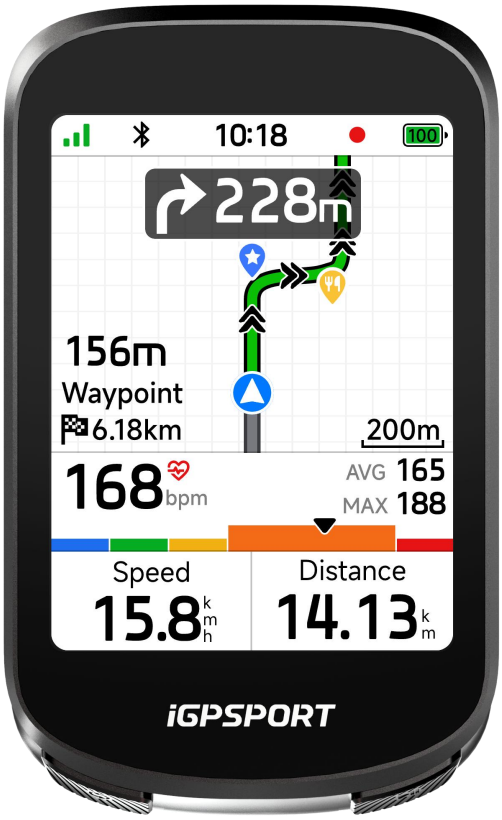
User Manual

BSC200 Pro Smart Bike Computer

www.igpsport.com



WUHAN QIWU TECHNOLOGY CO.,LTD

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PRODUCT INTRODUCTION

BUTTONS



①	Power Button	Short press to power on / turn off the screen. Long press to power off.
②	Lap Button	Mark a Lap
③	Ride Button	Short press to start / pause recording. Long press to save.

ICON DESCRIPTIONS

GPS Signal	Battery	Bluetooth	Data Transmission	Menu

Start Recording	Stop Recording	Home	End Recording	Power Meter
				
Heart Rate Monitor	Cadence Sensor	Speed Sensor	Speed and Cadence Sensor	Light
				
VeRun Watch	Radar	Trainer		

CHARGING

The device is powered by a built-in lithium-ion battery that you can charge using a power adapter or a USB port on your computer. (Please use compatible USB-C charging cable.)

Note:

1) Please use DC 5V standard power adapter. The fast charge adapter is not recommended because it may damage the battery.
2) When the battery level is low, a low battery icon will be displayed in the upper right corner of the device's home page, indicating low battery level and recommending to charge the device.
3) Do not overstretch the USB weather cap to keep its waterproof and dust-proof performance.

PAIRING

Pairing smartphone helps you use the bike computer more conveniently. You can experience richer features on the iGPSPORT app.

FIRST PAIRING

1. Open the iGPSPORT app in your smartphone and login with your iGPSPORT account
2. Place the bike computer nearby your smartphone and enter the home page or device page in the app. Click "Add Device", select "Cycling Products" and then your smartphone will automatically search for BSC200 Pro. Select it and click "Connect" , and the pairing will start.
3. When the Bluetooth pairing code displays on both your phone and the bike computer, confirm it on both devices to pair them.
4. After the pairing, the bike computer will be displayed in the device list.
5. Then the prompt of device settings on your smartphone will show up in the iGPSPORT app. Finish your settings and click "Save and Sync", and then the settings will be synced to the device.
6. After successful pairing, the device and the smartphone will be automatically connected via Bluetooth; if it fails, you can try to restart the smartphone Bluetooth, the iGPSPORT app or the bike computer for pairing again.

REMOVE PAIRING

If you want to pair your bike computer with another smartphone, please remove the current pairing first:

1. Go to "More" > "Pair Phone" to view the paired device.
2. Tap "Unpair Phone" and confirm.
3. When the deletion is completed, the bike computer will restart automatically and Bluetooth Disconnected icon will be displayed on the device.

Note:

1) Please pair the device based on the instructions in the iGPSPORT app, rather than using the Bluetooth settings on your smartphone.
2) Ensure that your smartphone is connected to the internet and that Bluetooth is enabled.
3) Download the iGPSPORT app from the App Store or Google Play.
4) For Android users, make sure to enable location permissions for the iGPSPORT app in your phone's app settings.
5) Do not pair and unpair the device frequently.

FIRMWARE UPDATE

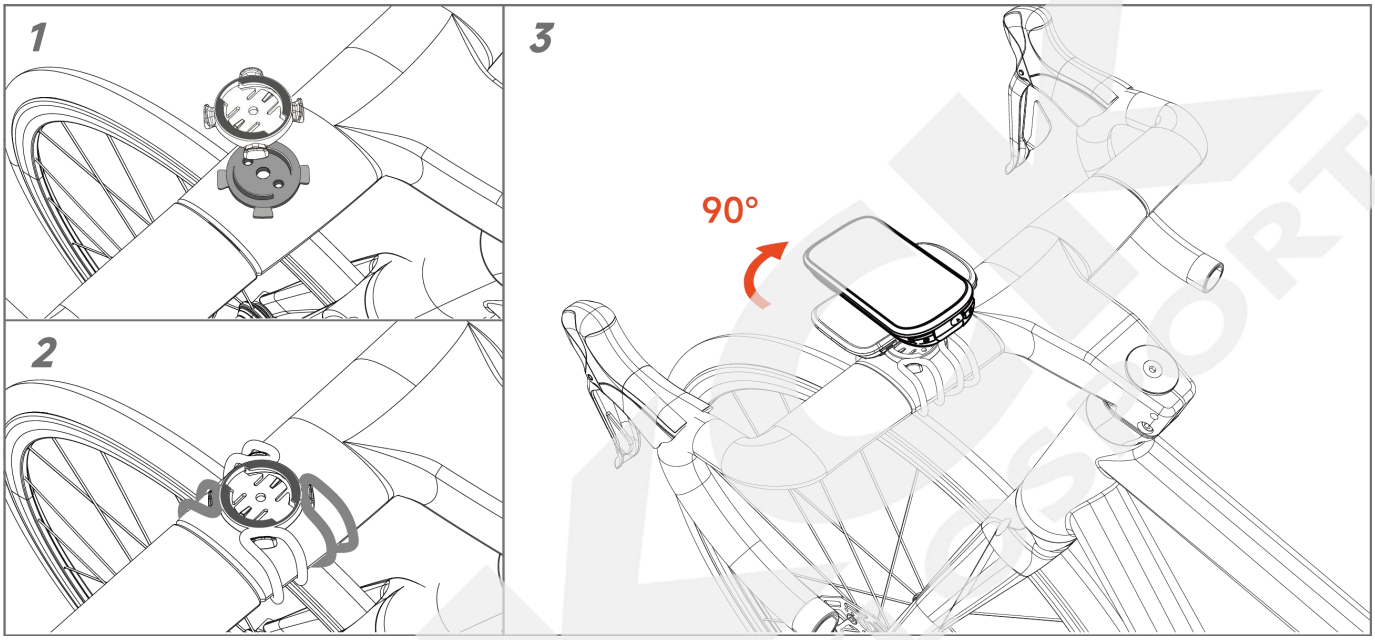
To keep the device's best performance, please update its firmware timely when a new version is available.

1. The device will automatically check for firmware updates when connected to Bluetooth.
2. You can manually check for updates by going to the iGPSPORT app > "Device" > "Firmware Update".

3. Depending on the strength of the Bluetooth signal, it may take up to 20 minutes. Please be patient during the process.

INSTALLATION OF STANDARD BIKE MOUNT

1. Place the rubber pad and the bike computer mount on the handlebar.
2. Attach the mount securely by crossing the rubber bands.
3. Align the tabs of the bike computer with the mount and rotate it 90° to lock it in place.



Note: It is recommended to use iGPSPORT Standard Bike Mount or Out-Front Mount to avoid damaging the tab of the bike computer.

GOING FOR A RIDE

PRE-RIDING

To ensure the accurate riding data, the bike computer needs to be outdoors in an open space to receive the satellite signal before riding. Please go outdoors in an open space with the screen up and wait to receive the satellite signal.

If the sensor has been connected to the device before, it will automatically connect to the device once waken up. During your riding, the device will automatically measure your heart rate, cadence and power and other data by using your sensors.

USING TOUCH SCREEN

1. Select the ride mode on the homepage and tap START to enter the data page.
2. Slide left and right to switch the riding data page.
3. Swipe down from the top to show the status page.

4. Tap anywhere on the screen in the riding data page to wake up the riding status bar, check the status of the sensor at any time, or conduct quick operations.
5. Select to back to home page.
6. Select to enter riding page.
7. Select to record riding.
8. During riding, select to stop recording.
9. During riding recording, select to end riding and save this activity.

USING BUTTONS

1. Select the ride mode on the homepage and press to enter the date page.
2. Short press to start recording.
3. Short press to pause during ride.
4. Short press to mark a new lap.
5. Long press to save data.
6. Press to turn off the display; the device will continue to record in the background.

WHILE-RIDING

Scan Data View

During the training, you can switch the riding view from left to right. Please note, the displayable riding data view and information depend on the selected ride mode and your modification to the selected mode.

You can set up specific pages for different ride modes in the iGPSPORT app. You can create custom data fields for each activity mode and select the data you want to see during the riding.

Riding Menu

During the riding, you can select to open the menu and you can access the functions such as route navigation, workouts and more from it.

Mark a Lap

Pressing can manually lap. You can enable the Auto Lap function in Ride Mode Settings. You can also choose **More > Ride Mode > Auto Features> Auto Lap** and set lap by distance, position or time in the app. If by distance, you should set the distance for each lap. After riding this distance, it will be automatically counted as one lap. If by position, the starting point of recording is taken as the mark point, and it will be automatically counted as one lap when you reach it again. You can long press the lap button to change the mark point. If by time, it records

the time according to the specified time period. It will be automatically counted as one lap when it reach that period again.

POST-RIDING

Activity Summary

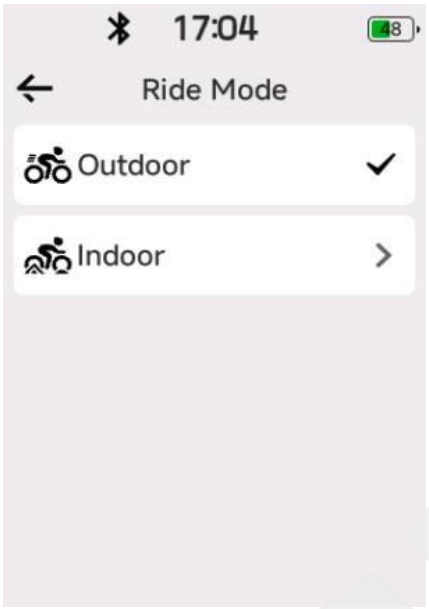
After finishing the activity, you can immediately get the activity details on the device. More detailed data and graph analysis can be obtained in the iGPSPORT app or its official website.
The summary depends on the data collected during the activity.
On the home page, you can select **History** to view the recent activities. You can view the historical activities and their summary saved on the bike computer.

View Riding Data in the iGPSPORT App

If your smartphone is within the Bluetooth range when the riding finished, the device will automatically be connected to and sync with the iGPSPORT app (the auto sync function needs to be enabled in the app). In the app, you can quickly view the analyzed data after ending each recording. With iGPSPORT app, you can quickly view the detailed data of each riding, and you can also share your riding with your friends through iGPSPORT app.
You can analyze every detail in the activity record using the iGPSPORT website to learn your performance better and track progress towards your monthly training target, and you can share your personal best record with others.
For more details, please see the iGPSPORT app.

RIDE MODE

Ride Mode refers to the activity profiles you can select on your bike computer. It supports 2 different ride modes.
You can make some specific settings for each ride mode. For example, you can set custom data page template for each ride mode and select the data you want to view during riding and the options that meet your training needs and requirements best.



Select **Ride Mode** from More and choose a mode to view its options.

ENABLING MODES

Select **Enable** on the Ride Mode Settings page and flip the switch to enable this mode.

PAGE SETTINGS

Select **Pages** to enter the page list. The system has 5 built-in data pages and several specific pages such as maps and elevation tables.

1. Select a page to enter the page setting menu.
2. Select **Enable** to show/hide this page.
3. It supports auto return to home page. Select **Home Page** in the page setting of the selected page to set it as the home page. When riding, if the auto return is enabled, it will automatically return to home page after viewing other pages.

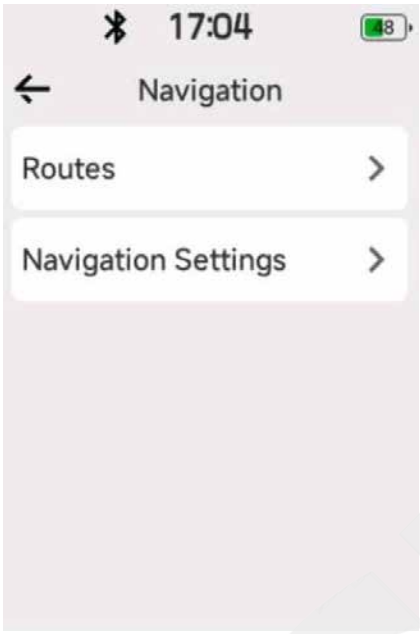
AUTO FUNCTIONS

1. Select **Auto Functions** to view its options.
2. Select an auto function and choose to turn it on/off.

NAVIGATION

You can plan your route in the iGPSPORT app and send it to the device. The files in GPX or TCX format can be directly imported into the iGPSPORT app as the navigation route and send to the device. You can also use routes recorded from previous rides as a guide for navigation.

Select **Navigation** on the home page to access the navigation menu.



NAVIGATE BY A ROUTE

1. Send a route from iGPSPORT app to the device.
2. Select **Route Navigation** to view available routes.
3. Select a route to see its overview and its elevation profile.
4. Select **Navigate** to start.

NAVIGATION SETTINGS

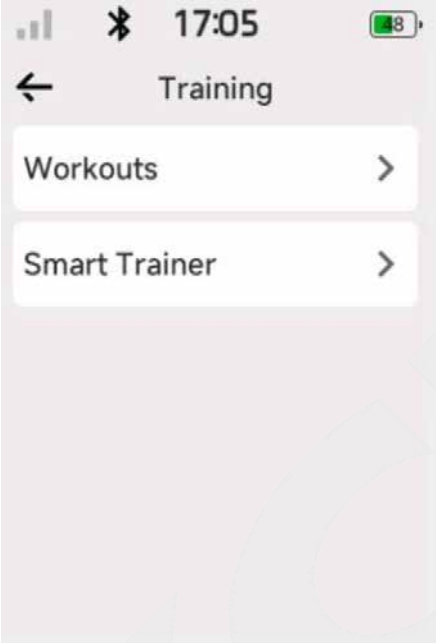
1. Select **Rerouting** to turn on/off the rerouting function. When this function is on, the bike computer will automatically re-plan the optimal route when off-track.
2. Select **Navigation Screen Flash** to turn on/off the screen flash function(the screen will flash when approaching a turn).

NAVIGATION OPERATIONS

- Enter ride mode and switch to the map page.
- Select / to zoom in or out the map.
- Select / to switch to north up.
- Select to enter map touch mode, and you can drag the map in all directions, zoom the map with two fingers.
- Press to enter the ride menu, you can select to stop the navigation or return to the starting point.

TRAINING

You can create training plans~~, workouts~~ in the iGPSPORT app and send them to the bike computer.



FOLLOWING A WORKOUT

1. Send a workout from iGPSPORT app to the device.
2. Select a workout to view each step.
3. Select **Start Training** to enter the ride mode, and the training page will be displayed on the riding data page.
4. Select ⏯ to start training and the activity timer.
5. Select 🔁 on the training page to stop the current training step and enter the next one.
6. Select ☰ on the training page to enter the riding menu, and select **Stop Workout** to stop.
7. After the activity is saved or discarded, the workout will also stop.

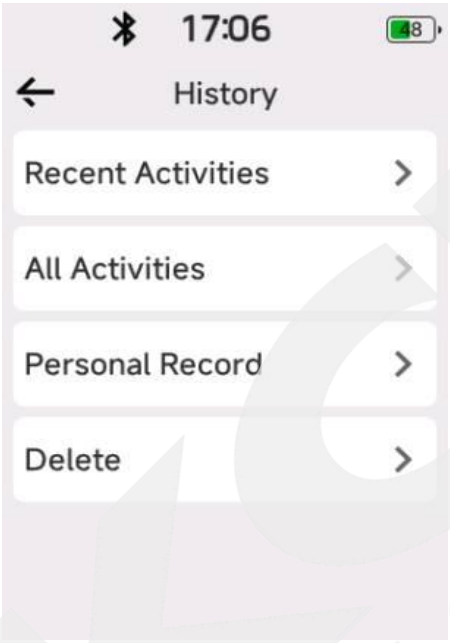
USING SMART TRAINER

1. Select **Smart Trainer** to view its options.
2. If the Smart Trainer is not connected, you can select **Pair Smart Trainer** to view the sensor settings. Wake up the Smart Trainer and connect to the device.
3. Select "Follow a Workout" to choose a specific course; the trainer will then automatically adjust the resistance according to the workout data.
4. Select **Power Mode** to set a target power.
5. Select **Resistance Mode** to set a resistance level for the trainer.
6. Select ⏯ to start or stop Trainer training.

HISTORY

History contains the history rides stored on the device. You can view activity data such as time, distance, calories, etc. corresponding to the history rides, as well as information about the optional external sensors.

Note: Older history records will be overwritten if the device runs out of memory space.



ALL ACTIVITIES

1. Select **All Activities** to view all activities.
2. Select an activity to view its summary.
3. Select the Summary option to view details, such as summary, lap, graph, climbs, segments, training status and more.
4. Select **Delete** to delete this activity.

PERSONAL RECORD

Personal Records counts the best records in your historical activities while using the bike computer, and you can view the furthest ride, fastest average speed, highest climb, longest time, and best power record.

1. Select **Personal Record** on the home page to view personal records.
2. Select a record and you can view its data.
3. Select **View** to view corresponding history activities.
4. Select **Reset** to delete current record and and the existing data will no longer be ranked.

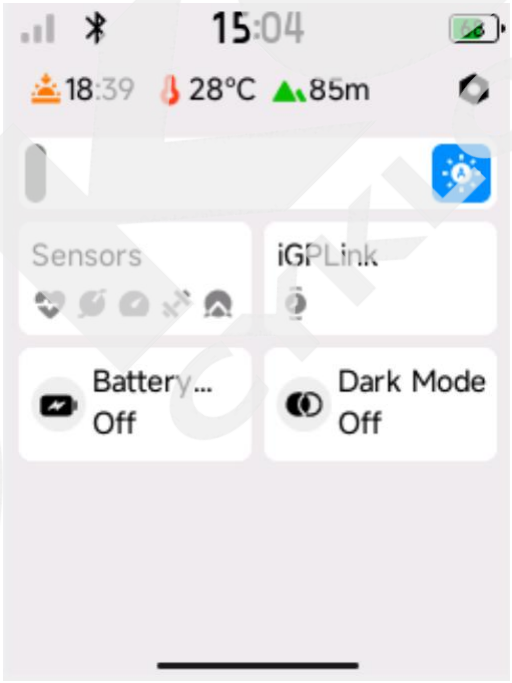
SMART NOTIFICATION

To use the smart notification function, you need to install the iGPSPORT app on your phone and pair it with the bike computer. You can receive incoming calls, messages and app notifications from your phone through the bike computer.

Note: With Smart Notification On, the battery consumption of the bike computer and the phone will be faster due to Bluetooth being constantly on.

STATUS PAGE

1. Swipe down from the top of the home page or riding page to show the status page.
2. GPS, battery and the connection status between sensors and the smartphone, sunrise/sunset time, current elevation and other information will be displayed on the Status Page.
3. The Status Page provides shortcuts to adjust brightness and volume, toggle Battery Saver mode, dark mode and manage your system settings, and sensors. ~~and notifications.~~



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iGPLink

iGPLink allows you to connect your bike computer with compatible bike lights and smartwatches.

BIKE LIGHT

By connecting your lights via iGPLink, you can control the modes and smart features of both front and tail lights directly. You can also monitor real-time battery levels and remaining runtime.

Smart Light Sensing

When the bike light lacks a light sensor, the bike light's on/off status can be automatically controlled by the bike computer's light sensor. The bike light brightness will be adjusted aromatically based on the ambient light, ensuring optimal illumination.

Light Alerts

When this feature is enabled, the front light can sync with the bike computer's navigation and cycling data to provide safety alerts:

Navigation Cue: When navigation cue are enabled in the bike computer's navigation settings, the front light will flash when turning to increase visibility.

Heart Rate Alerts: In ride mode, enabling the Alert Settings (currently supports heart rate only) will cause the front light to flash when the heart rate exceeds the set range, ensuring cycling safety.

WATCH

Connect your watch via iGPLink to manage Heart Rate Broadcasting and Vibration Alerts directly.

Heart Rate Broadcasting

Once enabled, the watch will broadcast your real-time heart rate data to the bike computer.

Vibration Alerts

When specific features are enabled on the bike computer, the watch will provide haptic feedback to ensure you never miss important information.

Alerts include the following three categories:

- **Activity Alerts:** Requires "Motion Detection" to be enabled on the bike computer; the watch alerts you when movement is detected.
- **Navigation Alerts:** Requires "Turn Guidance" to be enabled on the bike computer; the watch alerts you for off-course warnings and upcoming turns.
- **Warning Alerts:** Requires "Alert Settings" to be enabled on the bike computer; the watch alerts you when speed, heart rate, power, or cadence exceeds or falls below your preset limits.

SETTINGS

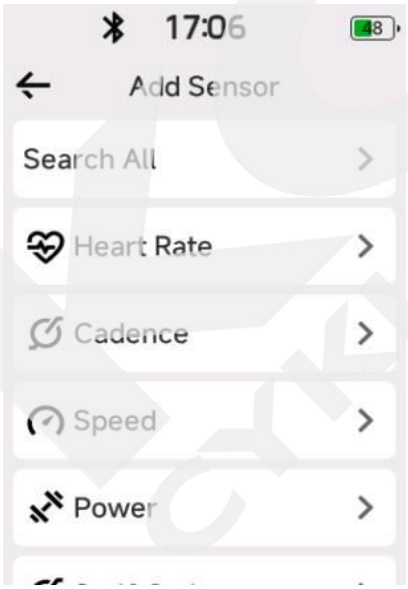
Select **More** on the home page to view setting options, or you can select the shortcut key to enter **More**.

SENSORS

The bike computer can pair with sensors supporting Bluetooth Communication Protocol, including heart rate monitors, cadence sensors, speed sensors, power meters, smart trainers, ~~shifters~~, iGP radars, e-bikes and iGPSPORT bike lights and smartwatches. The specific third-party sensors that are compatible with the device subject to the actual connection status.

Sensors Pairing

Before pairing a heart rate sensor, cadence sensor, speed sensor, or third-party power meters, please make sure it has been properly installed. For more information on installing sensors, please refer to their user manuals.



1. Select **Add Sensor** to enter the sensor list, you can search all sensors or search by sensor type.
2. The bike computer starts to search for the sensor.
   - Cadence sensor: rotate the crank arms to wake up the sensor. A flashing red light indicates that the sensor is enabled.
   - Speed sensor: rotate the wheel to wake up the sensor. A flashing red light indicates that the sensor is enabled.
   - Third-party power meter: rotate the crank arms to wake up the sender.
3. When the sensor is found, the model and ID will be displayed. Select the sensor to connect.
4. Select **Connect** to start pairing sensors in batches.

5. After successful pairing, the pop-up of Successful Connection will be displayed and the sensor will be in the sensor list.

Note:

1. Please make sure that the sensor is waken up before pairing. The sensor will automatically connect to the device if it has been successfully paired with it.
2. The sensor needs to search and connect again after replacing the battery.
3. Resetting the device or some firmware upgrades may require to search and connect sensors again.

Sensors Settings

The sensor needs to be set to ensure its correct use and accurate measurement. The setting method is as follows: select a connected sensor, open the menu and select the data to set.

- Wheel Size: if you want to pair with a speed sensor, you need set the wheel size. Select the speed sensor, press Confirm and select wheel diameter to set the wheel size. The setting method can refer to the Appendix Common Wheel Diameter Parameters.
- Crank Length: set crank length in millimeters. This setting is only available after this device being paired with a power meter.
- Power Meter Calibration: first, rotate the crank arms to wake up the sensor; second, select Power Calibration in the menu; third, calibrate the power meter following the instructions on the screen. (Please refer to the manufacturer's instructions for specific calibration instructions for power meters.)

Sensors Removing

1. Select a saved sensor to view its options.
2. Select **Forget** to remove this sensor.

POWER MANAGE

Select **Power Manage** to view battery saver options. This device supports battery saver, auto sleep and auto power off.

Battery Saver Mode

- Battery Saver Mode can prolong the usage time of the battery, though it may reduce data accuracy and limit certain features.
- Once Power Saving Mode is enabled, the device will temporarily adjust the following settings to conserve battery: Auto Screen Off, Auto Sleep, Auto Power Off, Voice Prompts, Notifications, and GPS Mode.

Note: You should close the Battery Saver Mode and charge the device to get a better experience after each ride.

DATA TRANSFER

Select "**Data Transfer**" to enable or disable the transfer feature. When enabled, bike computers with this feature active can mutually transfer routes, segments, and workouts.

MOTION DETECTION

Select **Motion Detection** to enable and set this feature, and the bike computer will provide a reminder to start recording if movement is detected.

LANGUAGE

The device supports multiple languages. You can select a language according to your need.

1. Select **System** > **Language** to view its options.
2. Select a language to switch.

HOME SHORTCUT

Select **System > Home Shortcut**. When enabled, this feature allows you to quickly return to the home screen from any other page.

DISPLAY

1. Select **System** > **Display** to view display options.
2. Tap  to toggle Auto Brightness On/Off. When enabled, the bike computer automatically adjusts screen brightness based on ambient light conditions. When disabled, you can manually drag the brightness slider to your preferred level.
3. **Auto Screen Off**: Select On / Non-Activity Only / Off.
   On: The screen will automatically turn off during both active and non-active states.
   Non-Activity Only: The screen will only turn off when no activity is being recorded.
   Off: The screen will stay permanently on (Always-on Display).
4. **Dark Mode:** Select Auto / Light / Dark.
   Auto: The background color switches automatically based on local sunrise and sunset times.
   Light: Sets the display to a light mode.
   Dark: Sets the display to a dark mode.

SOUND

1. Select **Key Tones** to turn on/off key tones.
2. Select **Alerts** to turn on/off alert tones.

GPS MODE

This device has a built-in multi-GNSS system, providing data like speed, distance and elevation for different outdoor riding activities.

Select **System** > **GPS** > to enter GPS mode selection menu, and you can select according to different scenarios.

TIME

1. Select **System** > **Time** to view time options.
2. Select **Time Format** to change the time format.
3. Select **Time Zone** to change the bike computer's time zone.

Note: If the time is incorrect, simply connect the device to the iGPSPORT app or head outdoors for a GPS signal. The time will then calibrate automatically.

UNITS

Select **System > Units** to to view the available options. you can choose between Metric or Imperial measurements.

USER GUIDE

Select **System > User Guide** for step-by-step tutorials on ride controls, using maps, customizing your data pages and more.

DEVICE RESET

1. Select **System** > **Device Reset** to view its options.
2. Selecting **Reset** to restore to the default settings and ride mode, but history will not be deleted.
3. Select **Delete and Reset** to restore to the default settings and ride mode, and history will be deleted.

Note: Delete and reset will restore to the default values, unpair the Bluetooth, clear all data and odometer. Therefore it is suggested that you turn on the auto sync to save your personal data in the iGPSPORT app > Device > Data management.

DEVICE RESTART

If you have problems when using the device, you can try to restart it. Restarting will not delete any settings or personal data on it. Long press ▬ to turn off the device, and press ▬ again to restart it.

iGPSPORT APP

In the iGPSPORT app, you can manage the device, view real-time visual analysis of activity data, plan training and navigation routes, and communicate with other riders.

USER PROFILE

It is very important to set your physique precisely, especially your weight, height, date of birth, and gender, because these factors affect the accuracy of measurement values, such as heart rate limits and calorie consumption.

You can make settings such as gender, height, weight, date of birth, maximum heart rate, resting heart rate, FTP, and training intervals for parameters such as speed, cadence, and heart rate in the settings.

ACTIVITY DATA

In the iGPSPORT app, you can easily access past and planned riding activity data, establish new training targets, get a quick overview of riding activities, analyze detailed summary data, chart records, and various detailed data of your performance in real time. You can view your riding activity records and statistical analysis of data during the activity, and also make statistics of your activity data in different time periods.

BIKE COMPUTER SETTINGS

It is convenient for you to set various functions on the device through the iGPSPORT app, including adding, editing and enabling the data page view, and setting auto feature options and alerts. For more information, please see Activity in the iGPSPORT app.

ACTIVITY SHARING

With the image sharing function of the iGPSPORT, you can share images and training data on the most commonly used social media such as Facebook and Instagram. You can share an existing photo, or you can take a new photo and customize it with your training data. If you have a GPS record during the training, you can also share a snapshot of the training route.

COMMON WHEEL SIZE SETTINGS

Setting wheel size is a prerequisite for correctly displaying of riding information. There are two ways to determine the wheel size of a bicycle:

Way 1: Manually measure the wheels to get the most accurate results.

- Mark the valve as the point where the wheel touches the ground. Draw a line on the ground to mark that point. The bicycle moves forward a full circle on a flat surface. The

tires should be perpendicular to the ground. Draw another line on the ground at the valve to mark a complete rotation of the wheel. Measure the distance between the two lines.

- Subtract 4mm to calculate the weight on the bicycle to get the circumference of the wheel.

Way 2: Look at the diameter (in inches or ETRTO) printed on the wheel. Match it to the wheel size in millimeters in the right column of the chart.

You can check on the Internet and calculate the size that is not included in this list.

Common Wheel Diameter Parameters

Wheel Size	Length（mm)	Wheel Size	Length（mm)
26 x 2.35	2083	12 x 1.75	935
26 x 3.00	2170	12 x 1.95	940
26 x 7/8	1920	14 x 1.50	1020
26 x 1-1/8	1970	14 x 1.75	1055
26 x 1-3/8	2068	16 x 1.50	1185
26 x 1-1/2	2100	16 x 1.75	1195
27 x 1	2145	16 x 2.00	1245
27 x 1-1/8	2155	16 x 1-1/8	1290
27 x 1-1/4	2161	16 x 1-3/8	1300
27 x 1-3/8	2169	17 x 1-1/4	1340
27.5 x 1.50	2079	18 x 1.50	1340
27.5 x 1.95	2090	18 x 1.75	1350
27.5 x 2.10	2148	20 x 1.25	1450
27.5 x 2.25	2182	20 x 1.35	1460
29 x 2.1	2288	20 x 1.50	1490
29 x 2.2	2298	20 x 1.75	1515
29 x 2.25	2281	20 x 1.95	1565
29 x 2.3	2326	20 x 1-1/8	1545
650 x 20C	1938	20 x 1-3/8	1615
650 x 23C	1944	22 x 1-3/8	1770
650 x 25C	1952	22 x 1-1/2	1785
650 x 35A	2090	24 x 1	1753
650 x 38A	2125	24 x 3/4 Tubular	1785
650 x 38B	2105	24 x 1-1/8	1795
700 x 18C	2070	24 x 1-1/4	1905

700 x 19C	2080	24 x 1.75	1890
700 x 20C	2086	24 x 2.00	1925
700 x 23C	2096	24 x 2.125	1965
700 x 25C	2105	26 x 1-1.0	1913
700C Tubular	2130	26 x 1	1952
700 x 28C	2136	26 x 1.25	1950
700 x 30C	2146	26 x 1.40	2005
700 x 32C	2155	26 x 1.50	2010
700 x 35C	2168	26 x 1.75	2023
700 x 38C	2180	26 x 1.95	2050
700 x 40C	2200	26 x 2.00	2055
700 x 44C	2235	26 x 2.10	2068
700 x 45C	2242	26 x 2.125	2070
700 x 47C	2268		

CONTACT US

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DISCLAIMER:

This user manual is for user's reference only. If there is any difference between the device and the manual, please subject to the device. We will not notify otherwise.