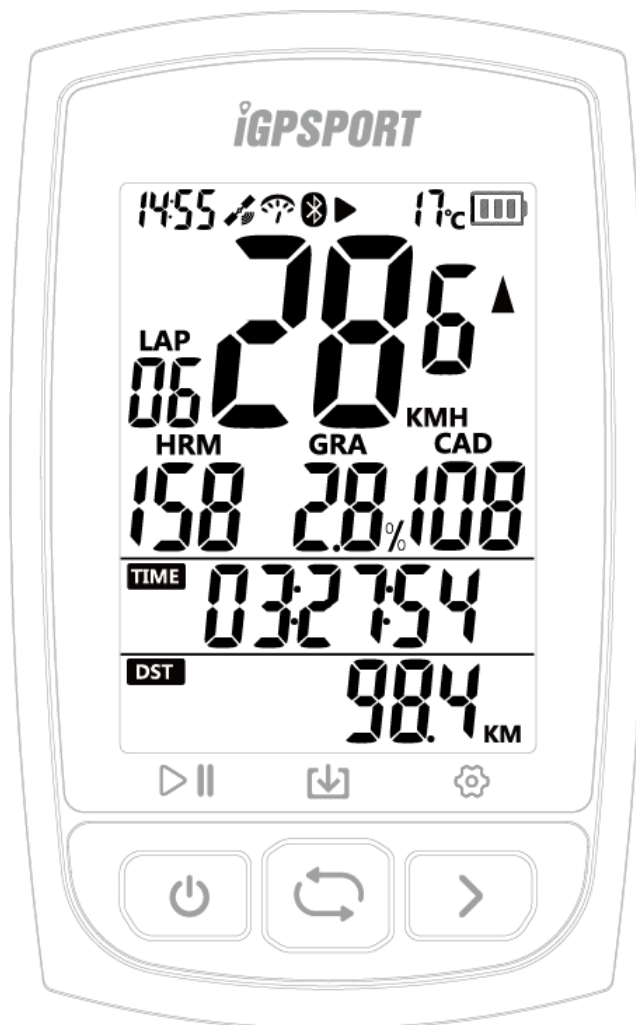# USER MANUAL

iGS50E GPS CYCLING COMPUTER

www.igpsport.com

WUHAN QIWU TECHNOLOGY CO., LTD

1. STANDARD PACKAGE INCLUDES

iGS50E x1

Micro USB Cable x1

Standard Bike Mount x2

Bike Mount Pad x2

O-Ring Band x4

User Manual x1

2. BUTTONS

Display in Imperial unit   **Display in Metric unit**

⏻	**Power on:** Select ⏻ **Record/Pause:** Select ⏻ to Record/Pause **Power off:** Hold ⏻ more than 2 seconds **Forced shutdown** : Hold ⏻ more than 10 seconds
⟲	**Lap:** select ⟲ to mark a new lap when recording **Save data:** Hold ⟲ more than 2 seconds to save riding data
❯	**Switch display:** Select ❯ to switch data pages **Enter the setting mode:** Hold ❯ more than 2 seconds to enter the setting mode

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3. STATUS ICONS

▥	Full battery
▨	Mid-capacity battery
▢	Low battery
▭	Out of battery and will shut off automatically soon
▶	Recording
‖	Pause
⊘	No satellite signals
🛰	Normal satellite signals
🛰	Strong satellite signals
🅑	Bluetooth
⌖	Speed sensor

4. INSTALLATION OF BIKE MOUNT

1. Standard bike mount installation

2. Out front bike mount installation (Optional accessory)

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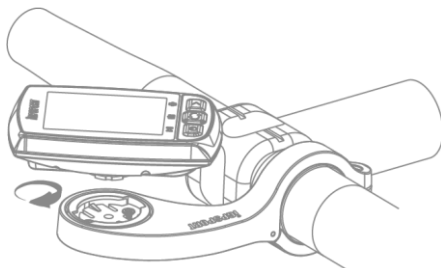
5. ACQUIRING SATELLITE SIGNALS AND TIME SETTING

Please make sure iGS50E is outdoor and under a clear view of the sky.

Usually it may take 5 to 120 seconds to locate satellite signals.

Remain stationary when acquiring satellite signals.

The time and date will be calibrated automatically after locate satellite signals.

6. SMART BACKLIGHT

iGS50E will automatically calculate the sunrise and sunset time based on the GPS position.

Backlight turns on before sunset and turns off after sunrise automatically.

When backlight is off, select any button to turn on backlight for 15 seconds.

7. BATTERY

Warning: Keep iGS50E far away from the fire.

Battery type	Rechargeable, built-in lithium-ion battery
Battery life	About 40 hours, typical usage
Operating temperature range	From -10° to 50ºC (14° to 122°F)
Charging temperature range	From 0° to 45ºC (32° to 113°F)
Input	DC5V, 500mA
Charging time	2.5 Hours

Note：

1) Please use DC 5V power adapter for charging.

2) As the temperature drops, the battery life will decrease.

3) iGS50E support charging during use.

4) Do not overstretch the USB plug for keeping waterproof and dustproof.

8. MOTION DETECTION AND AUTO STANDBY

iGS50E will enter standby mode automatically after 5~10 minutes of inactivity.

Once motion detected, iGS50E will be woken up automatically.

9. SEARCHING AND CONNECTING ANT+ SENSORS (SETTING MODE E1)

iGS50E can be used with ANT+ sensor as below: Hear Rate Monitor, Cadence Sensor, Speed Sensor, Cadence and Speed Combined Sensor.

Please search the ANT+ sensors When first time using ANT+ sensors.

Steps：

1) Wake up ANT+ sensors.
   Heart rate monitor should be worn directly on skin just around the chest.
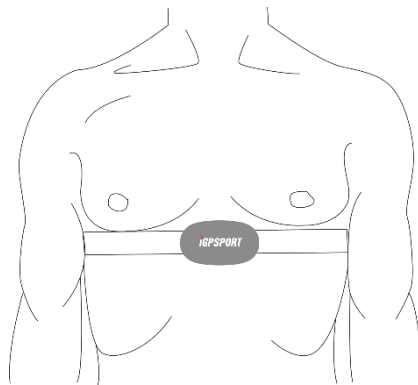
Cadence sensor should be installed on the crank arm of no-drive side, then rotate the crank arm.
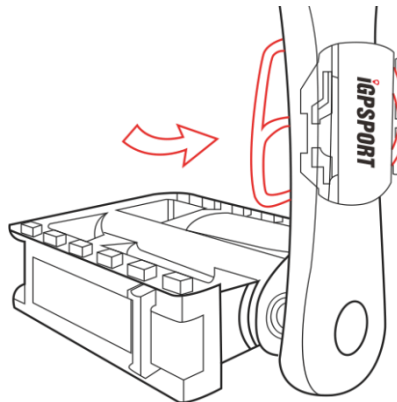
Speed sensor should be installed on the top of front wheel hub, then rotate the front wheel.

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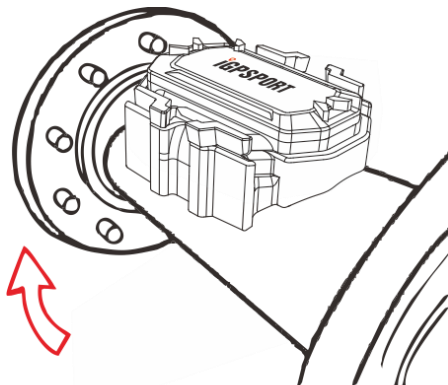
2) Hold ❯ more than 2 seconds to enter the setting mode.

3) Select ❯ to scroll setting mode from E1 to E4.

4) Select ⏻ to enter E1 mode when E1 is flashing.
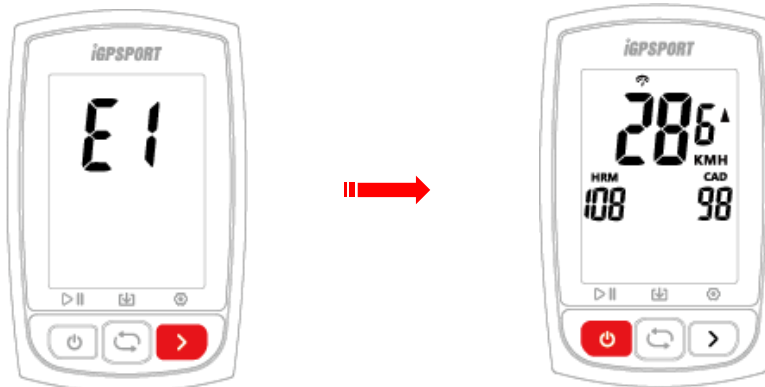
5) iGS50E is searching ANT+ sensors automatically.

6) When sensors are connected, the icons will light up.

7) iGS50E will exit searching sensors mode in 20 seconds.

Note：

1) iGS50E will automatically connect the sensors that have been connected.

2) It is required to search the sensor again after battery is replaced.

10. SETTING THE WHEEL SIZE & CIRCUMFERENCE (SETTING MODE E2)

Please set the wheel circumference if you use a speed sensor.
Default wheel circumference: 2096mm

Steps:

1) Hold ❯ more than 2 seconds to enter the setting mode.

2) Select ❯ to scroll setting mode from E1 to E4.

3) Select ⏻ to enter E2 mode when E2 is flashing.

4) Select ⟳ to change numerical digits, select ❯ to change numerical value.

5) Select ⏻ to save and exit.

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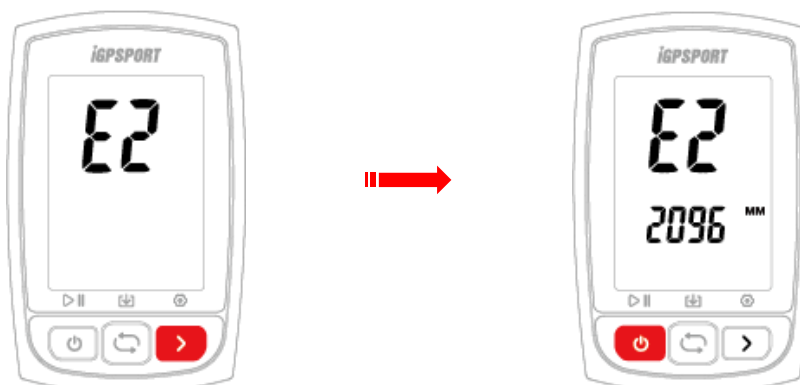
Note:

1) The unit of wheel circumference is mm.

2) The setting will be automatically saved if no operation in 10 seconds.

Common wheel size and circumference:

Wheel Size	L (mm)	Wheel Size	L (mm)
12 × 1.75	935	26 × 1.75	2023
14 × 1.5	1020	26 × 1.95	2050
14 × 1.75	1055	26 × 2.00	2055
16 × 1.5	1185	26 × 2.10	2068
16 × 1.75	1195	26 × 2.125	2070
18 × 1.5	1340	26 × 2.35	2083
18 × 1.75	1350	26 × 3.00	2170
20 × 1.75	1515	27 × 1	2145
20 × 1-3/8	1615	27 × 1-1/8	2155
22 × 1-3/8	1770	27 × 1-1/4	2161
22 × 1-1/2	1785	27 × 1-3/8	2169
24 × 1	1753	650 × 35A	2090
24×3/4 Tubular	1785	650 × 38A	2125
24 × 1-1/8	1795	650 × 38B	2105
24 × 1-1/4	1905	700 × 18C	2070
24 × 1.75	1890	700 × 19C	2080
24 × 2.00	1925	700 × 20C	2086
24 × 2.125	1965	700 × 23C	2096
26 × 7/8	1920	700 × 25C	2105
26 × 1(59)	1913	700 × 28C	2136
26 × 1(65)	1952	700 × 30C	2170
26 × 1.25	1953	700 × 32C	2155
26 × 1-1/8	1970	700C Tubular	2130
26 × 1-3/8	2068	700 × 35C	2168
26 × 1-1/2	2100	700 × 38C	2180
26 × 1.40	2005	700 × 40C	2200
26 × 1.50	2010		

11. SETTING TIME ZONE (SETTING MODE E3)

Default time zone:UTC/GMT+08:00   Time zone: -12:00～13:00

Steps:

1) Hold ❯ more than 2 seconds to enter the setting mode.

2) Select ❯ to scroll setting mode from E1 to E4.

3) Select ⏻ to enter E3 mode when E3 is flashing.

4) Select ⇄ to change digits of hour and minute, select ❯ to change value.

5) Select ⏻ to save and exit.
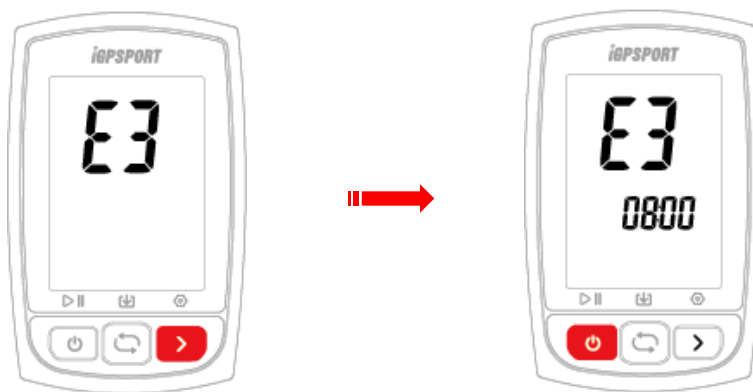
Note:

The setting will be automatically saved if no operation in 10 seconds.

12. SETTING METRIC AND IMPERIAL UNITS (SETTING MODE E4)

Default unit: metric (kilometer)

Steps:

1) Hold ❯ more than 2 seconds to enter the setting mode.

2) Select ❯ to scroll setting mode from E1 to E4.

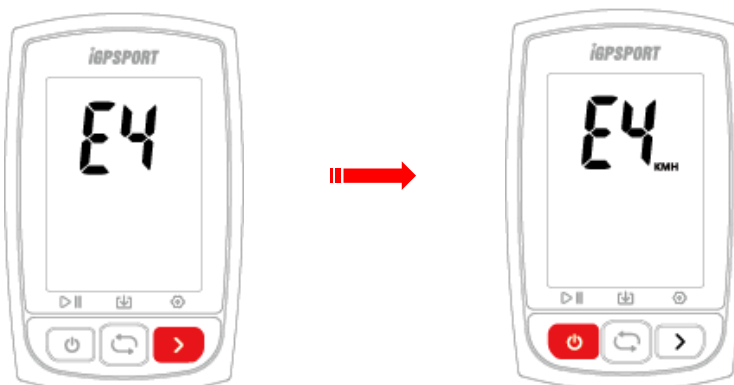3) Select ⏻ to enter E4 mode when E4 is flashing.

4) Select ⇄ to switch metric (kilometer) and imperial (mile) unit.

5) Select ⏻ to save and exit.

Note:

The setting will be automatically saved if no operation in 10 seconds.

13. CONNECTING TO SMART PHONE APP

Android Smart Phone

Requirements: Android 5.0 or above, built-in Bluetooth 4.0 BLE.

Download "iGPSPORT" App in Google Play App Store.

iPhone:

Requirements: iPhone 5s and iOS 9.0 or above (incompatible with iPad).

Download"iGPSPORT"APP in Apple App Store.

14. UPLOAD FILES TO COMPUTER AND WEBSITE

Steps:

1) Power off iGS50E.

2) Connect iGS50E to your computer via USB cable.

3) Select ⏻ to enter connection mode, then battery icon lights up.

4) Computer will recognize iGS50E as a new disk, then copy the activity files in folder as

below :\iGPSPORT\Activities***.fit to computer.

5) Login http://i.igpsport.com, select fit format files to upload.

Note:

1. iGS50E can store about 200 hours' riding files, when memory is not enough, it will delete

the earliest file automatically. Please upload, backup and delete the files regularly.

2. The files can be upload to www.strava.com or other website which support fit format files.

15. FACTORY RESET

Steps:

1) Power off iGS50E.

2) Connect iGS50E to power adaptor by USB cable.

3) Hold left and right button at the same time more than 5 seconds until "**FA**" display on

the screen.

4) Disconnect iGS50E to power adaptor.

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Note:

Factory reset will clear out all data, please backup activity files before factory reset.

16. SPECIFICATIONS

GPS	High sensitive GPS
Screen	3.6X4.9 cm,High brightness, High contrast, Anti-glare screen
Temperature	-10° ~50°C (14º to 122ºF)
Weight	About 80g
Physical dimension	85.8x53.5x17.85mm
Waterproof	IPX7
Memory	About 200 hours data(Depend on the memory usage)
Data display	**13 items of data:** Speed, Average Speed, Max Speed, Time, Trip Time, Distance, Odometer, Ascent, Altitude, Calorie,Gradient, Temperature, Lap **Add 6 items of data when sensors connected :** Cadence, Average Cadence, Max Cadence, Heart Rate, Average Heart Rate, Max Heart Rate
ANT+	**Support ANT+** :Heart Rate Monitor, Speed Sensor, Cadence Sensor, Cadence and Speed Combined Sensor **Note:** do not support Power Meter
Interface	Micro USB
Wireless transmission	Bluetooth 4.0 support connecting to smart phone App, do not support connecting to Bluetooth sensors
Package include	iGS50E X1, Micro USB Cable X1, Standard Bike Mount X2, Bike Mount Pad X2, O-Ring Band X4, User Manualx1
Optional accessories	Out Front Bike Mount, Heart Rate Monitor, Speed Sensor, Cadence Sensor, Cadence and Speed Combined Sensor

17. ABBREVIATION

AVG	Average
CAL	Calories
TEM	Temperature

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MAX	Maximum
ODO	Odometer (Total distance)
ALT	Altitude
DST	Distance
GRA	Gradient
AST	(Total) Ascent

18. CONTACT US

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