Preparing the computer

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

Preparing the computer

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

2. Select the speed units
   Select "km/h" or "mph".
   Register the setting

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

4. Set the sensor ID
   Place the computer near the sensor. Pressing & holding "RESET" on the screen, then moves to clock setting.
   * While setting the sensor ID, the computer is on standby for about 6 minutes (adjustable).
   * While setting the ID, the computer is on standby for 5 minutes. If the computer does not receive any sensor signal, the computer locks the ID set and clears the menu screen.
   * Move to Clock Setting when no ID has been set.

5. Set the clock
   When MODE is pressed and held, "Display time" will appear in the display.
   "24h" or "12h" will appear in the display.
   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 point of the valve stem. With the rider weight on the bike, roll the wheel one revolution in a straight line and mark the ground where the valve stem is perpendicular to the ground again. Measure the distance in millimeters. This is the most accurate wheel calibrating method.

How to install the unit on your bicycle

1. Install the sensor and magnet
   * Install the sensor and magnet on the bike.
   * The distance between the computer and sensor is within the transmission range, and the mark on the sensor points to the computer.

2. Adjust and fix the clearance between the magnet and sensor
   * Temporarily install the sensor and 2 magnets at the respective points that satisfy the condition (D).
   * When the condition cannot be satisfied, change the front-end and rear-end direction to adjust.

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

4. Remove/install the computer
   While supporting it by hand.
   Push it out as if lifting the front up.
   After adjustment, firmly tighten the screw and make it fix.

5. 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 point where the valve stem is perpendicular to the ground again. Measure the distance in millimeters. This is the most accurate wheel calibrating method.
Operating the computer (Measuring screen)

- **Tm** (Elapsed Time): 00:00'00" - 23:59'59"
- **Distance**: 0.00 - 9999.99 km [mile]
- **Odometre**: 0.00 - 9999.99
- **Speed**: 0.00 - 9999.99 km/h [mile/h]
- **Clock**: 00:00'00" - 09:59'59"

Changing the computer settings (menu screen)

- **Wheel size entry**
- **Sensor ID setting**
- **Clock setting**
- **SD card setting**

Replacing the battery

- 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-5".
- If the battery is installed, place the seal with the "TOP" side upward.
- Sensor

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 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 a malfunction.
- Set the sensor ID to "Sensor ID setting" on the menu screen.
- Check that the difference between error 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 position of the magnet and sensor.
- Check that the distance between the computer and sensor is correct (Distance within 20 to 100 cm).
- Install a new lithium battery (CR2032) with the (+) side facing upward.
- *In the case of 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."

Specifications

- **Battery**
  - Computer: Lithium battery (CR2032) x 1
  - Sensor: Lithium battery (CR2032) x 1
- **Battery life**
  - Computer: Approx. 1 year (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 60 cm.**
- **Controller**: 4-bit, 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**
  - (0.00 mm - 2500mm) (Digital display & 2000 mm, 0.006")
- **Working temperature**: -20°F to 104°F (-30 °C - 40 °C) (This product will not display appropriately when exceeding the Working Temperature range. Slow response or no LCD is 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: 1-3/8" x 4/5" x 9/32" (35 x 11 x 7 mm) (excluding the arm)/ 0.06 oz (2 g)

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 instructions for repair. Please write or type your name and address clearly on the warranty certificate. E-mail: support@cateye.co.jp

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