

Cycle Computer-V1.23

Congratulations!

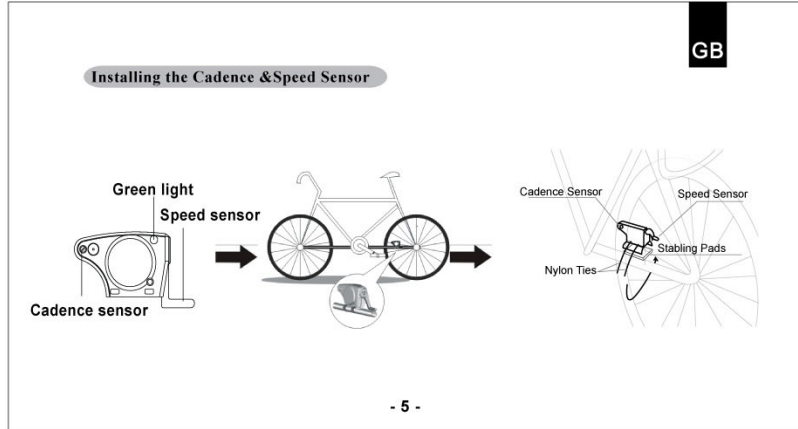
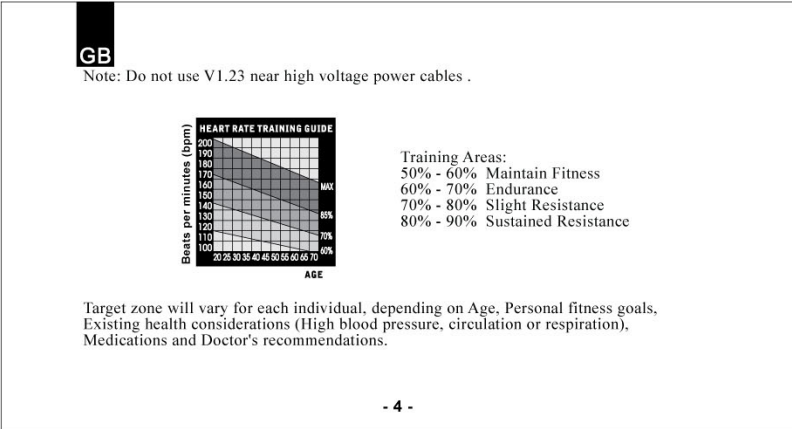
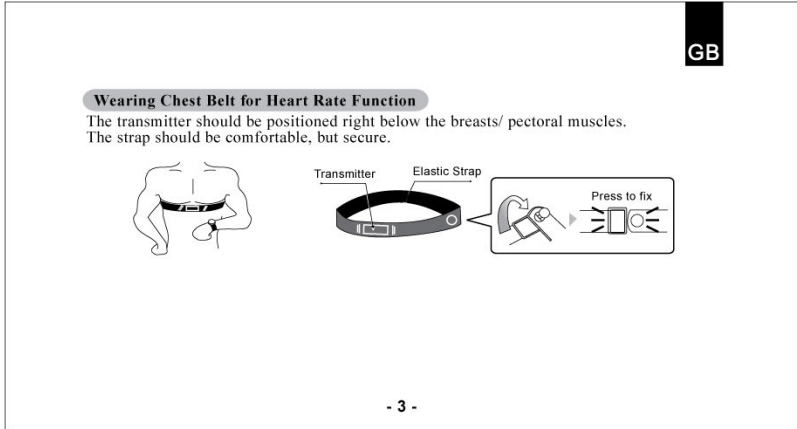
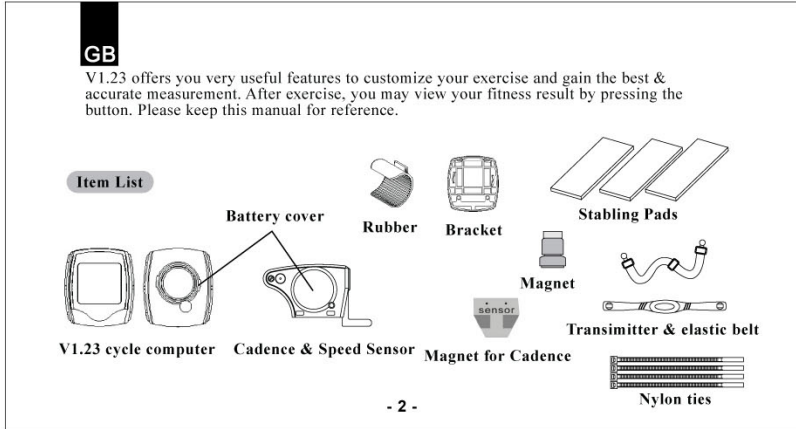
You have decided for a cycle computer to help you achieve your health & wellness. It gives you the true image of your exercise work, in precise way.

V1.23 is designed to give feedback required by the most discerning cyclists, in which it will all the functionality on one large easy to read display.

V1.23 is a premier cycle computer for your challenge ride. With the wireless technology, users can enjoy their cycling.

Before use V1.23, please read through the manual that guides you on how to operate it correctly & quickly.

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How to Setup Cycle Computer

1) Wheel Circumference

To get the accurate result from the device for speed value or other information, the wheel size should be correct. Mark the symbol on the tire and ride one circle. Then measure the length between two points to get the circumference. Or determine the wheel circumference by the following equation:

Circumference (mm) = 2π x 14xR (inch) x 2.54 (1 inch = 2.54 cm)

R=Radius in centimeter

2) Installing the Bracket

Use the rubber pad to tighten the bracket to the handlebar or stem.

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3) Installing the Cadence & Speed Sensor

Check the right side of the Chain Stay to find the suitable point to attach the Cadence & speed sensor.

The distance between cycle computer & the sensor would be in 150 cm.

4) Installing the Speed Magnet

Fit the Speed Magnet on the left spokes of the back wheel and must face the speed sensor.

Note: Turn the speed handle to adjust speed sensor.

The Max distance between speed sensor and Magnet should be within 1mm-5mm

5) Installing the Cadence Magnet

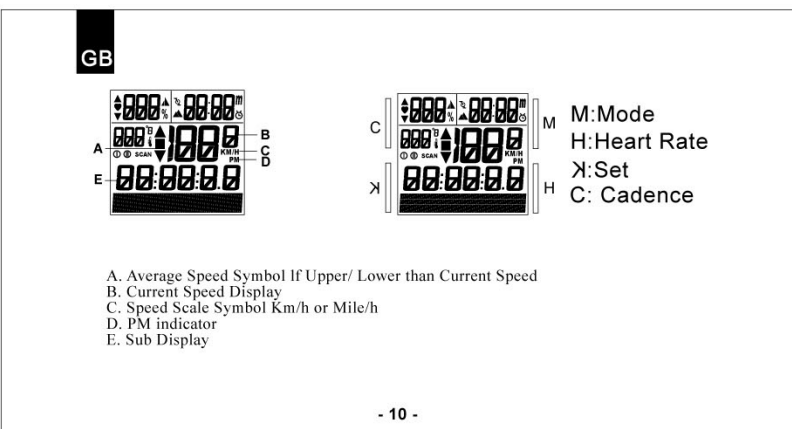
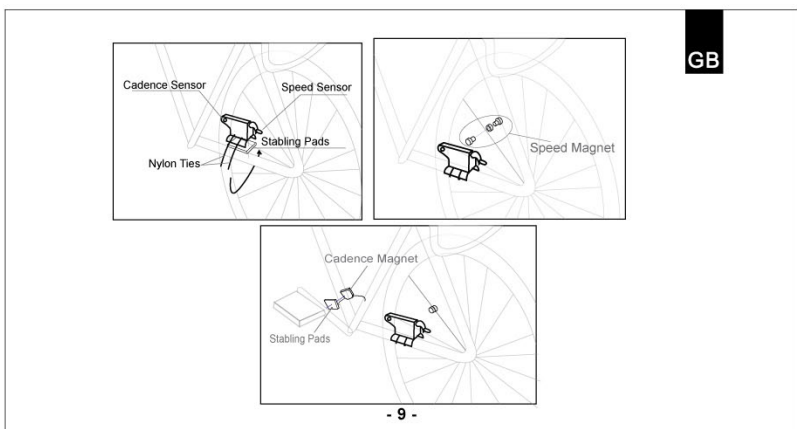
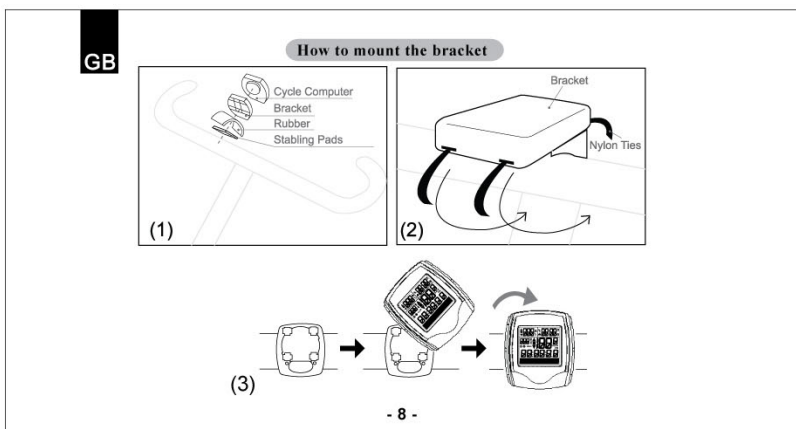
Place the Cadence Magnet on the Crank and must face Cadence Sensor

Note: The max distance between the Cadence sensor and Magnet should be within 5mm.

Please check green light on the Cadence & Speed sensor to make sure 2 functions operated normally before riding your bicycle.

Please check the sensor for green light also, initial flashing green light indicates the sensor detected magnet signals normally.

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Mode Change

Press Mode key shortly to change mode.

Main Mode Change (Press "M" key to switch each mode)

CLOCK MODE

TRIP TIME MODE

MAX. SPEED MODE

AVG. SPEED MODE (Average Speed Mode)

TRIP DIST. MODE (Trip Distance Mode)

ODO BIKE 1 MODE (Odometer Bike 1 Mode)

ODO BIKE 2 MODE (Odometer Bike 2 Mode)

TOT. ODO MODE (Total Odometer Mode)

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Heart Rate Mode

(Press "H" key to switch each mode)

HR TM MODE (Heart Rate Timer Mode)

PULSE MODE (Heart Rate over Zone Mode)

PULSE MODE (Heart Rate in Zone Mode)

PULSE MODE (Heart Rate below Zone Mode)

AVG. PULSE MODE (Average Heart Rate Mode)

MAX. PULSE MODE (Max. Heart Rate Mode)

Cadence Mode

AVG. CAD MODE (Average Cadence Mode)

MAX. CAD MODE (Max. Cadence Mode)

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OPERATION PROCESS

CLOCK MODE

Press and hold "SET" key for 3 seconds to set 12/24 hours.

Press "SET" key to adjust time (hour).

Press "MODE" key to set time (hour).

Press "MODE" key to go into setting minimum heart rate mode.

Then press and hold "MODE" key for 3 seconds when complete the setting to go back to Clock Mode

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Press "SET" key to adjust 12/24 hours.

Press "SET" key to adjust time (hour).

Press "SET" key to adjust time (minute).

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TRIP TIME MODE

It displays the user's trip time from the beginning to the current.

Press "MODE" key, it would change to Average Speed Mode.

Note:
Under Trip Time Mode, Avg. Speed Mode, Max. Speed Mode, Trip Dist. Mode, Avg. Cad. Mode, and Max. Cad. Mode, press and hold "SET" key for 3 seconds, the data returns to zero.

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Measure Mode

AVG. SPEED MODE

It displays the user's Average Speed from the beginning to the current point.

Note:
If the average speed is above/below current speed, the symbol of ▲ would show up.

Note:
If your time or distance is over the max. value (time: 29 hr:59 min:29sec) & (Distance: 999.99km), it will not be able to measure current average speed. The "Tri" shows on the display. Once the time and distance value has been reset, the average speed will show normally.

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MAX. SPEED MODE

It displays the user's Max Speed from the beginning to the current point.

TRIP DIST. MODE

It displays the user's trip distance from the beginning to the current point.

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ODO BIKE 1 MODE

It displays ODO for bike 1.

Press "MODE" key, it will change to ODO Bike 2 Mode.

ODO BIKE 2 MODE

It displays ODO for bike 2.

Press "MODE" key, it will change to TOT ODO Mode.

Press and hold "SET" key for 3 seconds, it will change to Wheel Size Mode.

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TOT. ODO MODE (Total Odometer Mode)

It displays the total odometer of bike 1 + bike 2

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WHEEL SIZE MODE

Set the wheel size from 100mm to 2,999mm.

Press "SET" key to select Km/h or Mile/h.

Press "MODE" key to set the wheel size.

Press "MODE" key, it displays the wheel size in ODO Bike 1 Mode.

Press "MODE" key, the user can change Languages under Languages Mode.

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Press "SET" key, it will change the unit from "KM/H" to "M/H".

Press "SET" key to adjust wheel size.

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Press "SET" key, it will display the wheel size in ODO Bike 2 Mode.

In wheel 1 or II, Press MODE key to change °C/°F.

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Press "SET" key, it displays the current language setting mode (English is the default).

Press "SET" key to switch to other 4 languages mode.

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Heart Rate Mode

HRSTW MODE (Heart Rate Stopwatch Mode)

Press "Heart Rate" key, it displays the time in target zone.

Press "Heart Rate" key, it displays the time over target zone.

Press "Heart Rate" key, it displays the time below target zone.

Press "Heart Rate" key, it displays the average heart rate.

Press "Heart Rate" key, it displays max. heart rate.

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How to setup HR Target Zone

Press and hold "SET" key for 3 seconds into setting maximum heart rate mode.

Press "SET" key to adjust the maximum heart rate setting.

Press "MODE" key to go into setting minimum heart rate mode.

Press "SET" key to adjust the minimum heart rate setting.

Press and hold "MODE" key for 3 seconds, it will go back to the time in target zone.

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Cadence Mode

Under Cadence Mode, it displays Average Cadence.

Press "Cadence" key, it displays Max. Cadence.

Press "Cadence" key, it will back to Average Cadence Mode.

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Speed, Heart Rate, Cooled Scan

The main purpose of ID Scan is to pair up the cycle computer to its speed/cadence sensor or chest belt as well as to prevent signals and cross talk from other cycle computers. Each cycle computer set has been pre-ID Scan right after its produced, so the users do not necessarily need to run ID-Scan after their purchase. The users would need to run ID-Scan as if additional speed/cadence sensor, chest belt are being replaced or purposed for second bike use.

Note: The Bike1&Bike2 can coordinate with one individual code from one speed sensor or two individual codes with additional speed sensor, chest belt respectively.

Under any mode, press and hold "M" key and "A" key together for 6 seconds to go into SCAN mode until "SPIDCAD ID" display.

Press "Set" key to start to scan speed sensor ID, when the percentage of "Q SCAN" shows 100% means scan completed.

After completed "Q SCAN", V1.23 will automatically start to scan chest belt ID, when the percentage of "P SCAN" shows 100% means scan completed. (Please note that chest belt and speed sensor have to be in wake up mode).

Note: During ID Scan process, press and hold "M" key to return to another mode.

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If "Err" sign shows on the display when scan completed, it means ID scan failure.

The user can press "Set" key again to scan again, or press "Mode" key to return Scan mode.

The mode returns to Clock mode after 30 seconds automatically.

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*With advanced technology, V1.23 already keep ID code and the value of ODO bike1, bike2 and Total ODO in the memory even after the user change battery. The user do not need to set the last value of ODO BIKE1 and ODO BIKE 2.

*The users would only need to run ID Scan if additional speed sensor, chest belt are being replaced or purposed for second bike uses.

How to make default settings

Under clock mode, press and hold all key (H, M, S, A) at same time for 6 seconds until all the value return to default.

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MAINTENANCE

V1.23 cycle computer

If the display contrast changes and figures become faint, it's time to replace the battery. Consider changing the computer sensor and transmitter batteries at the same time.

Note:
Do not expose V1.23 computer to extremely cold or hot temperatures i.e. don't leave your unit in direct sunlight for extended periods of the time.

Sensor

Check the position of sensor and magnet periodically. For correct measurement, the sensor, magnet should not get wet, rust, or otherwise it may cause function error.

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Bracket/Magnet/Sensor band

The above items can be rinsed in surface fresh water or washed with a mild soap.

Transmitter

Never scrap the rubber electrode surface. The first signs of a worn out transmitter often causes abnormal display for heart rate monitor, whose figure will jump up and down quickly. To extend the life, avoid bending the electrodes.

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Battery replacement

V1.23 cycle computer

Unscrew the back cover. The (+) side should be facing up. Gently remove the battery and replace it with a new battery model C/2032.

Sensor

Unscrew the back cover. The (+) side should be facing up. Gently remove the battery and replace it with a new battery - model C/2032.

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BATTERY BUSHODDING

Q1. Display is black or very light:

The battery power may be low. Try a new battery and make sure the battery is properly installed correctly.

Q2. Display becomes dark or black:

The unit is too hot. Place the unit in a shaded area, and it should return to normal.

Q3. The unit operates slowly or struggled:

The unit is too cold. Warm the unit, and it should return to normal.

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Q4. Data in display varies enormously:

Check your surroundings for electro magnetic or high energy interference and move away from the source of interference.

Q5. Data in display shows slowly:

The battery power may be affected by low temperature factor but it should not influence the function reading. When the temperature rises, the data reading should return to normal.

Q6. Current speed does not appear

If user be caused by the following situation: the improper distance & position between magnet and sensor. Re-set up or adjust the distance unit positioned at an applicable range.

Q7. Heart rate varies enormously:

Make sure your chest belt fits securely and is properly positioned at the center of the chest. Check your surroundings for electromagnetic or high power apparatus and move away from the source of interference.

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SPECIFICATIONS

	Receiver	Transmitter & belt	Speed Sensor
Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C
Storage Temperature	-10°C - 50°C	-10°C - 50°C	-10°C - 50°C
Emitted Frequency	N/A	2.4GHz±10%	2.4GHz±5%
Battery	3 volt lithium 2032 cell	3 volt lithium 2032 cell	3 volt lithium 2032 cell
Weight	30.6 grams	65 grams±5% (including belt)	20 grams

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Stopwatch Range: 0-29 (hour): 59 (minute): 59 (Second)
Accuracy: 1/100 seconds

Timer Range: 0-29 (hour): 59 (minute): 59 (Second)

Current Speed Range: 0-99.9 KM/0-62 Mile

Max Heart Rate Range: 30-240 bpm

AVG Heart Rate Range: 30-240 bpm

AVG Speed Range: 0-99.9 KM/0-62 Mile

MAX Speed Range: 0-99.9 KM/0-62 Mile

(Trip) Distance Range: 0-999.99 KM/0-600 Mile

Odometer Range: 0-99999 KM/0-62000 Mile

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LIMITED WARRANTY

This product is for three years limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for three years from the date of purchase.

Warranty does not cover the batteries, damages due to misuse, abuse or accidents, cracked or broken cases, negligence of precautions, improper maintenance or commercial use.

Warranty is void if the repairs are done by non authorized service technician.

The warranties contained herein are expressly in lieu of any other warranties including implied warranty of merchantability and/or fitness for purpose. In no event shall manufacturer be liable for any damages, direct or incidental, consequential or special, arising out of or related to the use of this manual or the products described herein.

During this warranty period (three years) the product will either be repaired or replaced without charge.

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Important Health Notice!

Please read over the following information before using the Cycle Computer.

Never use the cycle computer in combination with other medical/implanted electronic equipment and device (especially heart pacemakers, EKG equipment, TENS equipment, cardio-pulmonary machines and pacemaker).

If you are severely ill or pregnant, please consult your doctor before using cycle computer.

Keep this device away from children. It contains batteries, which might be swallowed by children.

As with most electronic receiving devices, there can sometimes be interference that causes inaccurate display readings. Avoid using your cycle computer near common sources of interference. These include high voltage power lines, air conditioning motor units, fluorescent lights, wristwatches, mobile, and computers.

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Wheel Size Chart

Inch Size	Length	Inch Size	Length
14 x 1.50	1020	24 x 1.75	1905
14 x 1.75	1055	24 x 1.75	1880
16 x 1.50	1185	24 x 2.00	1925
16 x 1.75	1195	24 x 2.125	1965
18 x 1.50	1340	26 x 1.78	1920
18 x 1.75	1350	26 x 1.59	1913
20 x 1.75	1515	26 x 1.65	1952
20 x 1.78	1615	26 x 1.25	1953
20 x 1-1/8	1770	26 x 1-1/8	1970
22 x 1-1/2	1785	26 x 1-1/8	2068
24 x 1	1753	26 x 1-1/2	2100
24 x 3/4 Tubular	1785	26 x 1.40	2005
24 x 1-1/8	1795	26 x 1.50	2010

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Inch Size	Length	Inch Size	Length
26 x 1.75	2023	600 X 388	2105
26 x 1.95	2050	700 X 18C	2070
26 x 2.00	2055	700 X 19C	2080
26 x 2.10	2068	700 X 20C	2085
26 x 2.125	2070	700 X 23C	2096
26 x 2.35	2083	700 X 25C	2105
26 x 3.00	2170	700 X 26C	2136
27 x 1	2145	700 X 30C	2170
27 x 1-1/8	2155	700 X 32C	2155
27 x 1-1/4	2161	700C Tubular	2130
27 x 1-3/8	2160	700 X 35C	2168
650 X 35A	2090	700 X 38C	2180
650 X 38A	2125	700 X 40C	2200

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