West Biking Wireless Bike Computer / Cycling Speedometer User Manual

Introduction

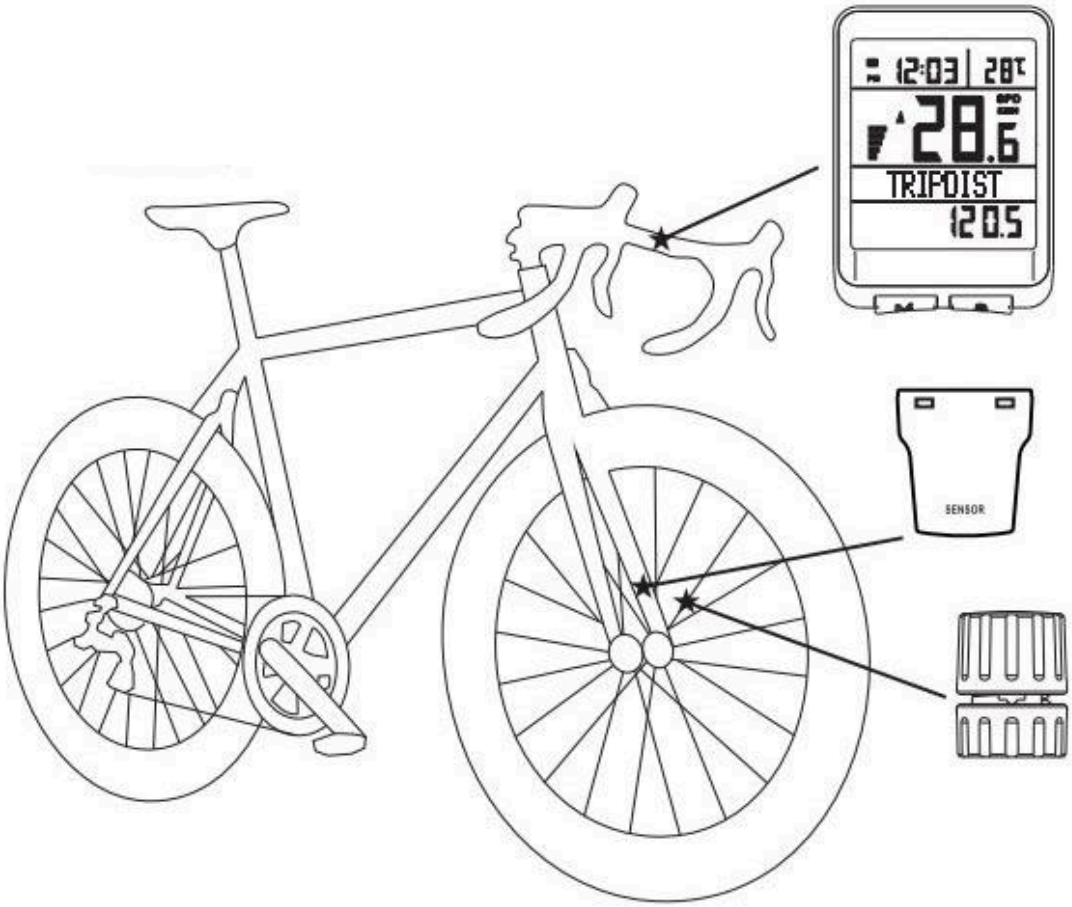
The bike computer utilises low-frequency wireless transmission technology, ensuring convenient operation and easy installation. This technology improves the accuracy of wireless electromagnetic wave transmission, providing precise riding data.

The bike computer features a large LCD dot-matrix display, allowing easy access to real-time data during your ride. Additionally, it offers accurate record-keeping, with automatic data storage and updates for up to one week of riding information.

Function Overview

1. Multi-language Support: Displays in five different languages.
2. Clock: Displays the current time.
3. Stopwatch: Measures elapsed time during rides.
4. Temperature: Shows the current temperature.
5. Metric/Imperial Units: Switch between metric and imperial units.
6. Automatic Circulation (Scan): Automatically cycles through different data displays.
7. Wheel Settings: Allows adjustment for different wheel sizes.
8. Analog Speed Indicator: Displays current speed in an easy-to-read analog format.
9. Auto ON/OFF: Automatically turns the bike computer on or off as needed.
10. Trip Up/Down: Tracks trip distance, both up and down.
11. Calorie Consumption (KCAL): Tracks calories burned during your ride.
12. LED Backlight: Illuminates the screen for better visibility in low light conditions.
13. Current Speed: Displays your current speed in real-time.
14. Average and Maximum Speed: Shows average speed and maximum speed for the trip.
15. Speed Comparison Prompts: Compares current speed to your average speed and provides feedback.
16. Riding Time/Distance: Tracks the duration and distance of your ride.
17. Total Distance/Time: Records the total distance and time travelled across all rides.
18. Weekly Riding Time/Distance: Summarises your riding statistics over a week.
19. Automatic Memory and Weekly Updates: Automatically stores your riding data and updates weekly.

Installation instructions



How to Mount the Battery?

1. Insert a coin (such as a one-dollar coin) into the slot on the battery cover.
2. Turn the coin counterclockwise to open the battery cover.
3. Place the battery into the compartment, ensuring the correct orientation.
4. Reattach the cover by turning it clockwise to close it securely.

How to Install the Bracket?

1. Place a rubber pad around the handlebar to provide a secure grip.
2. Attach the bracket to the handlebar using the provided ribbon cord.
3. Ensure the bracket is tightly fixed to the handlebar.

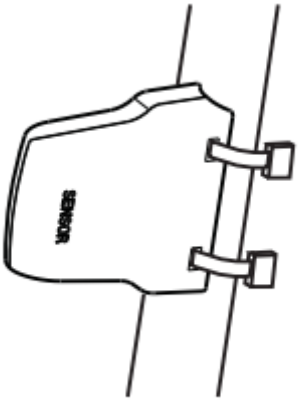
Note: The bracket can be adjusted to fit handlebars of different orientations**.**

How to Install the Bicycle Computer Gauge?

1. Insert the gauge into the end of the bracket slot.
2. Press the spring-loaded clip (shrapnel) to secure it in place.

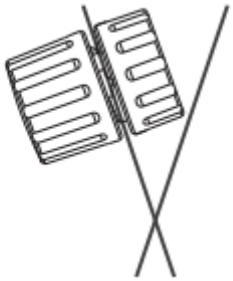
How to Install the Transmitter?

1. Place rubber pads on the bicycle tube where you plan to attach the transmitter.
2. Secure the transmitter using the ribbon cord at the desired position.
3. Ensure the side of the transmitter labelled 'SENSOR' faces the magnet.

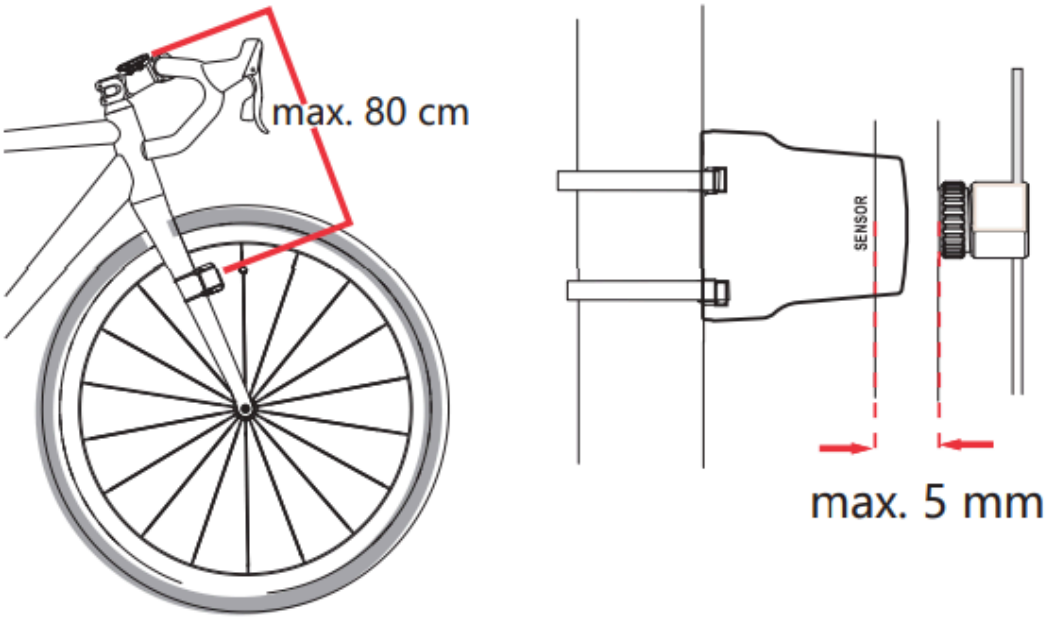


How to Install the Magnet?

1. Unscrew the nut at the base of the magnet.
2. Attach the magnet to the wheel spoke using the provided screw, and tighten it by reattaching the nut.



Notes:
1. The maximum distance between the bicycle computer gauge and the transmitter should not exceed 80 cm. Adjust the location of the transmitter as needed to stay within this range.
2. The minimum distance between the transmitter and the magnet should be less than 5 mm. Adjust the magnet's position to ensure it stays within this limit.
3. Ensure the transmitter and gauge are mounted vertically, with an angle of no more than 30°.



Operation Instructions

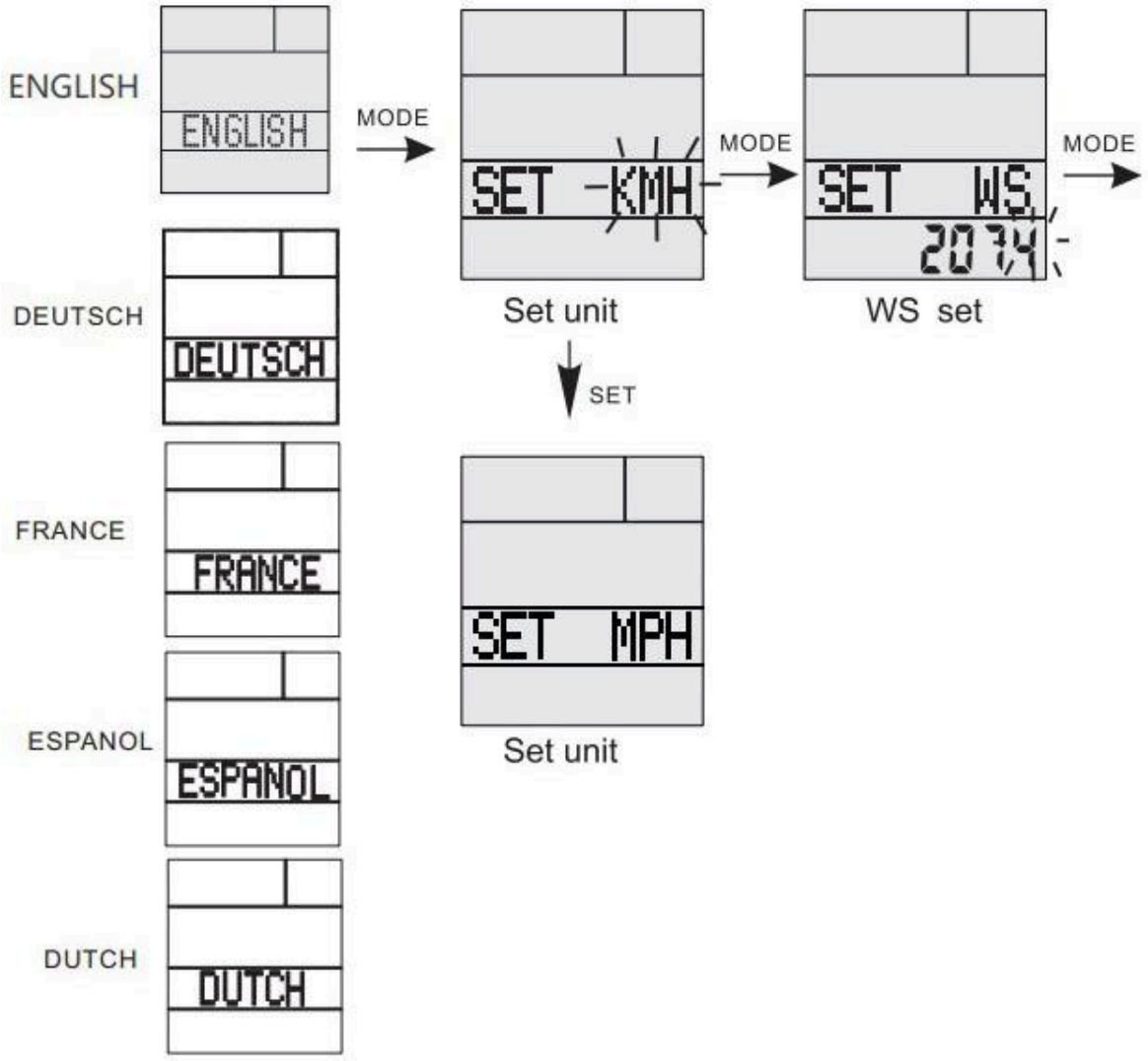
A. System Initialization Parameter Setting
When you replace the battery, all stored data will be reset to zero. To ensure accurate riding data, you must set the parameters during the first use.

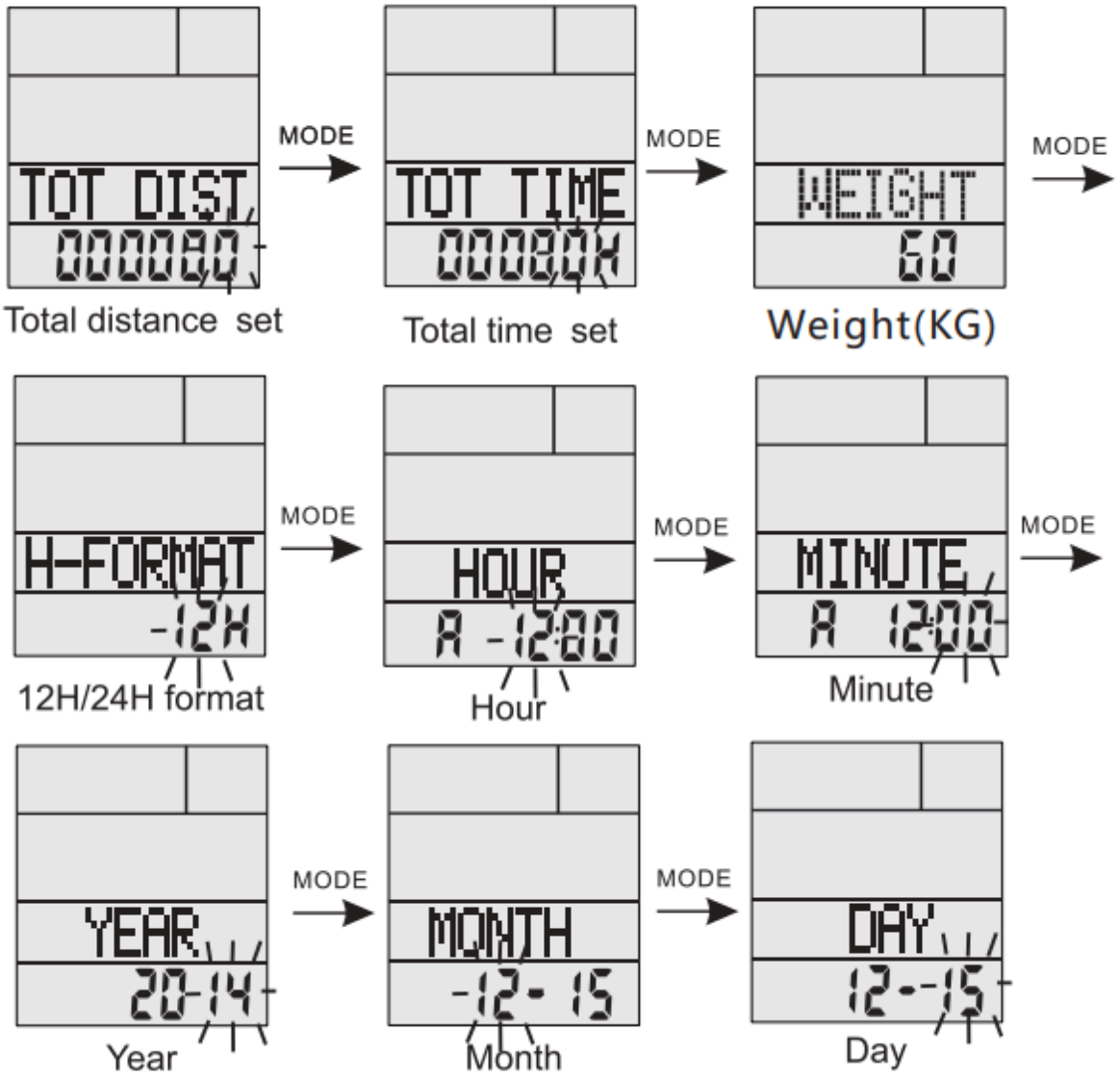
1. Important: Please set the parameters the first time, otherwise, your riding data will be incorrect.

2. How to Access System Initialization Settings:
There are two methods:

a. After Replacing the Battery:
- When you replace the battery, you'll need to reset various parameters, including speed units, wheel circumference, total riding time, total distance, date, height, weight, age, and more.

b. In Clock Mode:
- When the bike computer is in CLOCK mode, press and hold the MODE button for 2 seconds to enter the system parameter settings. Follow the steps shown in the figure below:


ENGLISH
ENGLISH
MODE
SET -KMH-
MODE
SET WS
2074
MODE
Set unit
WS set
SET
DEUTSCH
DEUTSCH
FRANCE
FRANCE
SET MPH
Set unit
ESPANOL
ESPANOL
DUTCH
DUTCH



Parameter Setting Steps

1. Language Selection:
   - Choose your preferred language: English, German (Deutsch), French, Spanish, or Dutch.

2. Speed Unit:
   - Set the speed unit (KM/H or MPH) based on your preference.

3. Wheel Circumference (WS):
   - Set the wheel circumference in millimetres (MM). This is important for accurate data.

4. Total Distance:
   - Set the total distance for your riding history.

5. Total Time:
   - Input the total riding time.

6. Weight (KG):
   - Enter your weight in kilograms (KG).

7. Time Format:
   - Select between 12-hour or 24-hour time formats.

8. Time Setting:
   - Set the current hour and minutes.

9. Date Setting:
   - Set the year, month, and day.

Important Notes:
Wheel Circumference Accuracy:
It's crucial to set the correct wheel circumference for accurate riding data. There are two ways to measure the wheel circumference:

1. Using Wheel Size:
   - Record the size of your wheel and refer to the table for the corresponding perimeter value.

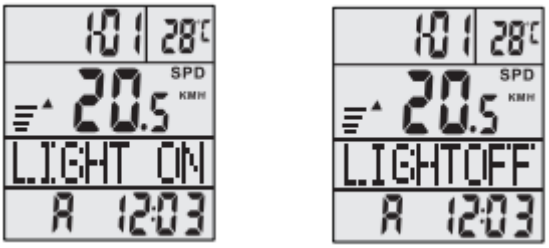
2. Manual Measurement:
   - Mark a point on the wheel, push the bike for one complete rotation, and measure the distance. This distance represents the wheel circumference in millimetres (MM).

You can use this chart to set the correct wheel circumference on your bike computer for accurate data collection.

Wheel Diameter	Set Value (mm)
18 Inch	1436
20 Inch	1596
22 Inch	1759
24x1.75	1888
24 Inch	1916
24x1 3/8 Inch	1942
26x1.40	1995
26x1.50	2030
26x1.75	2030
26x1.95	2099
26x2.1	2133
700C Tubular	2117
700x20C	2092
700x23C	2112
700x25C	2124
700x28C	2136
700x32C	2155
700x35C	2164
700x38C	2174
27.5 Inch	2193
28 Inch (700B)	2234
28.6 Inch	2281

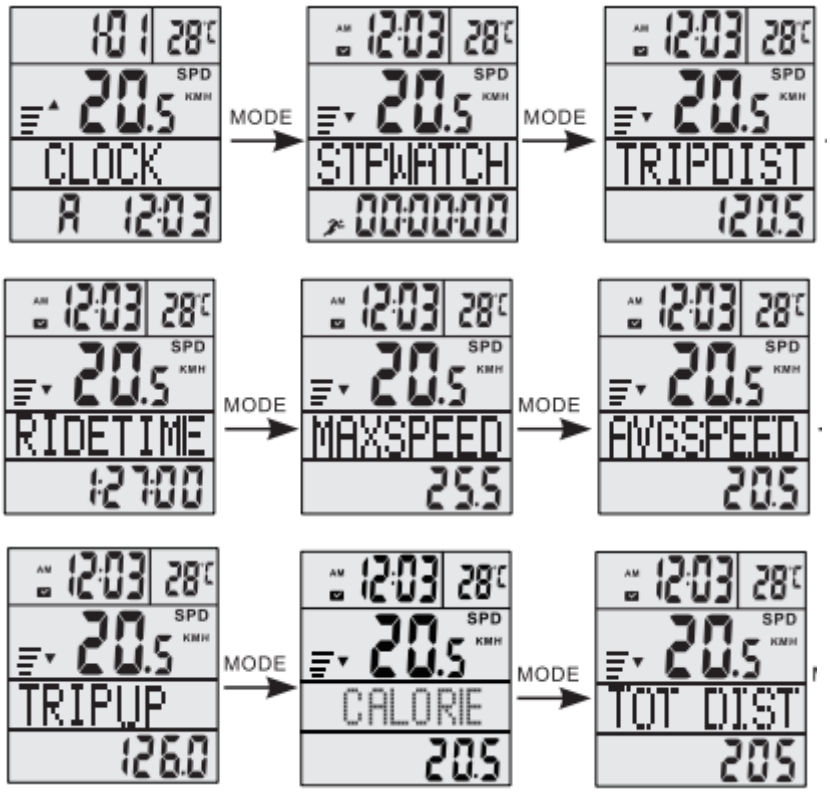
B. How to Use the EL Backlight?

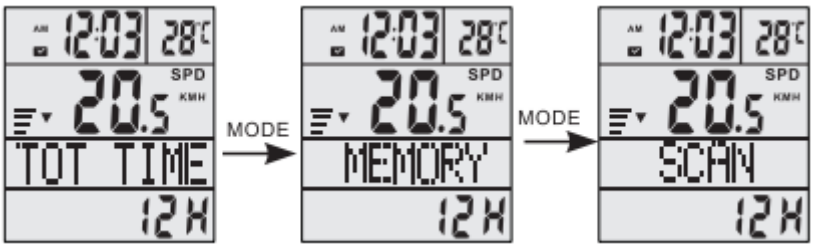
1. In any mode, press and hold [SET] + [MODE] to access the backlight options.
   - The display will show LIGHT ON or LIGHT OFF.
2. When in LIGHT ON MODE, the backlight will remain on for 3 seconds after any key press.
3. When in LIGHT OFF MODE, the backlight will remain off.



C. Function Display

To switch between different display modes, press the [MODE] button. The available modes include:





D. Function Instructions

Clock
- Displays the current time in 12-hour or 24-hour formats.

Stopwatch
- Press [SET] to start the stopwatch.
- To stop, press [SET] again.
- To reset, press and hold [SET] for 2 seconds when stopped.

Trip Distance (TRIP DIST)
- Shows the distance travelled during the current ride.

Riding Time (RIDE TIME)
- Displays the total riding time.
- Clear previous data to reset the riding time for new trips.

Average Speed (AVG SPEED)
- Displays the average cycling speed based on mileage divided by riding time.
- Reset data to calculate a new average speed for subsequent rides.

Trip Up/Down (TRIP UP/DOWN)
- Press [MODE] to switch between trip distance up or down.
- Hold down [SET] for 3 seconds to enter value setting mode.
- Use [SET] to toggle between TRIP UP and TRIP DOWN.

Calorie Consumption (KCAL)
- Displays the estimated calories burned during the ride.

Max Speed (MAX SPEED)
- Displays the highest speed reached during the ride.
- Clear previous data to reset and record the new maximum speed.

Total Distance (TOT DIST)
- Displays the total distance covered.
- Note: Resetting the system will erase this data.

Total Time (TOT TIME)
- Displays the total cycling time.
- Resetting the system will also reset this data.

Memory (MEMORY)
- Tracks and stores previous ride data.

Scan (SCAN)
- Press [MODE] to switch to SCAN MODE, where the system will automatically rotate through the following four display modes every 4 seconds:
  - Ride Distance (TRIPDIST)
  - Ride Time (RIDE TIME)
  - Average Speed (AVG SPEED)
  - Maximum Speed (MAX SPEED)

Speed Pace
- The Speed Pace function provides visual feedback on your current cycling speed:
  - Upward Triangle: Indicates that your current speed is faster than your average speed.
  - Downward Triangle: Indicates that your current speed is slower than your average speed.

Memory
1. In Memory Mode, press [SET] to view your riding data from a single day. The data will automatically cycle through distance, riding time, maximum speed, average speed, and more.
2. To view data from previous days, press the [SET] button to navigate through different days. You can view up to seven days of cycling data.
3. Note: The record storage function cannot be cleared or modified.
4. Every day at 12:00 AM, the bike computer will store the previous day’s cycling data.

E. Data to Clear

To reset specific cycling data such as:
- Riding Distance (TRIP DIST)
- Riding Time (RIDE TIME)
- Maximum Speed (MAX SPEED)
- Average Speed (AVG SPEED)
- Heart Rate Time (HR-TIME)

Follow these steps:

1. Hold down the [SET] button for 3 seconds until "RESET" appears on the screen.
2. After "RESET" flashes three times, the selected mode will be cleared, and the data will be reset.

Note:
- Resetting this data will not affect the total mileage (TOT-DIST), total riding time (TOT-TIME), or the data stored in Memory.

F. Automatic Shutdown/Boot Function

- If no speed signal is received by the bike computer for 4 minutes, it will automatically enter a dormant state. During this time, the speed display will not be shown.
1. In dormant mode, press any key (MODE or SET) to automatically wake up the device.
2. The bike computer also has a built-in vibration switch. When you start riding, it detects the motion and automatically powers on.

G. Automatic Energy Saving

- To conserve battery power, if no speed signal is detected for 4 minutes, the bike computer will enter a standby mode. In this mode, press any button or begin riding to automatically wake it up.

Replace the Battery:

1. All recorded data will be reset when you replace the battery.
2. Make sure to record the Total Mileage (TOT-DIST) and Riding Time (TOT-TIME) before replacing the battery, as they will also reset.
3. Use a CR2032 battery, ensuring the positive side (+) faces the battery cover.

Notes

1. The bike computer is waterproof for rainy conditions, but do not use it underwater.
2. Avoid leaving the bike computer exposed to direct sunlight when not in use.
3. Regularly check the distance between the sensor and magnets to ensure accurate data collection.
4. Do not use alcohol or solvents to clean the bike computer and its accessories.
5. Always stay aware of road conditions to ensure safety while riding.

Troubleshooting

Problem	Reason	Solution
Menu Display Turns Black	The computer overheated due to long exposure to sunlight.	Move it to a shady, cooler place.
Display Updates Slowly	The outside temperature is too low.	Place it in normal temperature conditions.
No Display	1. Battery is low. 2. Battery is inserted backward.	1. Replace the battery. 2. Correct the installation.
No Speed Display/Faulty Display	1. Computer is not set up. 2. Incorrect sensor or magnet placement. 3. Incorrect wheel circumference setting. 4. Transmitting distance or angle is too long/incorrect. 5. No power to the transmitter. 6. High voltage interference nearby.	1. Follow setup procedure. 2. Adjust sensor and magnet. 3. Check wheel circumference. 4. Correct distance and angle. 5. Replace battery. 6. Move away from interference.
Malfunction Display	General malfunction or incorrect settings.	Re-set the computer according to the setup manual.