# Bicycle Computer Instruction Manual

SD-589 (20 Function)

Functions

- **SPD** Current Speed
- **ODO** Odometer (0~99999km/m)
- **DST** Trip Distance
- **MXS** Maximum Speed
- **AVS** Average Speed
- **TM** Elapsed Time
- **CLK** Clock (12H/24H)
- **TMP** Temperature / (-10°C~70°C)
- **SCAN**
- **"+""-"Comparator**
- **SETTING TYRE CIRCUMFERENCE /** (0mm~9999mm)
- **SETTING SPEED SCALE** (km,m)
- **MAINTENANCE ALERT**
- **SETTING THE LAST VALUE OF ODOMETER /** ODO
- **COMPUTER LOW BATTERY INDICATOR**
- **SENSOR LOW BATTERY INDICATOR**
- **WIRELESS WAKE UP**
- **AUTO BACKLIGHT**
- **BACKLIGHT IS LONG BRIGHT**
- **AUTO ON/OFF**

Button Function Description

Wired Remote Control

MODE

MODE

SET
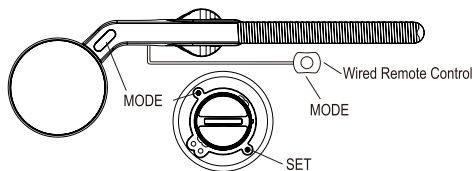
Installation

Computer Battery Installation

To install the battery, make sure the positive (+) pole faces the battery cover and then put the cover back on and tighten with a coin or flat head screw driver. If the LCD shows strange figures, take out the battery and put it back in.
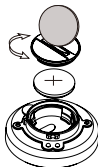
Installation of Speedometer

Attach speedometer sensor to the front fork using the ties. The computer and sensor should be installed on the same side of the fork, with distance between them of less than 60cm. The arrow on the sensor should point at the magnet. Install magnet as shown in figure. Distance between sensor and magnet should be 3~5mm.
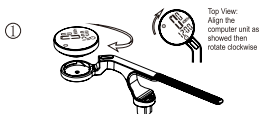

3~5mm
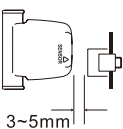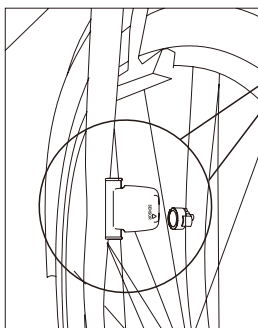
Pass bicycle spokes through the plastic hole on the bottom of the magnet and tighten to secure

Notice
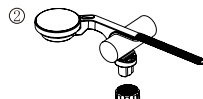The magnet is designed for spokes that are less than 2mm thick.
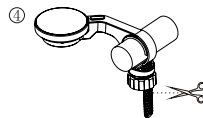
Mounting Shoe \ Computer

① Top View: Align the computer unit as showed then rotate clockwise

②

Align the computer unit and rotate it to lock into the mount base.

Attach the mount base onto the handlebar at the desired location.

③

④

Insert the threaded strap through the locking hole and tighten via the included nut.

Cut off excessive strap

To check if the speed function and sensor alignment are working properly, spin the front wheel with the computer in speed mode. Adjust the position of sensor and magnet if there is no or weak signal.

Computer

60CM

Sensor

Magnet
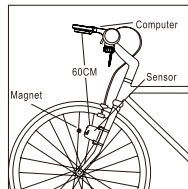
Parameter Settings

Wheel Size Input

Reinstall the battery or press the MODE key + SET key for 4 seconds at the same time. After the screen is fully displayed, release the key, and the screen will display 2060 with 1 digit blinking.Refer to the table below to select your desired circumference, press MODE key to change the flashing value, press SET key to confirm, and move on to set the next digit. Input circumference range is 0 ~ 9999mm. Keep pressing SET key to enter kilometers/miles unit setting.

TIRE SIZE	CIRC	TIRE SIZE	CIRC	TIRE SIZE	CIRC
12×1.75	935	24×1-1/8	1795	27×1-3/8	2169
12×1.95	940	24×1-1/4	1905	27.5×1.50	2079
14×1.50	1020	26×1(599)	1913	27.5×1.95	2090
14×1.75	1055	26×1.25	1950	27.5×2.1	2148
16×1.50	1185	26×1.40	2005	27.5×1.25	2182
16×1.75	1195	26×1.50	2010	700×18C	2070
16×2.00	1245	26×1.75	2023	700×19C	2080
16×1-1/8	1290	26×1.95	2050	700×20C	2086
16×1-3/8	1300	26×2.10	2068	700×23C	2096
17×1-1/4	1340	26×2.125	2070	700×25C	2105
18×1.50	1340	26×2.35	2083	700×28C	2036
18×1.75	1350	26×3.00	2170	700×30C	2146
20×1.25	1450	26×1-1/8	1970	700×32C	2155
20×1.35	1460	26×1-3/8	2068	700Tubular	2130
20×1.50	1490	26×1-1/2	2100	700×35C	2168
20×1.75	1515	26×7/8	1920	700×38C	2180
20×1.95	1565	650×20C	1938	700×40C	2200
22×1-3/8	1770	650×23C	1944	700×42C	2224
22×1-1/2	1785	650×25C	1952	700×44C	2235
24×1.75	1890	650×38A	2125	700×45C	2242
24×2.00	1925	650×38B	2105	700×47C	2268
24×2.125	1965	27×1(630)	2145	29×2.1	2288
24×1(520)	1753	27×1-1/8	2155	29×2.2	2298
24×/34Tubular	1785	27×1-1/4	2161	29×2.3	2326

Setting(km)/(mile)

Press the **MODE** button to choose between km (kilometer) or m (mile).
Press the **SET** button to enter MAINTENANCE ALERTsetting.

KM
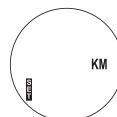
Setting Maintenance alert

To set the maintenance alert, press the **MODE** button to choose from 200/400/600/800 km/mile while the default value of 200km/mile flashes. Press the **SET** button to confirm and go to Clock mode. (When the **ODO** reaches the maintenance alert value you set, ⚒ symbol will show up on the screen to remind you. Press both **SET** button and **MODE** button to clear it.)

CLK Mode(12H/24H)

To enter setting in the clock mode, press and hold **SET** buttonfor 4 seconds to enter **12/24**H format setting. Press it again to switch formats. Press **SET** button to set Hour, and press **MODE** button to change the flashing hour figure. Press **SET** button one more time to set Minute, and press **MODE** button to change the flashing minute figure. Press **SET** button to confirm and press it once more to go back to **ODO** mode.

Setting the Last value of Odometer

To set the **ODO** value, press and hold **SET** button for 4 seconds in **ODO** mode. The default value is 0000.0. Press **MODE** button to change the flashing figure, and **SET** button to confirm and move on to the next figure. **NOTE**: Before replacing the battery, write down your mileage and then reenter it after the battery is replaced.

Temperature Unit SettIng

Press and hold **SET** key for 4 seconds in temperature display mode to switch to Fahrenheit (°F). The temperature unit defaults to Celsius (°C).

Clear Data

In DST\ MXS\ AVS\ TM\ SCAN mode, hold **SET** button 4 seconds DST\ MXS\ AVS\ TM to clear all data.

Deep Sleep Setting

Press and hold **MODE** key + **SET** key for **6** seconds, after the screen displays **SLEEP**, computer will enter deep sleep mode, The computer unit will automatically enter deep sleep mode if there is no operation within **7** days.

Function Descriptions

Speedometer

The speed is always displayed on the screen, with a maximum reading of 99.9km/h(mile/h) and an accuracy of +/- 0.1 km/h (mile/h).

Speed Comparator

During riding, ' ▲ ' and ' ▼ ' indicates the current speed is higher or lower than the average speed (**AVS**).

Odometer

The odometer shows the total mileage from the last reset to the present, The total mileage counting range is 0 ~ 99999KM(Mile), It will automatically reset to 0 after exceeding.
Press the **MODE** button to enter **DST** mode.

Trip Distance (DST)

This is the single trip mode. Shows the distance from the last data reset.
Counting range: 0.01 ~ 9999KM/M, It will automatically reset to 0 after exceeding.
Press the **MODE** button to enter **MXS** mode.

Maximum Speed (MXS)

Max speed in a single trip (DST)
Press the **MODE** button to enter **AVS** mode.

Average Speed (AVS)

Average speed in a single trip (DST)
Press the **MODE** button to enter **TM** mode.

Trip Time

The cumulative riding time for a singletrip (DST).
Timing range: 0:00:00~9:59:59, it will reset to zero and recount after exceeding.
Press the **MODE** button to enter **TMP** Mode.

Temperature (TMP)

measures and displays the external environment temperature, which defaults to Celsius (°C), with a temperature measurement range of -10°C~70°C.
Press the **MODE** button to enter **SCAN** Mode.

Scan

It displays DST, MXS, AVS, and TM in turn for four seconds per mode.
Press the **MODE** button to enter **CLOCK** Mode.

Sleep Mode

CLK clock is retained. When there is a signal input or key press computer will return to the mode before sleep, and remember the values before sleep.

Deep Sleep Mode

The screen displays SLEEP. In deep sleep mode, the only way to wake up the computer is to press any key.

Auto Backlight

The Smart Backlight will activate when there is insufficient light. Press any button to turn on the Backlight for 5 seconds.

Backlight long Bright

Press and hold the mode key for 4 seconds to turn on Backlight long Bright. Press and hold the mode key for 4 seconds and the Backlight long Bright will turn off. After the computer enters the sleep mode the Backlight long Bright is turned off.

Malfunctions and Problems

Malfunction	Problems
No speed reading	Incorrect magnet / sensor alignment.
Inaccurate value is indicated	Improper input, such as wheel circumference.
Slow display response	Temperature exceeds operating limits (0°C~55°C).
Black display	Temperature too high, or placed in direct sunlight for too long. Let the unit cool down.
Weak display	Poor battery contact or dead battery.
Display shows irregular figures	Take out battery and re-install after 10 seconds.

Accessories

Mounting Shoe

Computer

CR2032 Battery

Wheel Magnet

Sensor

Cable Ties
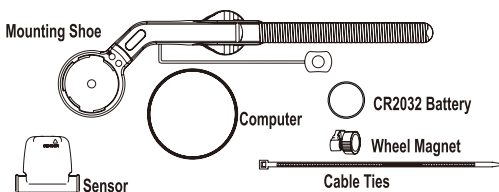
FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interferenceto radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

· Reorient or relocate the receiving antenna.
· Increase the separation between the equipment and receiver.
· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
· Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.