CATEYE STRADA DOUBLE WIRELESS
CYCLOCOMPUTER CC-RD400DW
ENG

CE 0678 ①

⚠ 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 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 FlexTight 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.
- Dispose of used batteries according to local regulations.
- LCD screen may be distorted when viewed through polarized sunglass lenses.

Wireless Sensor

In order to prevent any interference with the sensor signal, the transmission range is designed to be 20 to 100 cm, in addition to use of the ID code. (This receiving range is only a reference.) Please note the following points.
- To use this unit, the sensor ID has to be set.
- Two different IDs, **ID1** and **ID2**, can be registered to this unit, which are identified automatically.
- The computer cannot receive the signal when the distance between the sensor and computer is too long. Temperature drop and battery drain may worsen the receiving sensitivity even if they are within the transmission range.
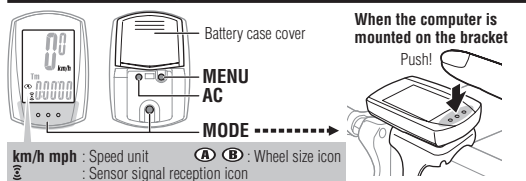
Interference may occur, resulting in incorrect data, if the computer is:
- Near a TV, PC, radio, motor, or in a car or train.
- Close to a railroad crossing, railway tracks, TV stations and/or radar base.
- Using with other wireless devices, or some particular battery lights.

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

Preparing the computer

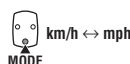Battery case cover

When the computer is mounted on the bracket
Push!

MENU
AC
MODE

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

🔘 km/h ↔ mph **MODE**	🔘 Register the setting **MENU**

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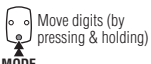
3 Enter the tire circumference
Enter the tire circumference of your bicycle in mm.
* Refer to the tire circumference reference table.

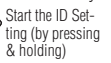|		
🔘 Increase the value **MODE**	🔘 Move digits (by pressing & holding) **MODE**	🔘 Register the setting **MENU**

km/h
2096

4 Set the sensor ID
Place the computer near the sensor. Pressing & holding **RESET** on the sensor displays the ID number on the screen, then moves to clock setting.

Id1
00

* When setting the sensor ID, place the sensor at least 20 cm (approximately 8 inches) away from the computer. Press and hold the **RESET** button, the sensor will send the ID when releasing the button.
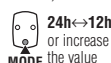* While setting the ID, the computer is on Standby for 5 minutes. If the computer does not receive any sensor signal, or you press and hold **MODE** during Standby, "**ERROR**" is displayed and the ID is canceled. You can continue to set up, but cannot measure. Be sure to set the ID according to "Sensor ID Setting" on the menu screen.
* When the ID has been already set, the original ID is applied if you cancel the ID.

RESET ▶ Start the ID Setting (by pressing & holding)	🔘 Cancel the ID or reset (by pressing & holding) **MODE**	🔘 Move to Clock Setting when no ID has been set. **MENU**

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

24h
SEt

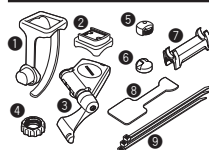|		
🔘 24h↔12h, or increase the value **MODE**	🔘 Switch the screen or move digits (by pressing & holding) **MODE**	🔘 Register the setting (finish) **MENU**

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.

Tire circumference reference table

Tire size	L (mm)
12 x1.75	935
12 x1.95	940
14 x1.50	1020
14 x1.75	1055
16 x1.50	1185
16 x1.75	1195
16 x2.00	1245
16 x1-1/8	1290
16 x1-3/8	1300
17 x1-1/4 (369)	1340
18 x1.50	1340
18 x1.75	1350
20 x1.25	1450
20 x1.35	1460
20 x1.50	1490
20 x1.75	1515
20 x1.95	1565
20 x1-1/8	1545
20 x1-3/8	1615
22 x1-3/8	1770
22 x1-1/2	1785
24 x1 (520)	1753
24 x 3/4 Tubular	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 Tubular	1920
26 x 1 (571)	1952
26 x 1-1/8	1970
26 x 1-3/8	2068
26 x 1-1/2	2100
26 x 1.0 (559)	1913
26 x 1.25	1950
26 x 1.40	2005
26 x 1.50	2010
26 x 1.75	2023
26 x 1.95	2050
26 x 2.00	2055
26 x 2.1	2068
26 x 2.125	2070
26 x 2.35	2083
26 x 3.00	2170
27 x 1 (630)	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
700 x 44C	2224
29 x 2.1	2288
29 x 2.3	2326

How to install the unit on your bicycle

❶ Bracket band
❷ Bracket
❸ Sensor (Speed/Cadence)
❹ Nut
❺ Wheel magnet
❻ Cadence magnet
❼ Sensor rubber pad
❽ Bracket rubber pad
❾ Nylon ties (x3)

🔧 **Install the sensor and magnet**

A The distance between the computer and sensor is within the transmission range, and the mark ▲ on the sensor points to the computer.

20 - 100 cm
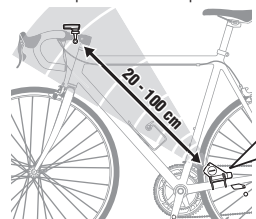
B The magnet faces the sensor zone of the sensor.

C The clearance between the sensor face and magnet is less than 5 mm for Speed and 3 mm for Cadence, respectively.

3 mm
Sensor zone
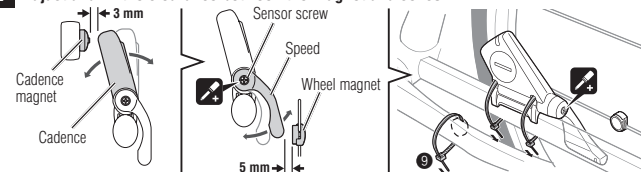Sensor
Cadence magnet
Wheel magnet
5 mm
Sensor zone
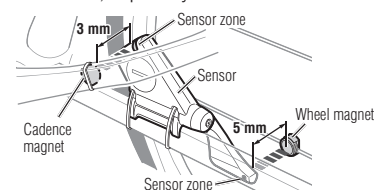
* The wheel magnet may be installed anywhere on the spoke if the above installation conditions are satisfied.

1 Temporarily install the sensor / wheel magnet / cadence magnet

Rear wheel spoke
Left crank
Left Chain Stay
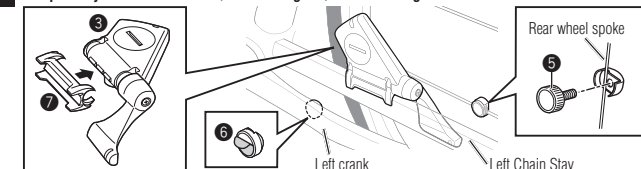
* Temporarily install the sensor and 2 magnets at the respective points that satisfy the condition **B**. When the condition cannot be satisfied, move the sensor in the front-and-rear direction to adjust.
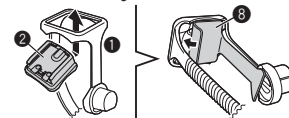
2 Adjust and fix the clearance between the magnet and sensor

< 3 mm
Sensor screw
Speed
Wheel magnet
Cadence magnet
Cadence
5 mm

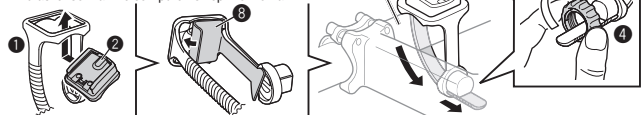* Loosen the sensor screw to adjust the speed. After adjustment, firmly tighten the sensor screw and nylon tie to fix.

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

Stem

Caution:
Round off the cut edge of the bracket band to prevent injury.
Cut

When attaching the bracket to the handlebar
* On account of the receiving sensitivity, attach the bracket so that the computer is kept horizontal.

Handlebar

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 parts)

* After installment, check that the speed is displayed when gently turning the rear wheel, whereas the cadence (**C**) is displayed when turning the crank.
* When the sensor ID has not been set, set the ID according "Sensor ID setting" on the menu screen.

Operating the computer [Measuring screen]

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

C Cadence
0(20) - 299 rpm

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 /h
[0.0(3.0) - 65.9 mph]

Selected Mode

Starting/Stopping measurement
Measurements start 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 60 minutes' 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.

Wheel selection ← Sensor ID setting ← Total distance manual entry ← MODE

Wheel size entry → Clock setting → Speed unit

Setting change (by pressing & holding)
MODE

* 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".

Sensor ID setting...... Pressing **MODE** changes to **ID1** or **ID2**, and pressing and holding **MODE** moves to Standby. To set the ID, refer to "Preparing the computer-4."
* **ID2** is used when the computer is shared with the second sensor. The computer identifies **ID1** and **ID2** automatically.

Clock setting............. To set the clock, refer to "Preparing the computer-5".

Total distance manual entry
.... Before reinitializing the computer, note the total distance. This reading will later allow you to enter the total distance manually.

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
Replace the battery when the digit of the selected Mode flashes. 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 seal with the "TOP" side upward.

Push!
Seal
CR2032

Sensor
Replace the battery when the Speed digit flashes. After replacement, check the positions of the sensor and magnet.
* After the battery is replaced, ID setting is required again. For details, refer to "Sensor ID setting" on the menu screen.

COIN
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 or cadence is not displayed). Move the computer near the sensor, and turn the rear wheel or crank. If the Sensor signal reception icon flashes, this trouble may be due to battery drain, not any malfunction.
Set the sensor ID.
Set the ID according to "Sensor ID setting" on the menu screen.

Check that the clearance between each sensor and magnet is not too large. (Clearance: less than 5 mm for Speed, and 3 mm for Cadence)
Check that the magnet goes through the relevant sensor zone.
Adjust the positions of the magnet and sensor.

Check that the distance between the computer and sensor is correct (Distance: within 20 to 100 cm)
Install the sensor within the specified range.

Is the computer or sensor battery weak? In winter, battery performance diminishes.
Replace with new batteries. After replacement, follow the procedure "Replacing the battery."

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 : Approx. 6 months (If the computer is used for 1 hour/day; the battery life will vary depending on the conditions of use.)
*This is the average figure of being used under 20 °C temperature and the distance between the computer and the sensor is 100 cm.
Controller.......................8-bite, 1-chip microcomputer (Crystal controlled oscillator)
Display...........................Liquid crystal display
Sensor............................No contact magnetic sensor
Transmission distance...Between 20 and 100 cm
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 ....Computer : 1-53/64" x 1-7/32" x 5/8" (46.5 x 31 x 16 mm) / 0.78 oz (22 g)
Sensor : 1-63/64" x 2-55/64" x 45/64" (50.5 x 72.5 x 17.7 mm) (Excluding the arm) / 1.06 oz (30 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				Option parts
#160-2790 Parts kit	**#160-2780** Sensor	**#169-9766** Cadence magnet	**#160-2193** Bracket	**#160-2770** Bracket holder
	#160-0280 Bracket band	**#169-9691** Wheel magnet	**#166-5150** Lithium battery (CR2032)	

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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