CATEYE
STRADA SLIM

CYCLOCOMPUTER
CC-RD310W

This model comes with a sensor inspired by modern road bikes.
It may not be used for bikes with a large space between the front fork and spoke.

Before using the computer, please thoroughly read this manual and keep it for future reference.
Please visit our website, where detailed instructions with movies are available and the instruction manual can be downloaded.

⚠ Warning / Caution

- Do not concentrate on the computer while riding. Ride safely!
- Install the magnet, sensor, and bracket securely. Check these periodically.
- If a child swallows a battery, consult a doctor immediately.
- Do not leave the computer in direct sunlight for a long period of time.
- Do not disassemble the computer.
- Do not drop the computer to avoid malfunction or damage.
- When you press the **MODE** button with the computer installed to the bracket, press around the dot section on the surface of the computer. Pressing strongly the other section may result in malfunction or damage.
- When cleaning the computer, bracket and sensor, do not use thinners, benzene, or alcohol.
- Risk of explosion if battery is replaced by an incorrect type.
  Dispose of used batteries according to local regulations.
- LCD screen may be distorted when viewed through polarized sunglass lenses.

Wireless Sensor

The sensor was designed to receive signals within a maximum range of 60 cm, to reduce chance of interference.
When adjusting the wireless sensor, note the following:

- Signals cannot be received if the distance between the sensor and the computer is too large.
- The receiving distance may be shortened due to low temperature and exhausted batteries.
- Signals can be received only when the back of the computer is facing the sensor.

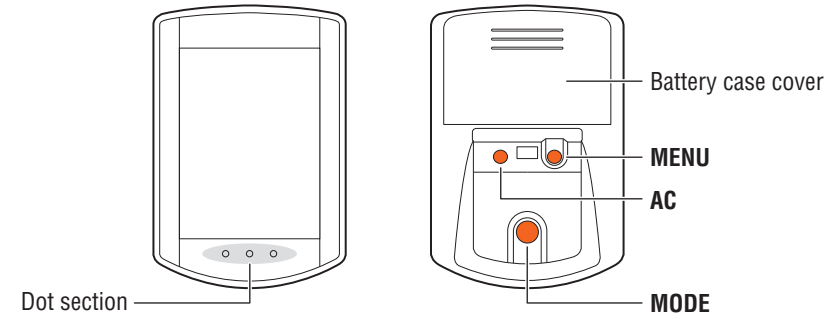
Interference may occur, resulting in incorrect data, if the computer is:

- Near a TV, PC, radio, motor, or in a car or train.
- Close to a railroad crossing, railway tracks, TV stations and/or radar base.
- Using with other wireless devices, or some particular battery lights.

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 interference received, including interference that may cause undesired operation.

Modifications
The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by CatEye Co., Ltd. May void the user 's authority to operate the equipment.

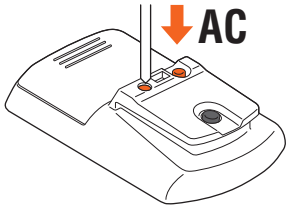
Hereby, CATEYE Co., Ltd., declares that this CC-RD310W is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



Perform the All Clear operation, when you use the unit for the first time or restore the unit to the condition checked at the factory.

1 Clear all data (initialization)

Press the **AC** button on the back of the computer.

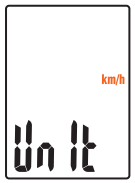


2 Select the speed units

Select "**km/h**" or "**mph**".

MODE **km/h ↔ mph**

MENU Register the setting



3 Enter the tire circumference

Enter the front wheel tire circumference of your bicycle in mm.

* Refer to the "Tire circumference reference table" as a guide.

MODE Increase the value

MODE Move digits (Press & hold)

MENU Register the setting

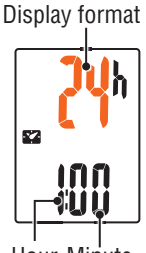
4 Set the clock

Pressing and holding the **MODE** button switches the display to "Displayed time", "Hour", and "Minute" in order.

MODE **12h ↔ 24h** or increases the value

MODE Display format Switching "Hour" and "Minute" (Press & hold)

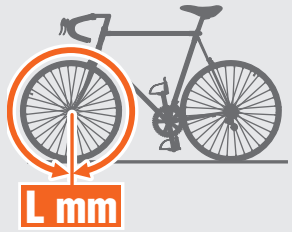
MENU Register the setting (Finish)



Tire circumference

There are the following ways to determine the tire circumference.

- **Measure the tire circumference (L)**
  Measure the distance when the tire turns right round with your weight applied, while adjusting the tire pressure appropriately.



- **Refer to the tire circumference reference table**

* Generally, the tire size or ETRTO is indicated on the side of the tire.

ETRTO	Tire size	L (mm)
47-203	12x1.75	935
54-203	12x1.95	940
40-254	14x1.50	1020
47-254	14x1.75	1055
40-305	16x1.50	1185
47-305	16x1.75	1195
54-305	16x2.00	1245
28-349	16x1-1/8	1290
37-349	16x1-3/8	1300
32-369	17x1-1/4(369)	1340
40-355	18x1.50	1340
47-355	18x1.75	1350
32-406	20x1.25	1450
35-406	20x1.35	1460
40-406	20x1.50	1490
47-406	20x1.75	1515

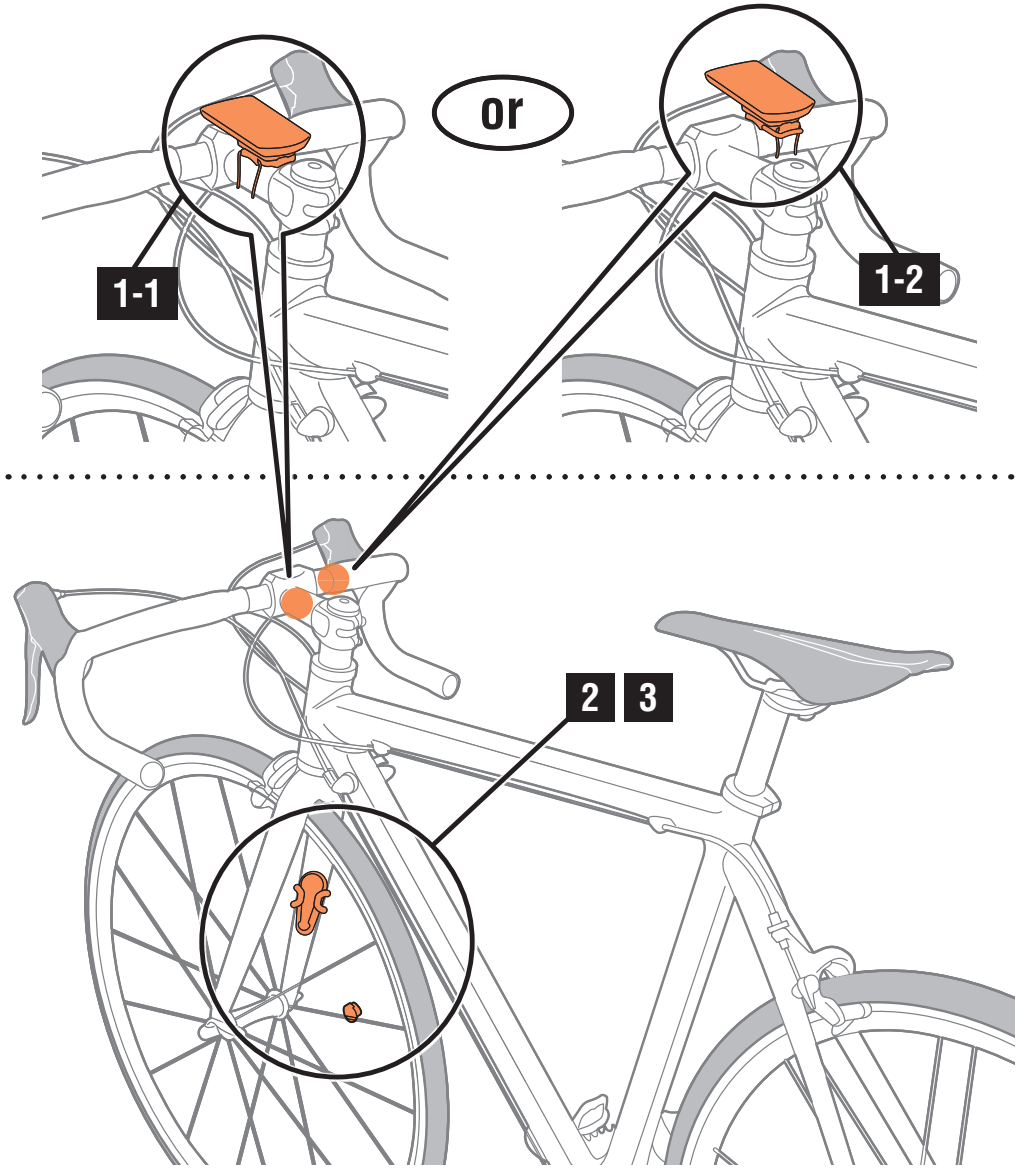
ETRTO	Tire size	L (mm)
50-406	20x1.95	1565
28-451	20x1-1/8	1545
37-451	20x1-3/8	1615
37-501	22x1-3/8	1770
40-501	22x1-1/2	1785
47-507	24x1.75	1890
50-507	24x2.00	1925
54-507	24x2.125	1965
25-520	24x1(520)	1753
	24x3/4 Tubular	1785
28-540	24x1-1/8	1795
32-540	24x1-1/4	1905
25-559	26x1(559)	1913
32-559	26x1.25	1950
37-559	26x1.40	2005
40-559	26x1.50	2010

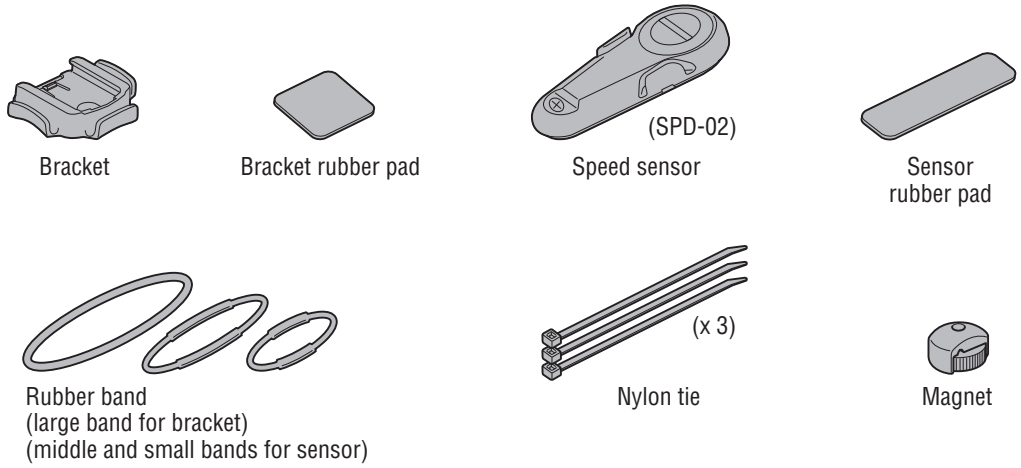
ETRTO	Tire size	L (mm)
47-559	26x1.75	2023
50-559	26x1.95	2050
54-559	26x2.10	2068
57-559	26x2.125	2070
58-559	26x2.35	2083
75-559	26x3.00	2170
28-590	26x1-1/8	1970
37-590	26x1-3/8	2068
37-584	26x1-1/2	2100
	650C Tubular 26x7/8	1920
20-571	650x20C	1938
23-571	650x23C	1944
25-571	650x25C 26x1(571)	1952
40-590	650x38A	2125

ETRTO	Tire size	L (mm)
40-584	650x38B	2105
25-630	27x1(630)	2145
28-630	27x1-1/8	2155
32-630	27x1-1/4	2161
37-630	27x1-3/8	2169
40-584	27.5x1.50	2079
50-584	27.5x1.95	2090
54-584	27.5x2.1	2148
57-584	27.5x2.25	2182
18-622	700x18C	2070
19-622	700x19C	2080
20-622	700x20C	2086
23-622	**700x23C**	**2096**
25-622	700x25C	2105
28-622	700x28C	2136
30-622	700x30C	2146

ETRTO	Tire size	L (mm)
32-622	700x32C	2155
	700C Tubular	2130
35-622	700x35C	2168
38-622	700x38C	2180
40-622	700x40C	2200
42-622	700x42C	2224
44-622	700x44C	2235
45-622	700x45C	2242
47-622	700x47C	2268
54-622	29x2.1	2288
56-622	29x2.2	2298
60-622	29x2.3	2326

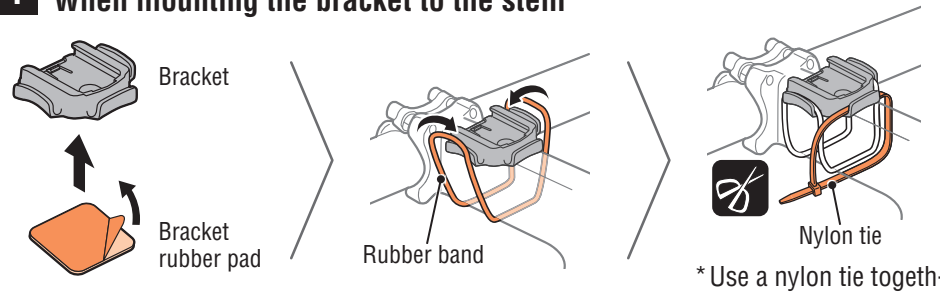
Refer to the Quick Start Manual, where you can learn how to install the unit in detail using a movie.
http://www.cateye.com/products/detail/CC-RD310W/manual/





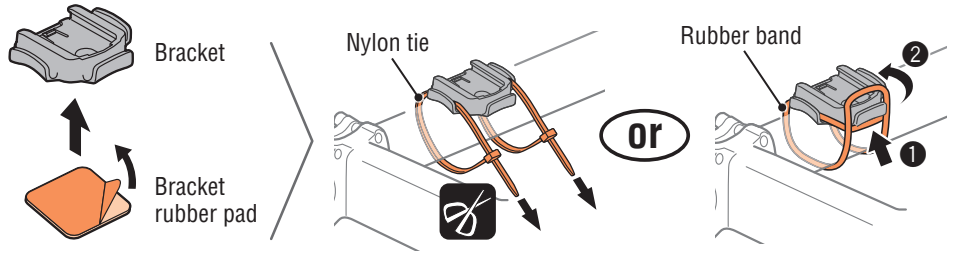
Attach the bracket to the stem or handlebar

1-1 When mounting the bracket to the stem



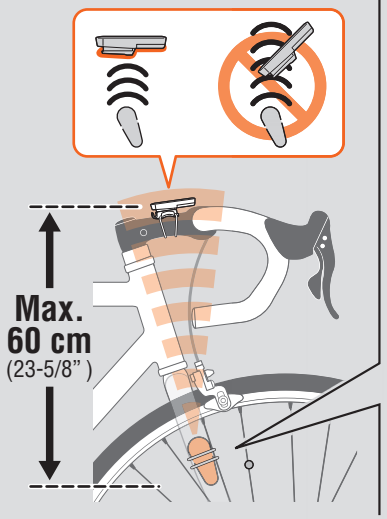
* Use a nylon tie together to fix it firmly.

1-2 When mounting the bracket to the handlebar

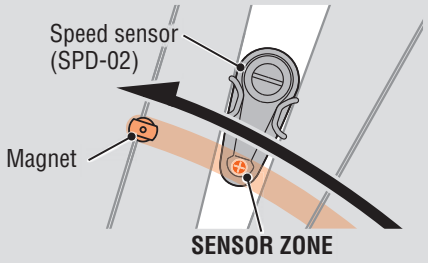


Install the sensor and magnet in a position where the following conditions are satisfied.

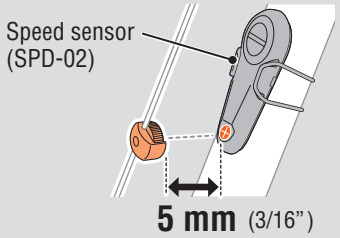
A The distance from the computer to the sensor is within the transmission data length, and the back of the computer faces downward.



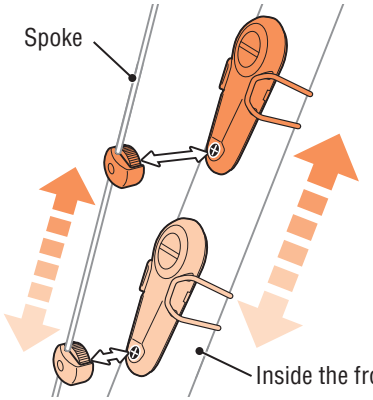
B The magnet passes through the sensor zone of the speed sensor.



C The clearance between the sensor surface and the magnet is within 5 mm.

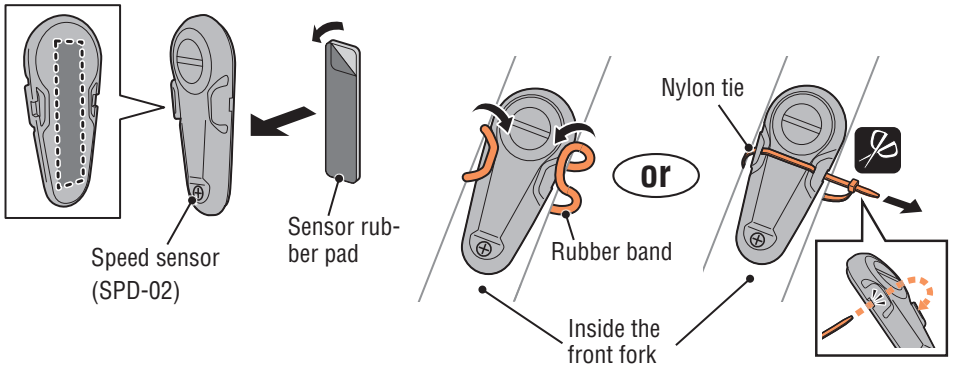


Check the mounting position of the sensor and magnet

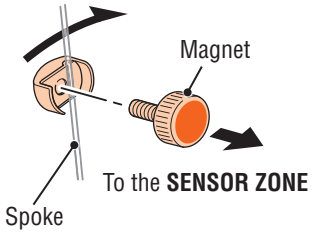


Get an estimate of the mounting position where the clearance between the magnet surface and sensor zone is 5 mm or less, by sliding up and down the sensor and magnet before mounting.

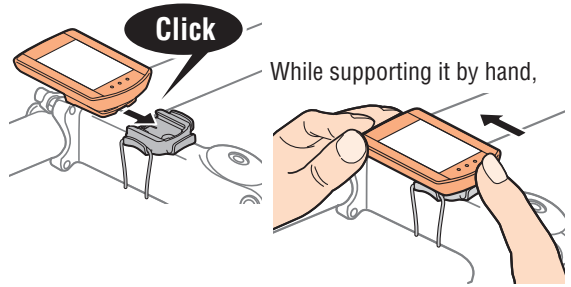
2 Install the sensor



3 Install the magnet

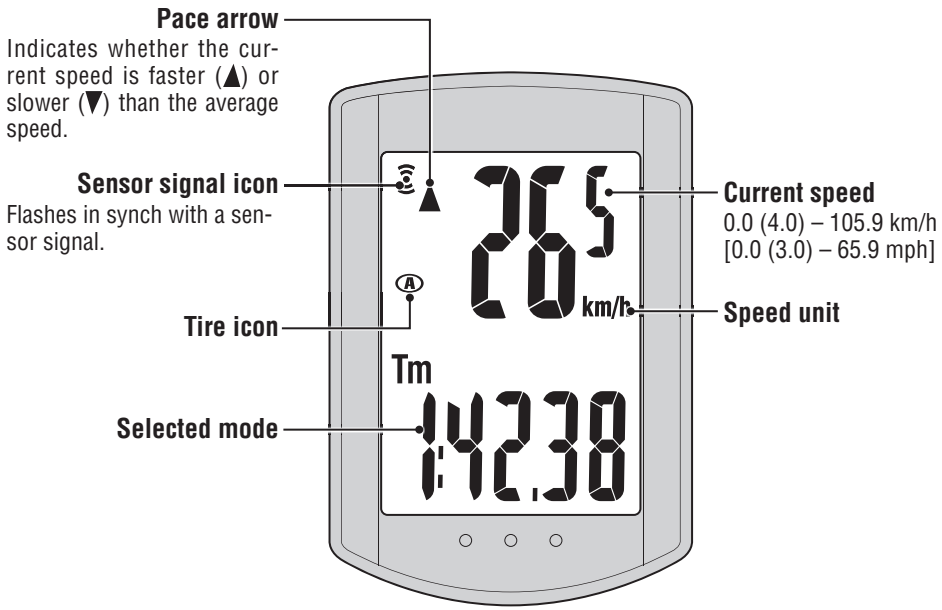


4 Remove/Install the computer

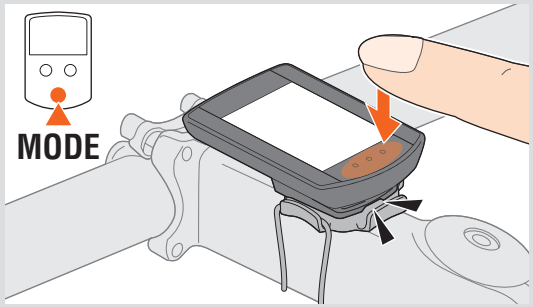


Positioning and testing

Adjust the sensor magnet so that the conditions of **A**, **B**, **C** are satisfied, and then check the operation by turning the front wheel slowly.



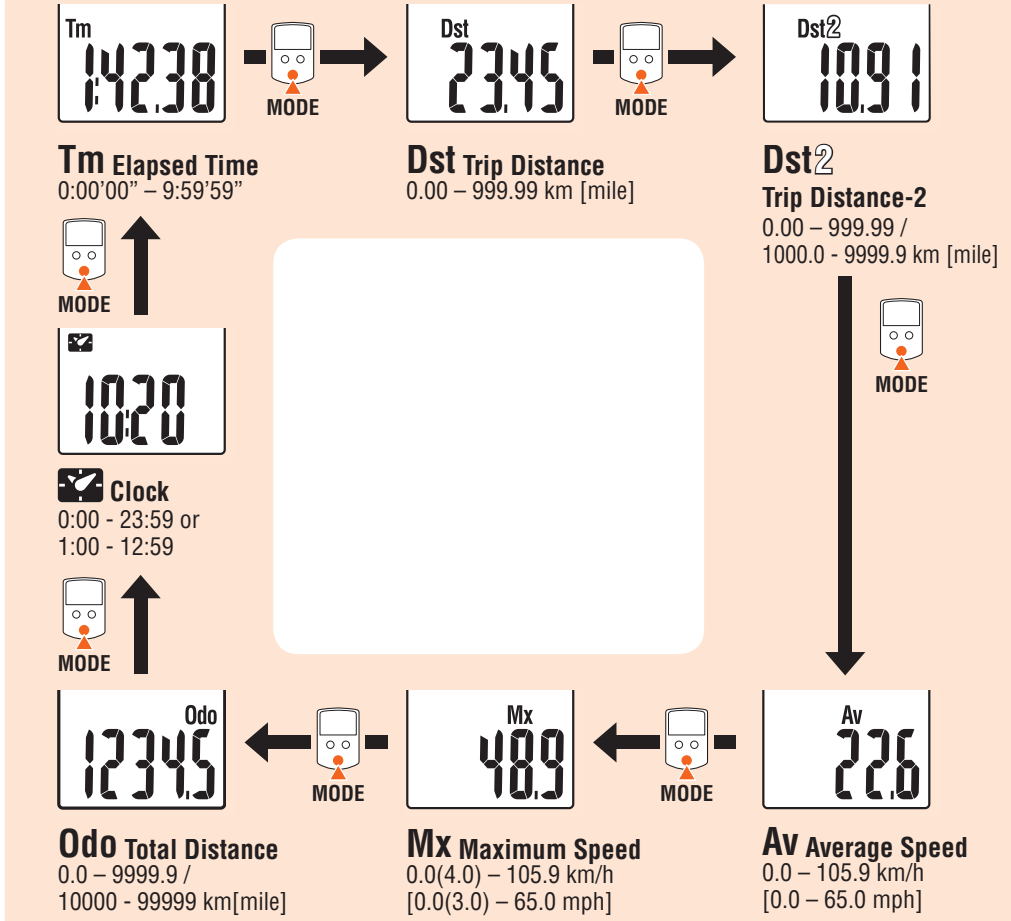
MODE operation when the computer is mounted on the bracket



When the computer is mounted on the bracket, once you press the dot section on the unit, the **MODE** button is pressed.

Switching computer function

Pressing the **MODE** button switches the selected data at the bottom in the order shown in the following figure.



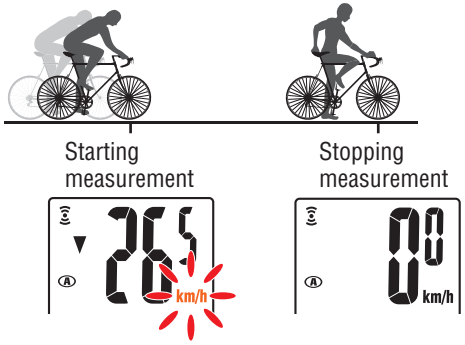
MENU Pressing **MENU** on the measurement screen changes to the menu screen. Various settings can be changed on the menu screen.

* The average speed displays **.E** instead of the measurement value, when **Tm** exceeds about 27 hours or **Dst** exceeds 999.99 km. Reset the data.

To “Changing the computer settings [Menu screen]” (page 7)

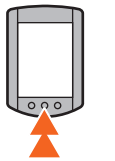
Starting / Stopping measurement

The unit automatically measures according to the movement of your bicycle.
The speed unit (**km/h** or **mph**) flashes during measurement.



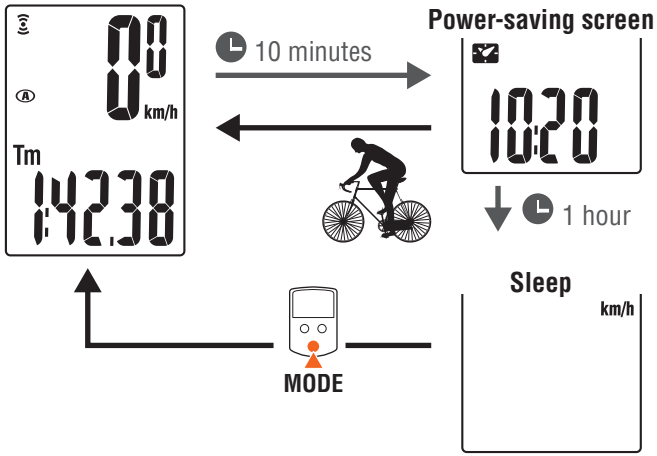
Resetting data

With the data other than **Dst2** displayed, pressing and holding the **MODE** button returns the measurement data to 0.
With **Dst2** displayed, pressing and holding the **MODE** button returns only **Dst2** to 0.
The total distance (**Odo**) cannot be reset.

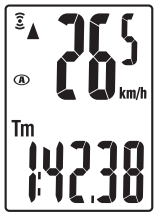


Power-saving function

If the computer has not received a signal for 10 minutes, power-saving screen will activate and only the clock will be displayed.
When you press **MODE**, or the computer receives a sensor signal, the measuring screen reappears.



If another 60 minutes of inactivity elapses in the power-saving screen, only the speed unit is displayed on the screen. With such a screen, pressing the **MODE** button returns to the measurement screen.



Measuring screen

MENU

Pressing **MENU** on the measurement screen changes to the menu screen.
Various settings can be changed on the menu screen.

MENU

Changing the settings

MODE (Press & hold)

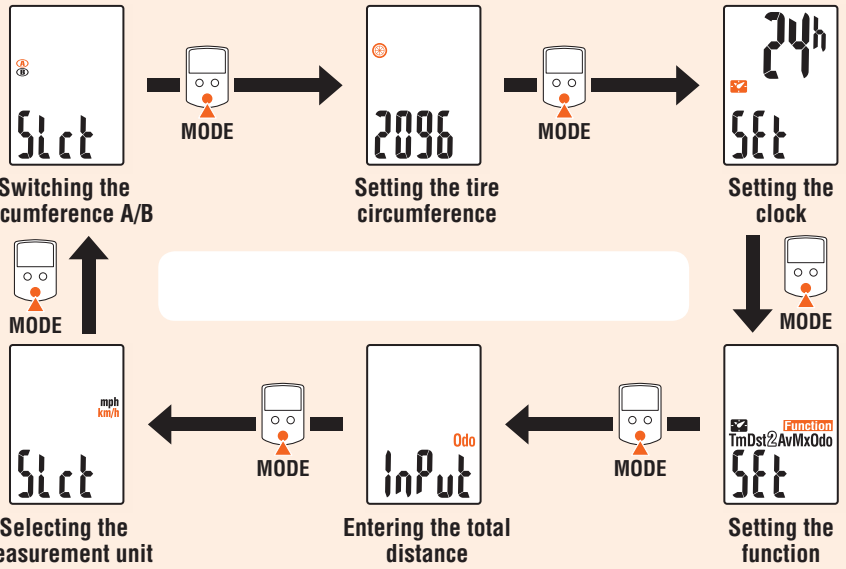
With a menu you want to change displayed, once you press and hold the **MODE** button, you can change various setting by the button operation as described.

Register the setting

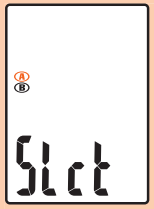
MENU

* After changing, be sure to register the setting(s) by pressing the **MENU** button.
* Leaving the menu screen without any operation for 1 minutes returns to the measurement screen, and changes are not saved.

Overview of the menu screen



From “Selecting the measurement unit”



Switching the circumference A/B

The tire to be used (Ⓐ Ⓑ) can be selected.

MODE

Changing the settings

MODE (Press & hold)

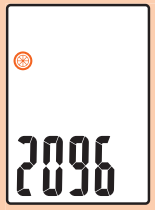
MODE

Ⓐ ↔ Ⓑ Switch

Register the setting

MENU

To “Setting the clock”



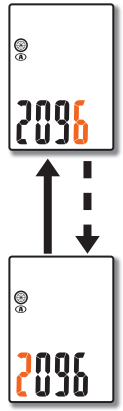
Setting the tire circumference

Set the tire circumference.

MODE

Changing the settings

MODE (Press & hold)



Move digits

MODE (Press & hold)

Increase the value

MODE

Register the setting

MENU

From “Setting the tire circumference”

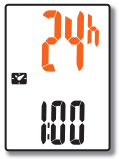
Setting the clock

Set the clock.

MODE

Changing the settings

MODE
(Press & hold)

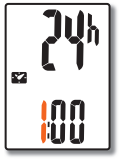


Selecting the display

MODE

12h ↔ 24h

MODE
(Press & hold)



Hour

Increase the value

MODE

MODE
(Press & hold)

Minute

Increase the value

MODE

MODE
(Press & hold)

Register the setting

MENU

To “Entering the total distance”

Setting the function

You can skip the selected data to be displayed. Once you select “Off” for a particular selected data, it will be skipped in the measurement screen.

MODE

Changing the settings

MODE
(Press & hold)

Dst
↓
Dst 2
↓
Av
↓
Mx
↓
Odo
↓

Selected data switch

MODE
(Press & hold)

MODE

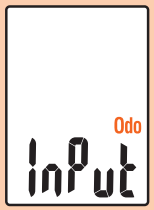
ON ↔ OFF

Register the setting

MENU

* The elapsed time (**Tm**) cannot be skipped.
* Even the hidden selected mode is measured, and the measurement result will be reflected when it is displayed again.

From “Setting the function”



Entering the total distance

Enter the total distance.
(No decimal number can be entered.)

* Once you enter any value to the total distance, you can start from the value you entered. Use this function when you renew your unit and/or replace the battery.

MODE

Changing the settings

MODE
(Press & hold)

Move digits

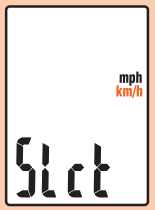
MODE
(Press & hold)

Increase the value

MODE

Register the setting

MENU



To “Switching the circumference A/B”

Selecting the measurement unit

The speed unit (**km/h** or **mph**) can be selected.

MODE

Changing the settings

MODE
(Press & hold)

MODE

km/h ↔ mph

Register the setting

MENU

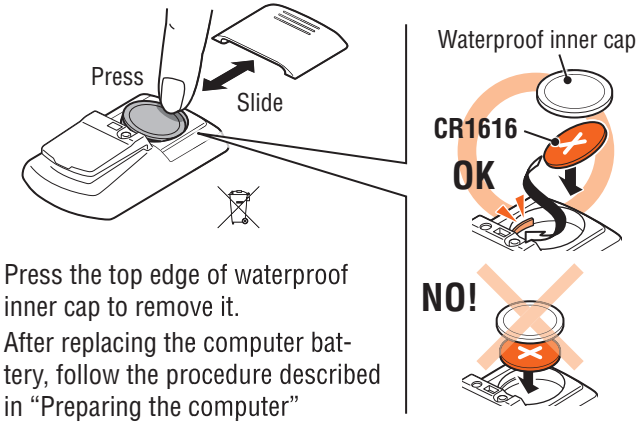
Maintenance

To clean the computer or accessories, use diluted neutral detergent on a soft cloth, and wipe it off with a dry cloth.

Replacing the battery

Computer

When the display becomes dim, replace the battery. Install a new lithium battery (CR1616) with the (+) side faced upward.

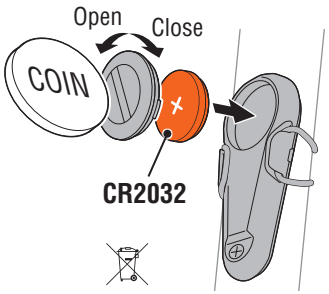


* Press the top edge of waterproof inner cap to remove it.
* After replacing the computer battery, follow the procedure described in “Preparing the computer”
* Noting the total distance before replacing the battery allows you to start from the total distance you enter manually after replacing it.

Speed sensor

When the speed is not displayed even after adjusting correctly, replace the battery. Insert new lithium batteries (CR2032) with the (+) sign upward, and close the battery cover firmly.

* After replacement, check the positions of the sensor and magnet.



Troubleshooting

The sensor signal icon does not flash. (the speed is not displayed)

Check that the clearance between the sensor and magnet is not too large. (Clearance: within 5 mm)
Check that the magnet passes through the sensor zone correctly.

Adjust the positions of the magnet and sensor.

Is the computer installed at the correct angle?

Back of computer must face toward the sensor.

Check that the distance between the computer and sensor is correct. (Distance: within 20 to 60 cm)

Install the sensor within the specified range.

Is the computer or sensor battery weak ?
* In winter, battery performance diminishes.
If the computer reacts only when it is close to the sensor, weak batteries may cause it.

Replace with new batteries according to the procedure specified in the section “Replacing the battery”.

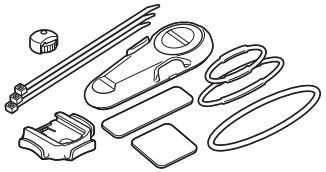
Nothing is displayed by pressing the button.

Replace the computer battery according to the procedure specified in the section “Replacing the battery”.

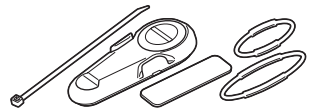
Incorrect data appear.

Clear all according to the procedure described in “Preparing the computer”.
All measured data are deleted.

Standard accessories

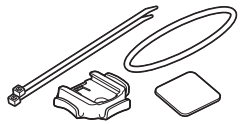


1603890
Parts kit



1603891
Speed sensor
(SPD-02)

1603893
Rubber band / nylon tie



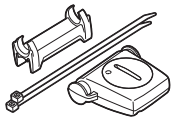
1603892
Bracket kit

1699691N
Wheel magnet

1603850
Lithium battery
CR1616

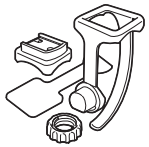
1665150
Lithium battery
CR2032

Optional accessories



1602196
Speed sensor
(SPD-01)

1604100
Out-front bracket



1602194
Bracket kit
(FlexTight™)

1600280N
Bracket band
(FlexTight™)

1602193
Bracket
(for FlexTight™)

Specification

Battery Battery life	Computer	Lithium battery (CR1616) x 1 Approx. 1 year (If the computer is used for 1 hour/ day; the battery life will vary depending on the conditions of use.)
	Speed sensor	Lithium battery (CR2032) x 1 Distance reaches about 10000 km (6250 mile)
Controller		4 bit, 1-chip microcomputer (Crystal controlled oscillator)
Display		Liquid crystal display
Sensor		No contact magnetic sensor
Transmission distance		Between 20 and 60 cm
Tire circumference range		0100 mm - 3999 mm (Initial value: A = 2096 mm, B = 2096 mm)
Working temperature		0 °F - 104 °F (0 °C - 40 °C) (This product will not display appropriately when exceeding the Working Temperature range. Slow response or black LCD at lower or higher temperature may happen respectively.)
Dimensions/ weight	Computer	1-55/64” x 1-17/64” x 1/2” (47 x 32 x 12.5 mm) / 0.43 oz (12 g)
	Speed sensor	2-43/64” x 1-3/16” x 21/64” (67.7 x 30 x 8.1 mm) / 0.48 oz (13.5 g)

* This is the average figure of being used under 20 °C temperature and the distance between the computer and the sensor is 60 cm.
* The factory-loaded battery life might be shorter than the above-mentioned specification.
* The specifications and design are subject to change without notice.

Limited warranty

2-Years Computer/Sensor only (Accessories and Battery Consumption excluded)

CatEye cycle computers are warranted to be free of defects from materials and workmanship for a period of two years from original purchase. If the product fails to work due to normal use, CatEye will repair or replace the defect at no charge. Service must be performed by CatEye or an authorized retailer. To return the product, pack it carefully and enclose the warranty certificate (proof of purchase) with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to CatEye shall be borne by person desiring service. For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

Please register your CatEye product on the website.
http://www.cateye.com/en/support/regist/

CATEYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546-0041 Japan
Attn: CATEYE Customer Service Section
Phone : (06)6719-6863
Fax : (06)6719-6033
E-mail : support@cateye.co.jp
URL : http://www.cateye.com
[For US Customers]
CATEYE AMERICA, INC.
2825 Wilderness Place Suite 1200, Boulder CO 80301-5494 USA
Phone : 303.443.4595
Toll Free : 800.5.CATEYE
Fax : 303.473.0006
E-mail : service@cateye.com