

Cycle Computer-V1.16

Congratulation!

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.

V1.16 is designed to give feedback required by the most discerning cyclists, in which is with all the functionality on one large easy to read display.

V1.16 is a premier cycle computer for your challenge ride. With the wireless technology, users can enjoy their cycling.

Before use V1.16, please read through the manual that guides you on how to operate it correctly & quickly. V1.16 offers you very useful features to customize your exercise.

V1.16 offers you very useful features to customize your exercise and gain the best & accurate measurement. After exercise, you may view your fitness result by pressing the button. It would be better to keep this manual for reference.

Item List

Battery cover, Magnet, 30x15mm Stabling Pads, Bracket, Rubber, Nylon ties, V1.16 cycle computer, Sensor.

How to fit the bracket

How to Use it as Cycle Computer

1) Wheel Circumference

To get the accurate result, the wheel size should be correct. Mark the symbol on the tire and ride one circle. Then measure the length between two points that result comes out. Or you can get wheel circumference by the following equation:

Circumference (Ccm) = 2x3.14xR (inch) x2.54
 (1 inch = 2.54 cm)
 R=Radius in centimeter

2) Installing the Bracket

Use the rubber pad tightens the bracket to the handlebar stem.

3) Installing the Speed Sensor

Check the position of the front fork to find the suitable point to attach the speed sensor. The distance between cycle computer & the speed sensor would be in 60 cm.

4) Installing the Magnet

Put the magnet on the right spokes of the front wheel and must face the speed sensor. The max distance between the speed sensor and the spoke magnet should be 5 mm. Once above items in the right position, you may go for a ride.

Note: Please check the handlebar that can be operated normally can be operated normally before riding your bicycle.

M: Mode
L: Lap
X: Set
⊛: Start/ Stop

A. Average Speed Symbol If Upper/ Lower Current Speed
 B. Current Speed Display
 C. Speed Scale Symbol Km/h or Mile/h
 D. FM indicator
 E. Sub Display

Mode Change

Press Mode key shortly to change mode.

1) CLK MODE (Clock Mode) 6) DST Mode (Distance Mode)
 2) STW Mode (Stopwatch Mode) 7) ODOMETER 1 Mode (MODE)
 3) TM Mode (Timer Mode) 8) ODOMETER 2 Mode (MODE)
 4) AV SPD Mode (Average Speed Mode) 9) TOTAL ODOMETER Mode (MODE)
 5) MX SPD Mode (Maximum Speed Mode)

LAP Mode (when V1.16 has no any LAP datum)

OPERATION PROCESS

Functional Set
 CLK MODE (Clock Mode)

Hold SET key for 3 seconds to select 12/24H; press SET to change 12H/24H

STOPWATCH Mode

Under STOPWATCH Mode, it shows the KM/ H, Temperature, and Stopwatch Press ST/SP (START/STOP) key to start with LAP function Press LAP key to change LAP 01 ... LAP 20

Please note: when LAP has 20 records in the memory, the LAP stops to record, the Stopwatch will run continuously.

When Stopwatch run to 29 hr: 59 min: 59 sec, the stopwatch will stop to run, the figure will be flashed, until the record clean.

Hold ST/SP (START/STOP) key for 2 seconds to clear the stopwatch data. The screen will return to the main screen shortly.

How to read LAP data (when V1.16 has at least 1 LAP record) LAP key is working under Stopwatch function only

When Stopwatch is running, press LAP key to record distance and average speed for each lap. When Stopwatch stop, the user can press LAP key to view the record for each lap. The user can read each LAP distance and average speed by pressing LAP key.

Under LAP 1 AVERAGE Mode, press LAP key to view LAP 2 record. Under the last Lap record, for instance LAP 20 AVS, press LAP key to return to Lap 1 record. Press and hold START/STOP key for 2 second to clean LAP record. Press MODE key to return main screen.

Please Note: The interval time for each lap should be at least 5 seconds.

The unit of LAP AVG is second. The maximum of Stopwatch is 29:59:59, and the maximum distance is 999.99 KM, the screen will flash and stop to count.

The error of LAP AVG SPD will be large, when shorter time period of one lap.

TIMER Mode

In TIMER Mode, it shows the KM/ H, Temperature, and Timer Auto Timer would operate automatically when there is motion. Hold SET key 3 seconds to clear the Timer data

To display user's Average Speed from the beginning to the current speed.

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: 59 sec) & (Distance: 999.99km). It will not allow to measure correct average speed and show "Err" on the display. Once the time & distance value has been reset, the average speed will show normally.

MX SPD MODE (Maximum Speed Mode)

To display user's Maximum Speed from the beginning to the current speed.

DIST MODE

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

ODOMETER/ TOTAL ODOMETER Mode

In ODOMETER/ TOTAL ODOMETER Mode, it shows the KM/ H, Temperature, and ODOMETER/ TOTAL ODOMETER Under ODOMETER/ TOTAL ODOMETER Mode, press MODE key to change ODO 1/ ODO 2/ TOT ODO

Under ODO mode, hold SET key 3 seconds, the user can set KM/ H or M/H (Mile/H), Wheel I/ II, Wheel Size, °C/ °F Press MODE key to change KM/ H, Wheel I/ II, Wheel Size, °C/ °F

Note: In °C/ °F screen, press MODE Key to return to the KM/H

Under Wheel I or II, press MODE key to change °C/ °F

Press SET key to set KM/ H, Wheel I/ II, Wheel Size, °C/ °F

Under Wheel I or II screen, Press SET key to SET Wheel Size
 Under °C/ °F screen, press SET key to set °C/ °F
 Under °C/ °F screen, hold MODE key 3 seconds to TOTAL ODOMETER MODE

MAINTENANCE

Battery life: CR2032 x1 / approx. 10 months (when using 1 hour/day)

ATTENTION: At a break during your ride the receiver will be switched off after 30 minutes (battery consumption). Before continuing your ride you need to switch on the Computer again, press MODE button.

V1.16 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 V1.16 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 current measurement, the sensor, magnet should not get wet/ rust, otherwise it may cause function error.

Bracket/Magnet/Sensor band

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

Battery replacement

V1.16 computer:
 Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery model CR2032, the (+) side facing up.

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 Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery - model CR2032, the (+) side facing up.

Warning: All the datas will be lost when the battery replaced!

TROUBLESHOOTING

Q1. Display is black or very light:
 The battery power may be low. Try a new battery to make sure the battery is installed correctly.

Q2. Display becomes dark or hazy:
 The unit is too hot. Place the unit in a shaded area, and it will return to normal.

Q3. The unit operates slowly or struggled:
 The unit is too cold. Warm the unit, and it will return to normal.

Q4. Date 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 unit may be affected by low temperature factor but it didn't influence the function reading. When the temperature rises, the data reading/ which will back to the normal.

Q6. Current speed does not appear
 It may be caused by the following situation: the distance & position between magnet and sensor to adjust.

SPECIFICATIONS

	Receiver	Speed Sensor
Operating Temperature	0°C - 40°C	0°C - 40°C
Storage Temperature	-10°C - 50°C	-10°C - 50°C
Emitted Frequency	N/A	122KHz ±5%
Battery	3 volt lithium 2032 cell	3 volt lithium 2032 cell
Weight	30.6 grams	20 grams

Stopwatch Range:	0-9 (hour); 59 (minute); 59 (Second)
Accuracy 1/100 seconds	
Timer Range:	0-9 (hour); 59 (minute); 59 (Second)
Current Speed Range:	0-99.9 KM/ 0-62 Mile
Average Speed Range:	0-99.9 KM/ 0-62 Mile
Maximum Speed Range:	0-99.9 KM/ 0-62 Mile
(Trip) Distance Range:	0-999.99 KM/ 0-600 Mile
Odometer Range:	0-9999.9 KM/ 0-6200 Mile

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.

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

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 pacemakers).

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.

Distance and Angle for Receiver

Wheel Size Chart

Tire Size (mm)	Tire Scale (mm)	Wheel Size (mm)	
14 x 1.50	1020	26 x 1.75	2023
14 x 1.75	1055	26 x 1.95	2050
16 x 1.50	1165	26 x 2.00	2055
16 x 1.75	1195	26 x 2.10	2068
18 x 1.50	1340	26 x 2.125	2070
18 x 1.75	1350	26 x 2.35	2083
20 x 1.75	1515	26 x 3.00	2170
20 x 1.90	1615	27 x 1	2145
20 x 1.95	1670	27 x 1-1/8	2161
22 x 1-1/2	1785	27 x 1-1/4	2161
24 x 1	1753	27 x 1-3/8	2169
24 x 1-1/8	1785	650 x 35A	2090
24 x 1-1/8	1795	650 x 38A	2125
24 x 1-1/4	1905	650 x 38B	2105
24 x 1-1/4	1980	700 x 1.8C	2070
24 x 2.00	1925	700 x 1.8C	2080
24 x 2.125	1965	700 x 2.0C	2086
26 x 1.75	1920	700 x 2.2C	2106
26 x 1.85	1913	700 x 2.3C	2106
26 x 1.95	1952	700 x 2.5C	2136
26 x 1.95	1970	700 x 3.0C	2170
26 x 1.95	1970	700 x 3.3C	2155
26 x 1.98	2068	700 x 3.8C	2130
26 x 1.98	2068	700 x 3.8C	2168
26 x 1.40	2005	700 x 3.8C	2180
26 x 1.50	2010	700 x 4.0C	2200