CATEYE STRADA WIRELESS
CYCLOCOMPUTER CC-RD300W

ENG

U.S. Pat. Nos. 5236759/6957926 Design Patented
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CCRD300W-171227 **10**

Before using the computer, please thoroughly read this manual and keep it for future reference.

⚠ 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 unnecessary or extended periods.
- Do not disassemble the computer.
- Do not drop the computer. Doing so may result in a computer malfunction or damage.
- When using the computer installed on the bracket, change the **MODE** by pressing on the three dots below the screen.Pressing hard on other areas can result in malfunction or damage to the computer.
- Tighten the dial on the Flex-Tight bracket by hand only. Over-tightening can damage the bracket threads.
- 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 70 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 great.
- The transmission distance may be shorter due to low temperature or low battery.
- 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 in close proximity.

Frequency Band: 19.076 kHz
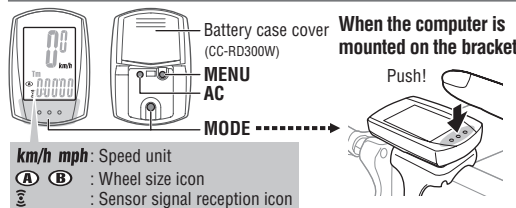Maximum radio-frequency power: 0.912 uW
Hereby, CATEYE Co., Ltd. declares that the radio equipment type Wireless Cyclecomputer CC-RD300W & SPD-01 SENSOR is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
cateye.com/doc

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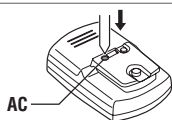**Modifications** The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by CatEye Co.,Ltd.May void the user 's authority to operate the equipment.

Preparing the computer

Battery case cover (CC-RD300W)
MENU
AC
MODE

When the computer is mounted on the bracket
Push!

km/h mph : Speed unit
Ⓐ Ⓑ : Wheel size icon
: Sensor signal reception icon

1 Clear all data (initialization)
Press the **AC** button on the back.

AC

2 Select the desired speed units
Select "**km/h**" or "**mph**".

MODE km/h ↔ mph
MENU Register the setting
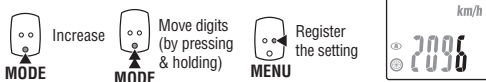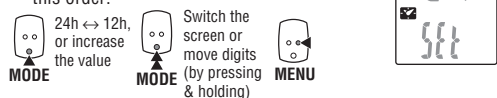
km/h
Un It

3 Enter the tire circumference
Enter the tire circumference of your bicycle in mm.
* Refer to the tire circumference reference table.

MODE Increase
MODE Move digits (by pressing & holding)
MENU Register the setting

km/h
2096

4 Set the clock
When **MODE** is pressed and held, "Displayed time", "Hour", and "Minute" will appear, in this order.

MODE 24h ↔ 12h, or increase the value
MODE Switch the screen or move digits (by pressing & holding)
MENU

24h
SEt

Tire circumference reference

Tire size	(mm)
12 x 1.75	935
14 x 1.50	1020
14 x 1.75	1055
16 x 1.50	1185
16 x 1.75	1195
18 x 1.50	1340
18 x 1.75	1350
20 x 1.75	1515
20 x 1-3/8	1615
22 x 1-3/8	1770
22 x 1-1/2	1785
24 x 1	1753
24 x 3/4	1785
24 x 1-1/8	1795
24 x 1-1/4	1905
24 x 1.75	1890
24 x 2.00	1925
24 x 2.125	1965
26 x 7/8	1920
26 x 1(59)	1913
26 x 1(65)	1952
26 x 1.25	1953
26 x 1-1/8	1970
26 x 1-3/8	2068
26 x 1-1/2	2100
26 x 1.40	2005
26 x 1.50	2010
26 x 1.75	2023
26 x 1.95	
26 x 2.00	
26 x 2.10	
26 x 2.125	2070
26 x 2.35	2083
26 x 3.00	2170
27 x 1	2145
27 x 1-1/8	2155
27 x 1-1/4	2161
27 x 1-3/8	2169
650 x 20C	1938
650 x 23C	1944
650 x 35A	2090
650 x 38A	2125
650 x 38B	2105
700 x 18C	2070
700 x 19C	2080
700 x 20C	2086
700 x 23C	**2096**
700 x 25C	2105
700 x 28C	2136
700 x 30C	2146
700 x 32C	2155
700C Tubular	2130
700 x 35C	2168
700 x 38C	2180
700 x 40C	2200
29 x 2.1	2288
29 x 2.3	2326

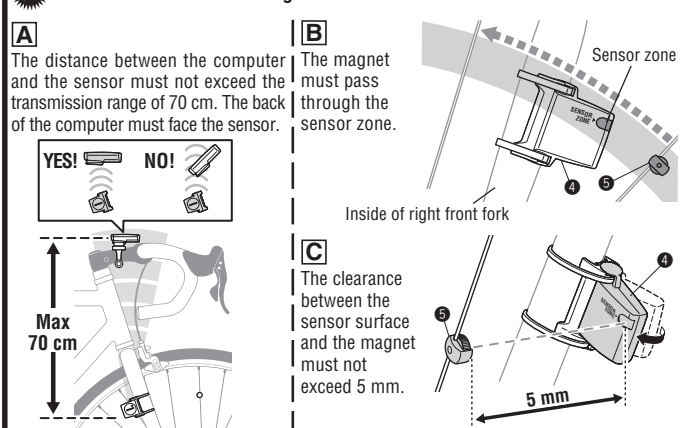**Measure wheel circumference (L) of your bike**
To get the most accurate calibration do a wheel roll out. With the valve stem perpendicular to the ground, mark the pavement at the valve stem. With the riders weight on the bike, roll the wheel one tire revolution in a straight line and mark the ground when the valve stem is perpendicular to the ground again. Measure the distance in millimeters. This is the most accurate wheel calibration number.
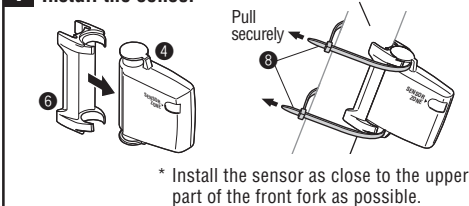

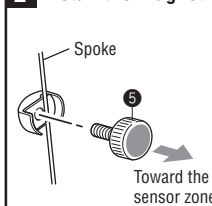L mm

How to install the unit on your bicycle

❶ Bracket band
❷ Bracket
❸ Nut
❹ Speed sensor
❺ Magnet
❻ Sensor rubber pad
❼ Bracket rubber pad
❽ Nylon ties (x2)
(SPD-01)

Install the sensor and magnet

A The distance between the computer and the sensor must not exceed the transmission range of 70 cm. The back of the computer must face the sensor.

YES! NO!

Max 70 cm

B The magnet must pass through the sensor zone.

Sensor zone
Inside of right front fork

C The clearance between the sensor surface and the magnet must not exceed 5 mm.

5 mm

1 Install the sensor
Inside of right front fork
Pull securely

* Install the sensor as close to the upper part of the front fork as possible.

2 Install the magnet
Spoke
Toward the sensor zone

3 Attach the bracket to the stem or handlebar
When attaching the bracket to the stem

Stem

Caution:
Make sure that the back of the computer faces the sensor.
* The computer may not function appropriately on some stem if its back does not face the sensor as shown in **A**.
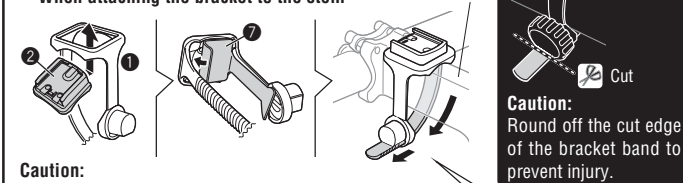
When attaching the bracket to the handlebar

Handlebar

✂ Cut
Caution:
Round off the cut edge of the bracket band to prevent injury.
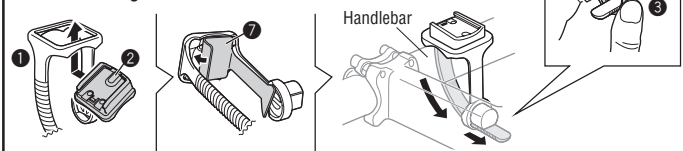
4 Remove/install the computer
Click
While supporting it by hand,

push it out as if lifting the front up

* For wing type handlebar or oversized stem, bracket can be mounted using the Bracket Holder and nylon ties. (Option)

* After installation, rotate the front wheel gently to check that the speed is displayed on the computer. If the speed is not displayed, check that conditions **A**, **B**, and **C** , above, have been done appropriately.

Operating the computer [Measuring screen]

Tm Elapsed Time
0:00'00" - 9:59'59"

Dst Trip Distance
0.00 - 999.99 km [mile]

Dst2 Trip Distance-2
0.00 - 999.99 /
1000.0 - 9999.9 km [mile]

Av Average Speed*2
0.0 - 105.9 km/h
[0.0 - 65.9 mph]

Mx Maximum Speed
0.0(4.0) - 105.9 km/h
[0.0(3.0) - 65.9 mph]

Odo Total Distance
0.0 - 9999.9 /
10000 - 99999 km [mile]

Clock
0:00 - 23:59
or 1:00 - 12:59

MODE
*1

Pace arrow
Indicates whether the current speed is faster (▲) or slower (▼) than the average speed.

Current speed
0.0(4.0) - 105.9 km
[0.0(3.0) - 65.9 mph]

Selected Mode

Starting/Stopping measurement
Measurements occur automatically when the bicycle is in use. During measurement, *km/h* or *mph* flashes.

Switching computer function
Pressing **MODE** switches function, in order, as shown on the left.

Resetting data
To reset measurement data, display any data other than for **Dst-2** and then press and hold **MODE**. Pressing and holding **MODE** with **Dst-2** displayed resets **Dst-2** only. The total distance is never reset.

Power-saving function
If the computer has not received a signal for 10 minutes, power-saving mode will activate and only the clock will be displayed. When the computer receives a sensor signal again, the measuring screen reappears. If two weeks' inactivity elapses, power-saving mode will change to **SLEEP** mode. Pressing the **MODE** in **SLEEP** mode brings up the measuring screen.

*1 With the computer installed on the bracket, press on the three raised dots on the face of the computer.

*2 If **Tm** exceeds approximately 27 hours or **DST** exceeds 999.99 km, **.E** (Error) is displayed as the average speed. Reset data.

Changing the computer settings [menu screen]

MENU

If the **MENU** is pressed with the measuring screen displayed, the menu screen appears. Press the **MODE** when measurement has stopped and no signal is being received to change menu settings.

MODE

| Wheel selection | Wheel size entry | Clock setting | Total distance manual entry | Speed unit |

MODE

Setting change (by pressing & holding)

* After changing, be sure to press **MENU** to register the setting.
* If the menu screen is not touched for a minute, the Measuring screen reappears without data changes.

Wheel selection ..... Toggle between the specified wheel size (tire circumference) Ⓐ and Ⓑ. Use this function if the computer is to be shared between two bicycles.
.... Pressing **MODE** toggles between Ⓐ and Ⓑ.
Wheel size entry .... Pressing **MODE** increases the value, and pressing and holding **MODE** moves to the next digit.
* To enter the wheel size Ⓑ, display Ⓑ using "Wheel selection".
Clock setting .... To set the clock, refer to "Preparing the computer-4".
Total distance manual entry
.... Before reinitializing the computer, note the total distance. This reading will later allow you to enter the total distance manually. Pressing **MODE** increases the value, and pressing and holding **MODE** moves to the next digit.
Speed unit .... Pressing **MODE** toggles between *km/h* and *mph*.

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
If the display appears faded, replace the battery. Install a new lithium battery (CR2032) with the (+) side facing upward. Then reinitialize the computer referring to "Preparing the computer".
* When the battery is installed, place the inner seal cap with the "TOP" side upward.

Sensor
If sensor reception is poor, replace the battery. After replacement, check the positions of the sensor and magnet.

Push!

Inner Seal Cap
CR2032

CR2032
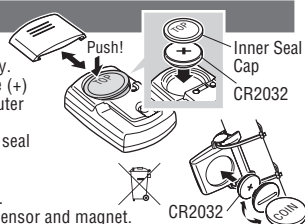
Troubleshooting

MODE does not work when the computer is mounted on its bracket.
Check that there is no dirt between the bracket and the computer.
Wash off the bracket with water to get rid of any dirt, and to ensure that the computer slides in and out smoothly.

The sensor signal reception icon does not flash. (The speed is not displayed.)
(Spin the front wheel, bringing the computer closer to the sensor. If the icon now flashes, this indicates that the computer and sensor are too far apart or that the battery is low.)
Is the clearance between the sensor and magnet too great? (must be ≤ 5 mm)
Does the magnet pass through the sensor zone?
Adjust the positions of the magnet and sensor.
Is the computer installed at the correct angle?
Back of computer must face toward the sensor.
Are the computer and sensor too far apart? (The distance must not exceed 70 cm.)
Install the sensor closer to the computer.
Is the computer or sensor battery weak?
In winter, battery performance diminishes.
Replace the battery. In the case of the computer, after replacing the battery, re-start the computer according to the "Preparing the computer", above.
No display.
Is battery in the computer run down?
Replace it. Then reinitialize the computer referring to "Preparing the computer".
Incorrect data appear.
Reinitialize the computer referring to "Preparing the computer".

Specification

Battery .... Computer	: Lithium battery (CR2032) x 1	
Sensor	: Lithium battery (CR2032) x 1	
Battery life .... Computer	: Approx. 1 years (If the computer is used for 1 hour/day; the battery life will vary depending on the conditions of use.)	
Sensor	: Unit Total Distance reaches about 10,000 km (6,250 mile)	

* This is the average figure of being used under 20 °C temperature and the distance between the computer and the sensor is 65 cm.
Controller .... 4-bite, 1-chip microcomputer (Crystal controlled oscillator)
Display .... Liquid crystal display
Sensor .... No contact magnetic sensor
Wheel circumference range ..... 0100 mm - 3999 mm (Default figure A: 2096 mm, B: 2096 mm)
Working temperature .... 32 °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 .... 1-53/64" x 1-7/32" x 5/8" (46.5 x 31 x 16 mm) / 0.78 oz (22 g)
* The factory-loaded battery life might be shorter than the above-mentioned specification.
* The specifications and design are subject to change without notice.

Standard parts					Optional parts
#160-2190N Parts kit	**#169-9691N** Wheel magnet	**#166-5150** Lithium battery (CR2032)			**#160-2770** Bracket holder
	#160-2196 Speed sensor (SPD-01)	**#160-0280N** Bracket band	**#160-2193** Bracket		

LIMITED WARRANTY

2-Year Computer only
(Accessories/Bracket sensor 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 or 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.

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