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 using the computer installed on the bracket, change the MODE by pressing on the four dots below the screen, or by pressing on the SSE simultaneously, to start or stop the timer. Pressing hard on other areas may result in malfunction or damage to the computer.
- Be sure to tighten the dial of the FlexTight™ bracket by hand. Tightening it strongly using a tool, etc. may damage the screw thread.
- 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 sunglasses.

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 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 in close proximity.

Frequency Band : 19 kHz
Radiated Power : -31.7 dBm
Hereby, CATEYE Co., Ltd. declares that the radio equipment type CC-MC200W 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.

Canada 310
This device complies with Industry Canada’s RSS-310. Operation is subject to the condition that this device must not cause harmful interference and must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme au CNR-310 d’Industrie Canada. Son exploitation est autorisée à condition que l’appareil ne produise pas de brouillage préjudiciable et qu’il accepte tout brouillage, même celui susceptible d’en compromettre le fonctionnement.

CAN ICES-3 (B) / NMB-3 (B)
How to install the unit on your bicycle

1. Attach the bracket to the stem or handlebar
   - The FlexTight™ bracket can be attached to either the stem or the handlebar, depending on how the bracket fits into the bracket band.
   - **Caution:** Be sure to tighten the dial of the FlexTight™ bracket by hand. Tightening it strongly using a tool, etc. may damage the screw thread.

   - When attaching the FlexTight™ bracket to the stem:
     - Bracket band
     - Bracket rubber pad
     - Stem
     - Dial

   - When attaching the FlexTight™ bracket to the handlebar:
     - Bracket band
     - Bracket rubber pad
     - Handlebar
     - Dial

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

   - * To mount the bracket to an aero-shaped handlebar or larger stem, use the optional nylon ties bracket.

2. Install the sensor and magnet
   - The distance from the computer to the sensor is within the transmission data length, and the back of the computer faces downward.
   - The clearance between the sensor surface and the magnet is within 5 mm.
   - The wheel magnet may be installed anywhere on the spoke if the installation conditions are satisfied.

   - * The wheel magnet may be installed anywhere on the spoke if the installation conditions are satisfied.

   - * Install the sensor above the front fork as much as possible.
Perform the clear all data operation as shown below, 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”.

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

4 Set the clock
Pressing and holding the MODE button switches the display to “Displayed time”, “Hour”, and “Minute” in order.

5 Press the MENU button to complete setting
Register the setting (Finish)

Operation test
After installed, check that the computer displays the speed by turning the front wheel. When it is not displayed, check the installation conditions 1, 2, and 3 again (page 2).

Preparing the computer

Tire circumference
You can find the tire circumference (L) of your tire size in the chart below, or actually measure the tire circumference (L) of your bicycle.

- How to measure the tire circumference (L)
For the most accurate measurement, do a wheel roll out. With the tires under proper pressure, place the valve stem at the bottom. Mark the spot on the floor and with the rider’s weight on the bike, roll exactly one wheel revolution in a straight line (until the valve comes around again to the bottom). Mark where the valve stem is and measure the distance.

- Tire circumference reference table
* Generally, the tire size or ETRTO is indicated on the side of the tire.
Operating the computer [Measuring screen]

Starting / Stopping measurement
There are two measurement methods; manual mode and auto mode.

- **Auto mode (AT illuminated)**
  Measurements start automatically when the bicycle is in motion.

**Setting method**
See “Changing the computer settings: Selecting the auto mode” (Page 7).

- The speed unit (km/h or mph) flashes during measurement.
- The maximum speed and total distance are updated regardless of start/stop of the measurement.

**Switching computer function**
Pressing the **MODE** button switches the measurement data at the bottom in the order shown in the following figure.

**Current speed**
0.0 (0.0 : 4.0 / 0.0 : 3.0) – 105.9 km/h
[0.0 (0.0 : 3.0 / 0.0 : 2.0) – 65.0 mph]
* “Spd” icon is displayed when displaying current speed at the bottom.

**Elapsed Time**
0:00’00” – 9:59’59”

**Trip Distance**
0.00 – 999.99 km [mile]

**Trip Distance-2**
0.00 – 999.99 km [mile]

**Stop watch (’2)**
0:00’00” – 9:59’59”

**Total Distance**
0 – 99999 km[mile]

**Maximum Speed**
0.0 – 105.9 km/h
[0.0 – 65.0 mph]

**Average Speed (’1)**
0.0 – 105.9 km/h
[0.0 – 65.0 mph]

**Resetting data**
Pressing and holding **SSE** together with the unit on the measurement screen resets any measurement data, except the total distance (Odo), trip distance-2 (Dst2), and stopwatch (Ø).
* The total distance (ODO) is not reset.

**Resetting separately the trip distance-2 and stopwatch**
To reset the currently displayed data, display trip distance 2 (Dst2) or the stopwatch (Ø), and hold down the main unit along with the **SSE**.
* How to reset the trip distance 2 (Dst2) and the stopwatch displayed in top row of screen
Display the current speed (Spd) in bottom row of screen and perform the reset operation.

**Settings (SSE + MODE)**
Choose the desired settings.

**Click**
Click **MODE operation** when the computer is mounted on the bracket.

**Clock display**
Elapsed Time

**Sensor signal icon**
Flashes in synch with a sensor signal.

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

**Tire size icon**

**Auto mode icon**

**Switching computer function**
Pressing the **MODE** button switches the measurement data at the bottom in the order shown in the following figure.

- **Manual mode**
  Press the **SSE** button together with the unit to start/stop the measurement.
  * When the computer is removed from the bracket, press the **SSE** button on the front and the **MODE** button on the back simultaneously.

**Resetting separately the trip distance-2 and stopwatch**
To reset the currently displayed data, display trip distance 2 (Dst2) or the stopwatch (Ø), and hold down the main unit along with the **SSE**.

**How to reset the trip distance 2 (Dst2) and the stopwatch displayed in top row of screen**
- Display the current speed (Spd) in bottom row of screen and perform the reset operation.

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Pressing and holding **SSE** together with the unit on the measurement screen resets any measurement data, except the total distance (Odo), trip distance-2 (Dst2), and stopwatch (Ø).

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Pressing and holding **SSE** together with the unit on the measurement screen resets any measurement data, except the total distance (Odo), trip distance-2 (Dst2), and stopwatch (Ø).

- **Auto mode (AT illuminated)**
  Measurements start automatically when the bicycle is in motion.

- **Manual mode**
  Press the **SSE** button together with the unit to start/stop the measurement.
  * When the computer is removed from the bracket, press the **SSE** button on the front and the **MODE** button on the back simultaneously.

**Resetting separately the trip distance-2 and stopwatch**
To reset the currently displayed data, display trip distance 2 (Dst2) or the stopwatch (Ø), and hold down the main unit along with the **SSE**.

**How to reset the trip distance 2 (Dst2) and the stopwatch displayed in top row of screen**
Display the current speed (Spd) in bottom row of screen and perform the reset operation.

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Pressing and holding **SSE** together with the unit on the measurement screen resets any measurement data, except the total distance (Odo), trip distance-2 (Dst2), and stopwatch (Ø).

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

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0.0 (0.0 : 4.0 / 0.0 : 3.0) – 105.9 km/h
[0.0 (0.0 : 3.0 / 0.0 : 2.0) – 65.0 mph]
* “Spd” icon is displayed when displaying current speed at the bottom.

**Elapsed Time**
0:00’00” – 9:59’59”

**Trip Distance**
0.00 – 999.99 km [mile]

**Trip Distance-2**
0.00 – 999.99 km [mile]

**Stop watch (’2)**
0:00’00” – 9:59’59”

**Total Distance**
0 – 99999 km[mile]

**Maximum Speed**
0.0 – 105.9 km/h
[0.0 – 65.0 mph]

**Average Speed (’1)**
0.0 – 105.9 km/h
[0.0 – 65.0 mph]

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Pressing and holding **SSE** together with the unit on the measurement screen resets any measurement data, except the total distance (Odo), trip distance-2 (Dst2), and stopwatch (Ø).

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  Measurements start automatically when the bicycle is in motion.

- **Manual mode**
  Press the **SSE** button together with the unit to start/stop the measurement.
  * When the computer is removed from the bracket, press the **SSE** button on the front and the **MODE** button on the back simultaneously.

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Pressing and holding **SSE** together with the unit on the measurement screen resets any measurement data, except the total distance (Odo), trip distance-2 (Dst2), and stopwatch (Ø).

- **Auto mode (AT illuminated)**
  Measurements start automatically when the bicycle is in motion.

- **Manual mode**
  Press the **SSE** button together with the unit to start/stop the measurement.
  * When the computer is removed from the bracket, press the **SSE** button on the front and the **MODE** button on the back simultaneously.

**Resetting separately the trip distance-2 and stopwatch**
To reset the currently displayed data, display trip distance 2 (Dst2) or the stopwatch (Ø), and hold down the main unit along with the **SSE**.

**How to reset the trip distance 2 (Dst2) and the stopwatch displayed in top row of screen**
Display the current speed (Spd) in bottom row of screen and perform the reset operation.
Operating the computer [Various functions]

Backlight (Night mode)
With the night mode turned on, pressing the MODE button turns on the backlight (for 5 seconds). Pressing any button while the backlight is still on extends the illumination for another 5 seconds.

Setting method
Pressing and holding the MODE button proceeds to setting the night mode. Pressing and holding the button again turns on the night mode, and returns to the measurement screen.

* The night mode is automatically turned off without any signal received for 10 minutes.
* You can switch ON/OFF also from the menu screen. See "Changing the computer settings: Setting the night mode" (Page 6).
* When 🖤 (battery icon) is turned on, the backlight is not turned on even if the night mode is on.

Setting the function to display
Displaying only selected data can be done.

Upper display selection
Any data can be selected for the top display, and constantly be displayed.

Stop watch
The time can be measured regardless of start/stop of the measurement. It can be used when the auto mode is on (盛世 illuminated).

- **Start/Stop**: Press the SSE button together with the unit. 🕒 flashes during measurement.
- **Reset**: Display the stopwatch (盛世), and hold down the main unit along with the SSE button.
  * How to reset the trip distance 2 (Dst2) and the stopwatch displayed in top row of screen
    Display the current speed (Spd) in bottom row of screen and perform the reset operation.

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

* After changes are made, 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.

### Selecting the night mode
Select ON/OFF of the night mode.
* Pressing and holding the MODE button shortcuts to this screen from the measurement screen.

### Changing the settings
To "Setting the measurement unit"
- Selecting the night mode
- Setting the upper display
- Switching the circumference
- Setting the clock
- Entering the total distance
- Selecting the auto mode
- Setting the function

From "Selecting the measurement unit"
- Selecting the night mode
- Setting the upper display
- Switching the circumference
- Setting the clock
- Entering the total distance
- Selecting the auto mode
- Setting the function

### Setting the upper display
Select the function for the upper display.

### Switching the circumference (A ↔ B)
Switch A and B of the tire circumference currently selected.
* The circumference is set on a low-speed oriented basis; therefore, it is suitable for MTB.

### Register the setting
- MODE
- MENU

### Changing the settings
- MODE (Press & hold)
- MENU
### Entering the total distance

Enter the total distance.

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

### Selecting the measurement unit

Select the speed unit (km/h or mph).

### Changing the settings

- **MODE** (Press & hold)
- **Register the setting**
- **Increase the value**
- **Move digits**

To "Selecting the auto mode"
In use

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 (battery icon) is turned on, replace the battery. Install a new lithium battery (CR2032) with the (+) side facing upward.
* After replacing the computer battery, follow the procedure described in “Preparing the computer” (Page 3).

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).
(Move the computer near the sensor, and turn the front wheel. If the sensor signal icon flashes, this trouble may be a matter of transmission distance due to battery drain, but not any malfunction.)

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 70 cm)
Install the sensor within the specified range.
Is the computer or sensor battery weak?
In winter, battery performance diminishes.
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” (Page 3).

The backlight is not turned on.
Check if (battery icon) is turned on.
Replace the computer battery according to the procedure specified in the section “Replacing the battery”.

Specification

Battery / Battery life
Computer: Lithium battery (CR2032) x 1 / Approx. 1 years (If the computer is used for 1 hour/day; the battery life will vary depending on the conditions of use.)
Sensor: Lithium battery (CR2032) x 1 / Unit Total Distance reaches about 10000 km (6250 miles)
* It may be shortened significantly when backlight is used frequently.
* This is the average figure of being used under 20 °C temperature and the distance between the computer and the sensor is 65 cm.
* The factory-loaded battery life might be shorter than the above-mentioned specification.

Controller: 4-bit, 1-chip microcomputer (Crystal controlled oscillator)
Display: Liquid crystal display
Sensor: No contact magnetic sensor
Transmission distance: Between 20 and 70 cm
Tire circumference range: 0 - 100 mm - 3999 mm (Initial value: A = 2096 mm, B = 2050 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: 2-7/64” x 1-27/64” x 11/16” (53.5 x 36 x 17.5 mm) / 0.92 oz (26 g)
Sensor: 1-41/64” x 1-27/64” x 19/32” (41.5 x 36 x 15 mm) / 0.53 oz (15 g)
* The specifications and design are subject to change without notice.

Limited warranty

2-Year 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.

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Spare accessories

Standard accessories

<table>
<thead>
<tr>
<th>Part code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1602190</td>
<td>Parts kit</td>
</tr>
<tr>
<td>1602196</td>
<td>Speed sensor</td>
</tr>
<tr>
<td>1600280N</td>
<td>Bracket band</td>
</tr>
<tr>
<td>1602193</td>
<td>Bracket</td>
</tr>
<tr>
<td>1699691N</td>
<td>Wheel magnet</td>
</tr>
<tr>
<td>1665150</td>
<td>Lithium battery</td>
</tr>
</tbody>
</table>

Optional accessories

<table>
<thead>
<tr>
<th>Part code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1602980</td>
<td>Nylon tie bracket</td>
</tr>
</tbody>
</table>

Close
Open

CR2032

Parts kit (SPD-01)
Bracket band
Bracket
Wheel magnet
Lithium battery
CR2032