

**FUNCTIONS**

- SPEED (0~99.9 KM/H/M/H)
- TOTAL ODOMETER ODO (0~9999KM/H) (Fig 16)
- DAY DISTANCE DST (Fig 17)
- MAX SPEED MAS (Fig 19)
- AVG SPEED AVS (Fig 18)
- RIDE TIME TM (0~9999KM/M) (Fig 20)
- TOT TIME TTM ( 0~9999hrs ) (Fig 21)
- TEMP (-20°C~70°C) (Fig 22)
- MAX TEMP MAT (Fig 23)
- MIN TEMP MIT (Fig 24)
- STOPWATCH STP (Fig 25)
- TRIP DN (Fig 26)
- TIME DN (Fig 27)
- GEAR RATIO RAT (Fig 28)
- MAX CAD (Fig 29)
- AVG CAD ACD (Fig 30)
- MAX H/R MHT (Fig 31)
- AVG H/R AHT (Fig 32)
- CALORIE CAL (Fig 33)
- FAT BURN FAT (Fig 34)
- ALTITUDE (Fig 35)
- HI-ALTITUDE (Fig 36)
- CLIMB HT (Fig 37)
- PRESSURE ATMOSPHERIC PRESSURE (Fig 38)
- MIN PRES (Fig 39)
- PANORAMIC DISPLAY MODE (Fig 40, 41, 42)
- CYCLE MODE (Fig 43)
- CLOCK (12/24H)
- DATE (YY/MM/DD/WW)

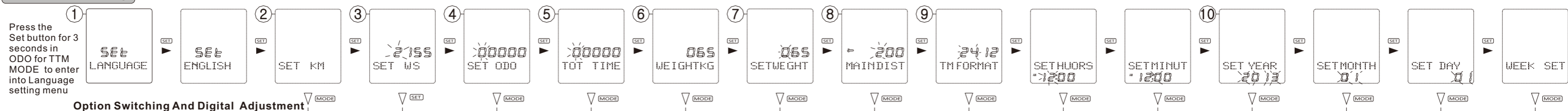
**PARAMETER SETTINGS**

- LANGUAGE (Fig 1)
- KM / M (Fig 2)
- CELSIUS / FAHRENHEIT
- WHEEL SIZE (Fig 3)
- INITIAL ODOMETER VALUE (KM / M) (Fig 4)
- INITIAL CHRONOMETER VALUE (Fig 5)
- METRIC / IMPERIAL SETTING (Fig 6)
- RIDER WEIGHT (Fig 7)
- MAINTENANCE DISTANCE (Fig 8)
- CLOCK (Fig 9)
- DATE (Fig 10)
- TIME COUNTDOWN (Fig 11)
- DISTANCE COUNTDOWN (Fig 12)
- MENU CYCLE (Fig 13)
- CHAINWHEEL / FLYWHEEL
- PANORAMIC DISPLAY

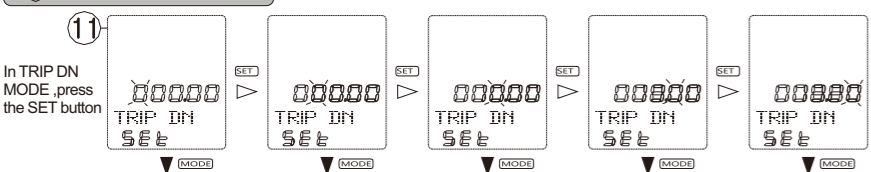
**AUXILIARY MODE**

- PANORAMIC DISPLAY MODE (Page 2, Figs 40, 41, 42)
- MENU CYCLE MODE (Fig 43)
- SPEED COMPARISON
- HIDE MENU MODE
- MAINTENANCE ALERT
- LOW BATTERY INDICATOR
- WIRELESS WAKE UP
- SMART BACKLIGHT
- REMOTE CONTROL

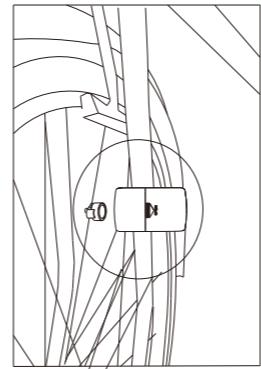
**Parameter Setting**



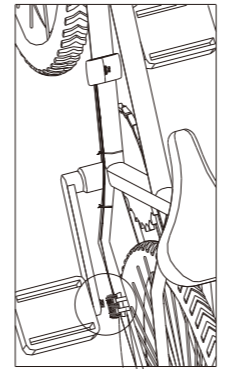
**TRIP DN Setting**



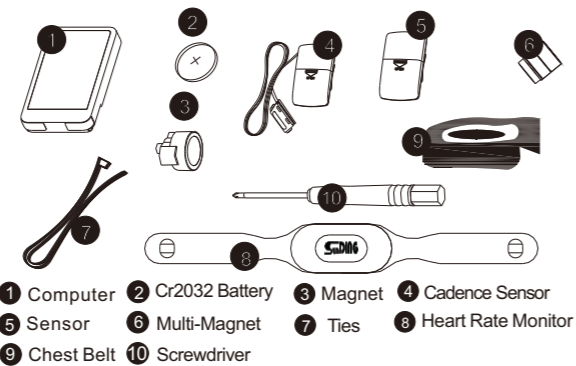
**Installation of Speedometer**



**Installation cadence of sensor**



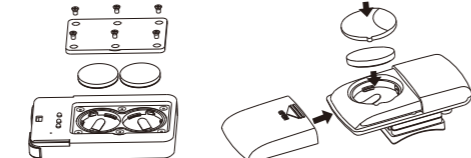
**Accessories**



**Installation**

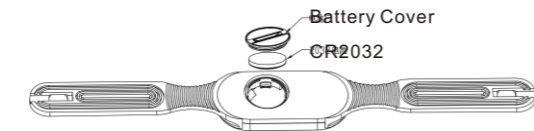
**Battery Installation**

\*Computer battery installation: Open the battery cover. Install two CR2032 batteries with positive poles facing battery cover. Replace cover and tighten with screwdriver.



\*Speedometer and cadence sensor battery installation: Open the battery cover on the bottom of the computer with a flathead screwdriver. Install CR2032 battery with positive pole facing battery cover. Replace cover and tighten with screwdriver.

\*Chest belt installation: Open the battery cover. Install CR2032 battery with positive pole facing battery cover. Replace and tighten cover by turning right.



**Chest Belt**

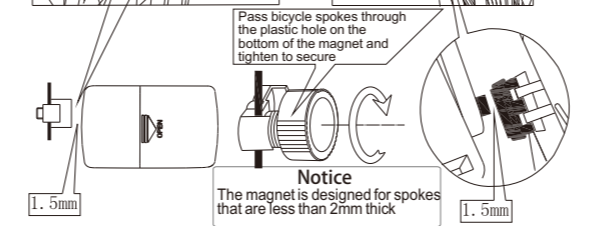
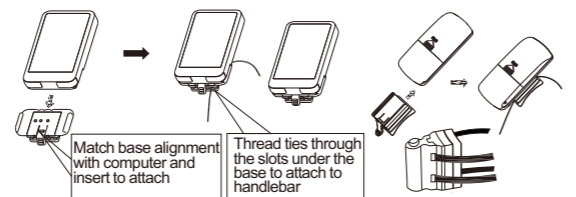
\* Attach belt so SunDing logo can be seen from outside, right side up. The belt must be placed over the heart, with no clothing or other material separating it from the body.



\*Dry, cold weather may interfere with heartbeat monitor functionality. To resolve, wait for a few minutes. You can also put a few drops of clean water on the heartbeat monitor conductor.

**Computer Installation**

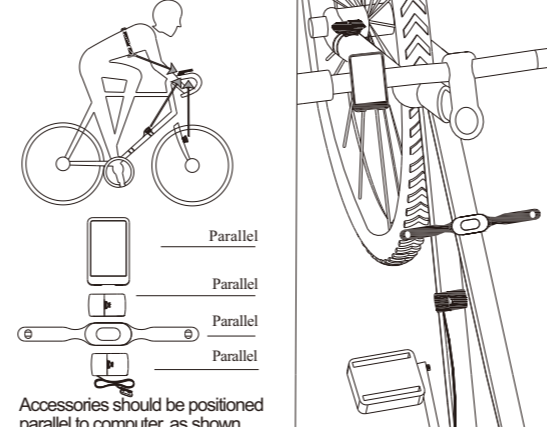
Attach the computer to the handlebar and secure using included ties. To check the installation, spin the front wheel with the computer in speed mode and observe whether there is output on the computer screen. Adjust sensor and magnet position if signal is weak or nonexistent.



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 1.5mm.

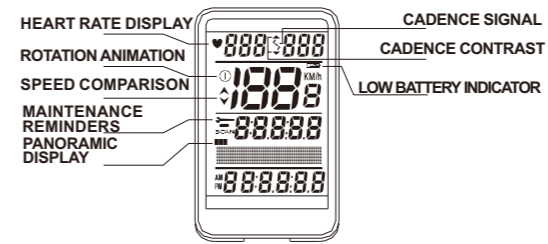
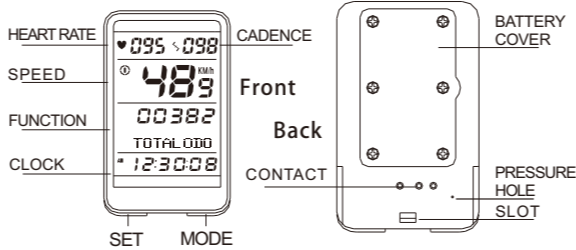
**Position of Computer and Accessories**

When riding, the computer and accessories should be parallel to one another. The diagram below shows the positioning and distance between the computer, speedometer, and cadence sensor, which should be less than 60 cm.



Accessories should be positioned parallel to computer, as shown

**Computer Function Display Area**



**Parameter Settings**

**Language Setting**

To set language, remove and reinstall battery, or hold Set button for 3 seconds in ODO or TTM Mode. Select language using Mode button, and press Set button to confirm and enter into KM / M Setting.

**KM / M Setting**

Press Mode button to select KM or M, and press Set button to confirm and enter into Wheel Size Setting.

**Wheel Size Setting**

In Wheel Size Setting mode, select wheel circumference based on below chart. Press the Mode button to change each figure, and press Set to confirm and move on to next setting. Afterwards, press Set to enter into Odometer Setting mode.

**Tire Size Chart (in mm)**

Tire Size	Circumference	Tire Size	Circumference	Tire Size	Circumference
12x1.75	935	24x1-1/8	1795	27x1-3/8	2169
12x1.95	940	24x1-1/4	1905	27.5x1.50	2179
14x1.50	1020	26x1(599)	1913	27.5x2.1	2148
14x1.75	1055	26x1.25	1950	27.5x1.25	2182
16x1.50	1185	26x1.40	2005	700x18C	2070
16x1.75	1195	26x1.50	1010	700x19C	2080
16x2.00	1124	26x1.75	2023	700x20C	2086
16x1-1/8	1290	26x1.95	2050	700x23C	2096
16x1-3/8	1300	26x2.10	2058	700x25C	2105
17x1-1/4(369)	1340	26x1.25	2070	700x28C	2036
18x1.50	1340	26x2.35	2083	700x30C	2146
18x1.75	1350	26x3.00	2170	700x32C	2155
20x1.25	1450	26x1-1/8	1970	700Tubular	2130
20x1.75	1460	26x1-3/8	2068	700x35C	2168
20x1.95	1490	26x1-1/2	2100	700x38C	2180
20x1-1/8	1515	650C Tubular 26x7/8	1920	700x40C	2200
20x1-3/8	1565	650x20C	1938	700x42C	2224
22x1-3/8	1770	650x23C	1944	700x44C	2235
22x1-1/2	1785	650x25C 26x1(571)	1952	700x45C	2242
24x1.75	1890	650x38A	2125	700x47C	2268
24x2.00	1925	650x38B	2105	29x2.1	2288
24x2.125	1965	27x1(630)	2145	29x2.2	2298
24x1(520)	1753	27x1-1/8	2156	29x2.3	2326
24x3/4Tubular	1785	27x1-1/4	2101		

If you are unable to locate your tire size on this chart, you can use the method shown to the right to measure the tire diameter and calculate the tire circumference. Circumference = diameter x 3.14



**Initial Odometer Setting (Figure 4)**

When the Initial Value of Odometer setting mode is selected, press the Mode button to enter it. To adjust the selected figure, press the Mode button, and press the Set button to confirm your value and move to the next field. Press the Set button once finished with Initial Odometer Setting to move onto the Initial Time setting.

**Initial Time Setting (Figure 5)**

When the Initial Time setting mode is selected, press the Mode button to enter it. To adjust the selected figure, press the Mode button, and press the Set button to confirm your value and move to the next field. Value ranges from 0 to 9,999 hours. Press the Set button once finished with Initial Time setting to move onto Riders Weight setting.

**Riders Weight Setting (Figures 6, 7)**

When the Riders Weight setting mode is selected, press the Mode to set weight measurement unit (KG or LB) and press Set button to move to set weight. Use the mode button to adjust flashing number for weight, and press set to confirm and advance to next digit. The default weight is 65 KG, any value from 0 – 299 entered. Press Mode button to confirm value and enter into Clock setting mode.

**MAINTENANCE DISTANCE SETTING(Figure 8)**

IN MAINTENANCE DISTANCE mode, press the MODE button to change the number of digital, and press the SET button confirm and advance. The default weight is 200, and its ranges from 200 to 800KM. Press the MODE button to confirm and enter into CLOCK SETTING.

**Clock Setting (Figure 9)**

When "24" flashes in Clock mode, press Mode button to toggle between 12 and 24 hour time format. Press Set to confirm and move to Hour setting. Press Mode button to adjust flashing Hour value, and press Set to confirm and move to Minute setting. Press Mode button to adjust flashing Minute value, and press Set to confirm and enter into Date setting.

**Date Setting (Figure 10)**

In Year Setting mode, press Mode button to adjust year, then press Set button to confirm and move to Month Setting mode. In Month Setting mode, press Mode button to adjust month, then press Set button to confirm and move to Day Setting mode. In Day Setting mode, press Mode button to adjust the date, and press Set to move to Week Setting mode. In Week Setting mode, press Mode button to adjust week, and press Set to confirm and move to Distance Countdown Setting mode.

**Distance Countdown Setting mode (Figure 11)**

In Distance Countdown Setting mode, hold the Set button for 3 seconds, then use the Mode button to adjust the mileage value. Press Set again to move to the next value. Once correct value has been input, press Set button to confirm and return to Distance Countdown Setting mode.

**Time Countdown Setting mode (Figure 12)**

In Time Countdown Setting mode, hold the Set button for 3 seconds, then use the Mode button to adjust the Hour value. Press Set again to move to the Minute value. Once correct value has been input, press Set button to confirm and move to the Second value. Once correct value has been input, press Set button to confirm and return to Time Countdown Setting mode.

**Menu Cycle Setting mode (Figure 13)**

In Menu Cycle Setting mode, press the Set button for 3 seconds to enter Menu Cycle Setting. Press Set button again to enter Total Odometer Cycle Setting. When "Out" is flashing, it represents the Total Odometer withdrawn from the Cycle mode. Press the Mode button toggle "Join" mode. When "Join" is flashing, it represents the Total Odometer added to the Cycle mode. Press the Set button to confirm and enter into Trip Cycle Setting. Please see diagram on back for additional details. Panoramic Display mode may not be exited from this menu.

**Chainwheel / Flywheel Setting mode (Figure 14)**

In Cadence Gear Ratio mode, hold Set button for 3 seconds to enter into Flywheel Parameter Setting. The small digits at the top of the display represent the flywheel parameters. The number of the flywheel is displayed in descending order. If there is no flywheel, the display will show 0. The small digits at the lower part of the display represent the chainwheel parameters. The number of chainwheel is displayed in descending order; the display will show 0 if there is no chainwheel. Please see diagram on back for additional details.

**Panoramic Display Setting mode (Figure 15)**

In Panoramic Display Setting mode, hold Set button for 3 seconds to toggle Panoramic Display. When the digit on the first row is flashing, press the Mode button to adjust it. Press Set button to confirm and move on to the next row. Please see diagram on back for additional details.

**Menu Hidden Setting (Figure 44)**

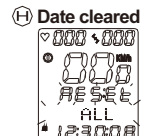
In any mode, hold the Mode button for 3 seconds to enter Menu Hidden mode. Press Set button to enter Hide Total Odometer setting. When "On" is flashing, the Total Odometer is shown. When "Off" is flashing, the Total Odometer is hidden. Please see diagram on back for additional details.

**Temperature Setting**

In Temperature Setting mode, hold Set button for 3 seconds to toggle between Celsius and Fahrenheit.

**Clear Signal Data**

In Clear Signal Data mode, hold Set button for 3 seconds to clear all signal data.



## FUNCTION DESCRIPTIONS

### SPEED (Current Speed)

The current speed is displayed on the screen at all times. It ranges from 0 – 99 KM/H or MPH, and is accurate to +/- 0.1 KM/H or MPH.

### TOTALODO (Total Odometer)

The Total Odometer will display all distance accrued while computer is active, ranging from 0.01 to 99,999 KMM. Hold the Set button for 3 seconds in this mode to adjust the parameter.

### DIST.DAY (Daily Distance)

The Daily Distance will display all distance accrued since last reset. It ranges from 0.01 to 99,999 KMM, and will reset to zero once the maximum value has been reached.

### AVGSPEED (Average Speed)

AVGSPEED displays the average speed of a single trip.

### MAXSPEED (Maximum Speed)

MAXSPEED displays the maximum speed reached during a single trip.

### RIDETIME (Riding Time)

RIDETIME displays the amount of time riding of a single trip, ranging from 0:00:00 to 99:59:59, and will reset to zero once the maximum value has been reached.

### TOT TIME (Total Time)

TOT TIME displays the total duration of a single trip. Hold the Set button for 3 seconds in this mode to adjust the parameter.

### TEMP (Temperature)

TEMP displays the current temperature, ranging from -20° C to 70° C, or -4° F to 158° F.

### MAX-TEMP (Maximum Temperature)

MAX-TEMP displays the maximum temperature of a single trip.

### MIN-TEMP (Minimum Temperature)

MIN-TEMP displays the minimum temperature of a single trip.

### TRIP DN (Trip Distance Countdown)

TRIP DN will count down from a specified distance at the beginning of a trip. If no value is provided, it will count down from zero instead.

### TIME DN (Trip Time Countdown)

TIME DN will count down from a specified time at the beginning of a trip. If no value is provided, it will count down from zero instead.

### STPWATCH (Stopwatch)

In STPWATCH mode, press Set button to start the timer. Press Set again to stop the timer, and press Mode to clear data.

### GEARRATIO (Gear Ratio)

GEARRATIO will display 3:1 or 8:1. 3:1 indicates that the chainwheel has a 3 fluted disc, while 8:1 indicates that the chainwheel has an 8 fluted disc, with ratio of the first chainwheel being recommended based on speed. Recommended cadence for flat terrain is 90, while recommended cadence for sloped terrain is 75. Reference Chainwheel/Flywheel setting from previous section for more information.

### AVG CAD (Average Cadence)

AVG CAD displays the average cadence of a single trip, in beats per minute. The Average Cadence is cleared when the date is reset.

### CAD (Current Cadence)

CAD displays the current cadence in the upper right corner of the screen, in beats per minute. When no cadence is detected, 000 will be displayed. If "Up" flashes, it is an indication that the current cadence is below the recommended level. If "Down" flashes, it is an indication that the current cadence is above the recommended level.

### MAX CAD (Maximum Cadence)

MAX CAD displays the maximum cadence of a single trip, in beats per minute. The Maximum Cadence is cleared when the date is reset.

### Heart Rate

The current Heart Rate is displayed in the upper left corner of the screen, in beats per minute. When there is no signal, the display will show 000. The Heart Rate symbol will flash when a heart rate is detected.

### MAX H/R (Maximum Heart Rate)

MAX H/R displays the Maximum Heart Rate of a single trip, in beats per minute. Maximum Heart Rate is cleared when the date is reset.

### AVG H/R (Average Heart Rate)

AVG H/R displays the Average Heart Rate of a single trip, in beats per minute. Average Heart Rate is cleared when the date is reset.

### CALORIE (Calories Expended)

CALORIE displays the total Calories Expended since the last reset, with a range of 0 – 9,999.9Kcal.

### FAT BURN (Fat Burned)

FAT BURN displays the total Fat Burned since the last reset, with a range of 0 – 9,999Kg.

### ALTITUDE (Altitude)

ALTITUDE displays the current altitude, calculated using barometric pressure. Please note that weather may impact barometric pressure, resulting in reading discrepancies depending on current conditions.

### HI-ALTIT (Highest Altitude)

HI-ALTIT displays the Highest Altitude of a single trip. The Highest Altitude is cleared when the date is reset.

### CLIMB HEIGHT

The amount of climb height in single trip, unit: meter. The climb height is cleared when the single date is clear.

### Clock (24H / 12H)

The time is displayed at the bottom of the display, except in Panoramic Mode.

### Date (Year, Month, Day, Week)

In sleep mode, the current date is displayed.

## AUXILIARY MODE AND FUNCTIONS

### Panoramic Display Mode

Panoramic Display Mode allows for the selection of up to three different functions to be displayed concurrently on the screen. Press Mode to customize which data will be displayed, and press Set to move on to the next display. First function is displayed by default, while second and third are hidden by default.

### Menu Cycle Mode

In Panoramic Display mode, press mode button to enter Menu Cycle Mode. All functions can be set to On or Off.

### Low Battery Indicator

If the voltage remaining is less than 2.7V, the Low Battery Indicator will flash as a reminder to change the battery.

### Remote Control

The wired remote control allows for access to the Mode button without removing your hand from the handlebar.

### Speed Comparison

The Speed Comparison displays your current speed in comparison to the average speed. When above average speed, the arrow will point upwards, and when below average speed, the arrow will point downwards.

### Menu Hidden Mode

Press and hold the Mode button to enter Menu Hidden Mode. The first page of the Panoramic Display cannot be hidden.

### Wireless Auto Wake-up

Shake the handlebar to disable Sleep Mode.

### Smart Backlight

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

### Maintenance Alert

When the Odometer value exceeds the set maintenance mileage, the Maintenance Alert indicator (wrench) will flash as a reminder that maintenance is necessary. Hold the Set button to clear the Maintenance Alert indicator.

## TROUBLESHOOTING

Error	Cause
No speedometer	Improper magnet/sensor alignment
Iranaccute value	Improper input, such as wheel circumference
Slow display response	Temperature exceeds operating limits (0° C to 55° C, or 32° F to 131° F)
Black screen display	Prolonged sunlight exposure
Weak screen display	Low battery strength
Irregular figures displayed	Remove and battery and reinstall after 10 seconds
No speed signal	Speed transmitter installed at incorrect angle Speed transmitted has low battery Speed transmitter does not sense magnet
No cadence signal	Cadence transmitter installed at incorrect angle Cadence transmitter has low battery Cadence transmitter does not sense magnet

The function mode and operation (If the mode is not displayed, enter the Blanking Settings menu and open it)

