Altitude (ALT)
- Slope (GRA)
- Temperature (TEM)
- Current Time (TIME)
- Date (DATE)
- Calories (CAL)
- Lap (LAP)

When connected to ANT+ sensors, the display can also show 6 additional data points:

- Current Cadence
- Average Cadence
- Maximum Cadence
- Current Heart Rate
- Average Heart Rate
- Maximum Heart Rate

Motion Detection and Power Saving:

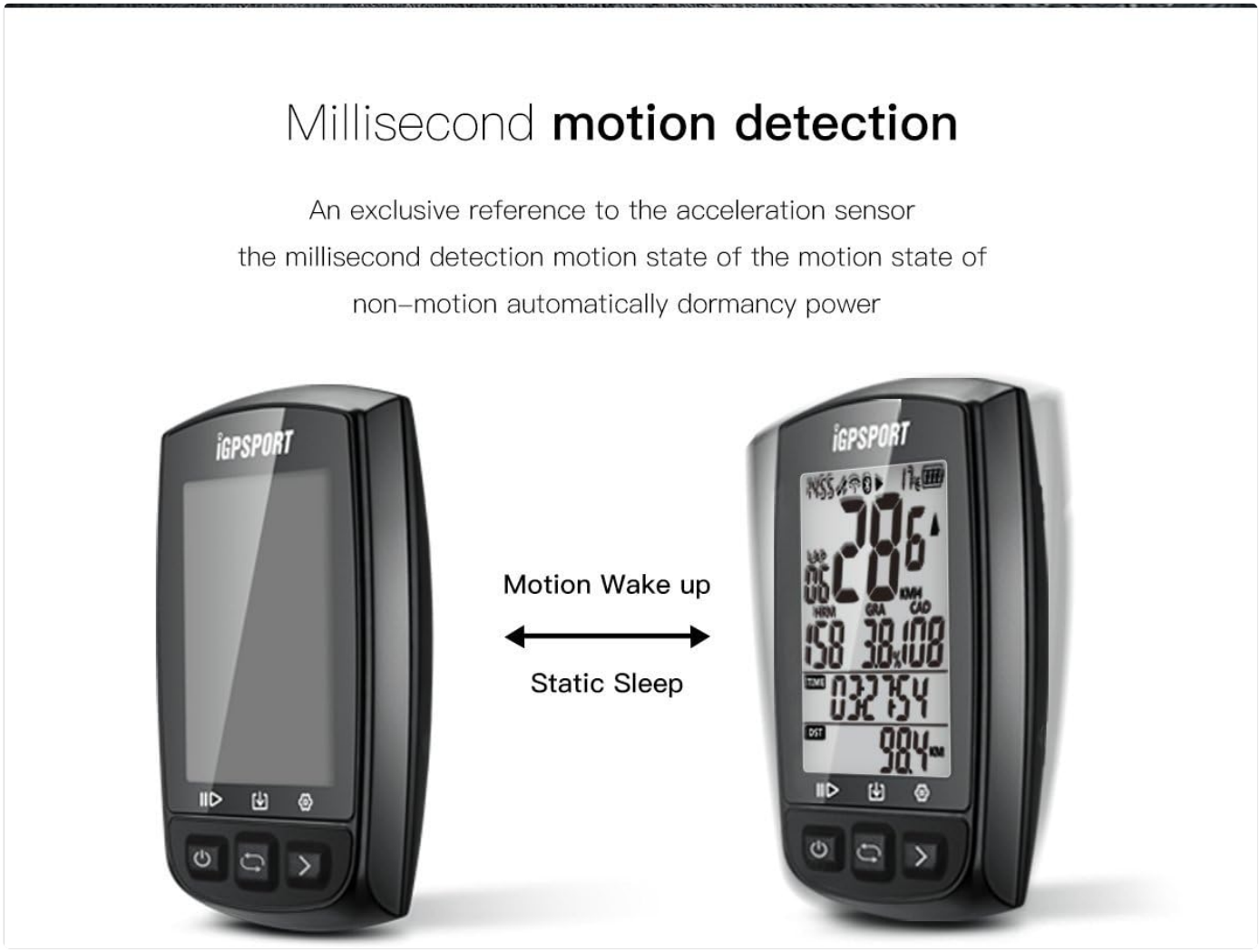

Figure 4: The iGS50E's intelligent motion detection for power management.

The iGS50E features a millisecond motion detection sensor. When the device detects no motion for a period, it automatically enters a "Static Sleep" (dormancy) state to conserve power. It will "Motion Wake up" and resume operation when movement is detected again.

Waterproofing (IPX7):



Figure 5: The iGS50E is IPX7 waterproof, suitable for use in rainy conditions.

The device 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 rainy conditions. However, if the USB plug is exposed to water, it is crucial to dry the device thoroughly, especially around the USB port, immediately after use to prevent damage.

Screen Visibility:



Figure 6: The 2.2-inch anti-glare screen ensures data is visible even in direct sunlight.

The iGS50E features a 2.2-inch outdoor anti-glare special screen. This design ensures high visibility of data, even in bright sunlight, enhancing readability during your rides.

Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Charging:** Recharge the device when the battery indicator is low. Use only the provided Micro USB cable.
- **Storage:** Store the device in a cool, dry place when not in use. Avoid prolonged exposure to direct sunlight or extreme temperatures.
- **Water Exposure:** Although IPX7 waterproof, always dry the device thoroughly, especially around the USB port, immediately after use in wet conditions.

Troubleshooting

- **Device not powering on:**
  Ensure the device is fully charged. If it still doesn't power on, try a forced shutdown (long press power button for 10 seconds) and then attempt to power on again.
- **GPS signal acquisition slow or inaccurate:**
  Ensure you are in an open area with a clear view of the sky. Tall buildings, dense forests, or indoor environments can interfere with GPS signal. Allow a few minutes for the device to acquire satellites.
- **ANT+ sensor not connecting:**
  Check if the sensor's battery is charged and it is active. Ensure the sensor is within close proximity to the iGS50E. Re-initiate the sensor search from the device's settings menu.
- **Cannot connect to iGPSPORT APP:**
  Ensure Bluetooth is enabled on your smartphone. Make sure the iGPSPORT APP is installed and updated. Sometimes, unpairing and re-pairing the device within the app can resolve connection issues. Remember, the device connects to the APP via Bluetooth, not for direct real-time data display on the phone.
- **Display issues (e.g., frozen screen):**
  Perform a forced shutdown by holding the power button for 10 seconds, then restart the device.

Specifications

Feature	Description
Physical Size	86 x 54 x 18 mm
Screen	36 x 49 mm, high brightness, high contrast, anti-glare LCD
Waterproof Rating	IPX7
Memory	Approximately 200 hours of driving data
Wireless Transmission	Bluetooth 4.0 (for APP connection), ANT+ (for sensors)
Battery Life	Up to 40 hours (1200mAH capacity)
GPS Sensitivity	High sensitivity for precise positioning
Display Type	LCD
Weight	80 Grams

Warranty and Support

Your iGPSPORT iGS50E GPS Cycling Computer comes with a**2-year warranty** and lifetime support from iGPSPORT. For detailed user manuals, technical assistance, or warranty claims, please contact the seller or visit the official iGPSPORT website. You may also find additional resources by scanning the QR code on the product packaging (if available).

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