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.
- Never place the computer on a metal surface. If you do, the contact points will conduct electricity, discharging the battery.
- Tighten the dial on the Flex-Tight bracket by hand only. Over-tightening can damage the bracket.
- Never place the computer on a metal surface. If you do, the contact points will conduct electricity, discharging the battery.
- Do not leave the computer in direct sunlight for unnecessary or extended periods.
- If a child swallows a battery, consult a doctor immediately.
- Do not concentrate on the computer while riding. Ride safely!
- LCD screen may be distorted when viewed through polarized sunglasses lenses.

**Preparing the computer**

- AC Battery case cover
- MENU Contact
- MODE Push!

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

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

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

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

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 rider’s weight on the bike, roll the wheel one tire 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 calibration number.

<table>
<thead>
<tr>
<th>Tire size</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 x 25C</td>
<td>5700</td>
</tr>
<tr>
<td>700 x 20C</td>
<td>5600</td>
</tr>
<tr>
<td>700 x 18C</td>
<td>5400</td>
</tr>
<tr>
<td>700 x 16C</td>
<td>5300</td>
</tr>
<tr>
<td>700 x 15C</td>
<td>5200</td>
</tr>
<tr>
<td>700 x 14C</td>
<td>5100</td>
</tr>
<tr>
<td>700 x 13C</td>
<td>5000</td>
</tr>
<tr>
<td>700 x 12C</td>
<td>4900</td>
</tr>
<tr>
<td>700 x 11C</td>
<td>4800</td>
</tr>
<tr>
<td>700 x 10C</td>
<td>4700</td>
</tr>
<tr>
<td>700 x 9C</td>
<td>4600</td>
</tr>
<tr>
<td>700 x 8C</td>
<td>4500</td>
</tr>
<tr>
<td>700 x 7C</td>
<td>4400</td>
</tr>
<tr>
<td>700 x 6C</td>
<td>4300</td>
</tr>
<tr>
<td>700 x 5C</td>
<td>4200</td>
</tr>
<tr>
<td>700 x 4C</td>
<td>4100</td>
</tr>
<tr>
<td>700 x 3C</td>
<td>4000</td>
</tr>
<tr>
<td>700 x 2C</td>
<td>3900</td>
</tr>
<tr>
<td>700 x 1C</td>
<td>3800</td>
</tr>
<tr>
<td>700 C Tubular</td>
<td>3700</td>
</tr>
<tr>
<td>700 x 19C</td>
<td>4900</td>
</tr>
<tr>
<td>700 x 18C</td>
<td>4800</td>
</tr>
<tr>
<td>700 x 17C</td>
<td>4700</td>
</tr>
<tr>
<td>700 x 16C</td>
<td>4600</td>
</tr>
<tr>
<td>700 x 15C</td>
<td>4500</td>
</tr>
<tr>
<td>700 x 14C</td>
<td>4400</td>
</tr>
<tr>
<td>700 x 13C</td>
<td>4300</td>
</tr>
<tr>
<td>700 x 12C</td>
<td>4200</td>
</tr>
<tr>
<td>700 x 11C</td>
<td>4100</td>
</tr>
<tr>
<td>700 x 10C</td>
<td>4000</td>
</tr>
<tr>
<td>700 x 9C</td>
<td>3900</td>
</tr>
<tr>
<td>700 x 8C</td>
<td>3800</td>
</tr>
<tr>
<td>700 x 7C</td>
<td>3700</td>
</tr>
<tr>
<td>700 x 6C</td>
<td>3600</td>
</tr>
<tr>
<td>700 x 5C</td>
<td>3500</td>
</tr>
<tr>
<td>700 x 4C</td>
<td>3400</td>
</tr>
<tr>
<td>700 x 3C</td>
<td>3300</td>
</tr>
<tr>
<td>700 x 2C</td>
<td>3200</td>
</tr>
<tr>
<td>700 x 1C</td>
<td>3100</td>
</tr>
<tr>
<td>700 C Tubular</td>
<td>3000</td>
</tr>
<tr>
<td>700 x 19C</td>
<td>4900</td>
</tr>
<tr>
<td>700 x 18C</td>
<td>4800</td>
</tr>
<tr>
<td>700 x 17C</td>
<td>4700</td>
</tr>
<tr>
<td>700 x 16C</td>
<td>4600</td>
</tr>
<tr>
<td>700 x 15C</td>
<td>4500</td>
</tr>
<tr>
<td>700 x 14C</td>
<td>4400</td>
</tr>
<tr>
<td>700 x 13C</td>
<td>4300</td>
</tr>
<tr>
<td>700 x 12C</td>
<td>4200</td>
</tr>
<tr>
<td>700 x 11C</td>
<td>4100</td>
</tr>
<tr>
<td>700 x 10C</td>
<td>4000</td>
</tr>
<tr>
<td>700 x 9C</td>
<td>3900</td>
</tr>
<tr>
<td>700 x 8C</td>
<td>3800</td>
</tr>
<tr>
<td>700 x 7C</td>
<td>3700</td>
</tr>
<tr>
<td>700 x 6C</td>
<td>3600</td>
</tr>
<tr>
<td>700 x 5C</td>
<td>3500</td>
</tr>
<tr>
<td>700 x 4C</td>
<td>3400</td>
</tr>
<tr>
<td>700 x 3C</td>
<td>3300</td>
</tr>
<tr>
<td>700 x 2C</td>
<td>3200</td>
</tr>
<tr>
<td>700 x 1C</td>
<td>3100</td>
</tr>
<tr>
<td>700 C Tubular</td>
<td>3000</td>
</tr>
</tbody>
</table>

**How to install the unit on your bicycle**

1. **Install the speed sensor and wheel magnet**
   - Use the nylon tie to secure the cable on the frame. Wind the cable on the rear brake cable as shown.
   - Caution: Turn the handlebar to make sure wire does not hinder full rotation.

2. **Install the cadence sensor and cadence magnet**
   - Pull securely

3. **Route the cable**
   - Use the nylon tie to secure the cable on the frame. Wind the cable on the rear brake cable as shown.
   - Caution: Turn the handlebar to make sure wire does not hinder full rotation.

4. **Attach the bracket to the stem or handlebar**
   - Caution: Tighten the bracket, ensuring that the cable does not get caught in the handlebar.

5. **Remove/install the computer**
   - Caution: Tighten the bracket, ensuring that the cable does not get caught in the handlebar.

* After installation, check that the speed sensor and cadence sensor are functioning properly. In the case of the speed sensor, lift the rear wheel off the ground and spin the wheel to check the speed is displayed. In the case of the cadence sensor, press MODE to display C (cadence) on the mode screen. Rotate the crank in the non driving direction and check cadence is displayed. If the speed is not displayed, check that conditions A and B are satisfied.
Operating the computer (Measuring screen)

- **Tm** Elapsed Time 0:00:00” - 9:59:59*1
- **C Cadence** 0/20/200 rpm
- **DSt Trip Distance** 0.00 - 999.999 km [mile]
- **DSt Trip Distance-2** 1000.0 - 9999.9 km [mile]
- **AV Average Speed** 0.0 - 200.0 km/h [mph]
- **Mx Maximum Speed** 0.0(4.0) - 200.0 km/h [mph]
- **Odo Total Distance** 0 - 9999.99 km [mile]
- **Clock** 0.00 - 23:59 or 1:00 - 12:59

**Parts Kit**
- #160-0280N: Wheel magnet
- #169-9691N: Cadence magnet
- #160-2770: Bracket band
- #169-5651N: Wheel magnet
- #169-6766: Cadence magnet
- #169-6160: Lithium battery (CR1620)

**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.

**Speed (Cadence)** are not displayed. Touch a metal item against two contact points of the computer several times to create a short circuit while observing the display. If a numeric value appears, this signifies that the computer is functioning normally.

**Is there any foreign matter (which would prevent a clean contact) on the contact points of the computer and/or bracket?**
Clean the contact points.
Check that wire cable is not damaged.
Even with a normal appearance, it may be that a wire cable could be broken internally. Replace the bracket sensor set.

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 life ............... Approx: 2 years
- Controller .............. 4-bit, 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 .......... 53×44×17 mm / 100 g

**LIMITED WARRANTY**

2-Year Computer only
(Accessories/Bracket sensor and Battery Consumption excluded)

CAT EYE 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 defective part 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.

Insurance, handling and transportation charges to CatEye shall be borne by the person desiring service. For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

**CATEYE CO., LTD.**
2-8-25, Kurewai, Higashi Sumiyoshi-ku, Osaka 546-0041 Japan
Adm.: CATEYE Customer Service
Phone: (06)6719-6883
Fax: (06)6719-6033
E-mail: support@cateye.co.jp
URL: http://www.cateye.com

**CATEYE AMERICA, INC.**
2825 Wilderness Place Suite 1200, Boulder CO80301-5494 USA
Phone: 303.443.4595
Toll Free: 800.CATEYE
Fax: 303.473.0006
E-mail: service@cateye.com

**Maintenance**

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

**Replacing the battery**

If the display appears faded, replace the battery.

Install a new lithium battery (CR1620) with the (+) side facing upward. Then reinitialize the computer referring to “Preparing the computer”. 

---

*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 the DST exceeds 999.99 km, “E” (Error) is displayed as the average speed. Reset data.

**Changing the computer settings (menu screen)**

To bring up the menu screen, press **MENU** in any mode. Each time **MODE** is pressed, the relevant menu screen appears. Pressing and holding **MODE** changes the setting of the displayed menu.

**Setting** change (by pressing and holding)

**Wheel selection**
- Toggling the specified wheel size (tire circumference) and change it.
- 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.
- Before reinitializing the computer, note the total distance. This setting of the displayed menu.
- Clock setting
- To set the clock, refer to “Preparing the computer-4”.
- Total distance manual entry
- To restart 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 any signal for an hour, power-saving mode will activate and only the clock will be displayed.
- Alternatively, if the sensor detects a signal or MODE is pressed, the main display reappears.

**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.

Speed (Cadence) are not displayed. Touch a metal item against two contact points of the computer several times to create a short circuit while observing the display. If a numeric value appears, this signifies that the computer is functioning normally.

**Is the clearance between the sensor and magnet too great? (must be ≤ 3 mm)**
Adjust the positions of the magnet and sensor.

---

**Speed (Cadence)**
- Speed
- Cadence

**Parts kit**
- #160-0280N: Wheel magnet
- #169-9691N: Cadence magnet
- #160-2770: Bracket band
- #169-5651N: Wheel magnet
- #169-6766: Cadence magnet
- #169-6160: Lithium battery (CR1620)

**Maintenance**

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

**Replacing the battery**

If the display appears faded, replace the battery.

Install a new lithium battery (CR1620) with the (+) side facing upward. Then reinitialize the computer referring to “Preparing the computer”.

---

**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.

Speed (Cadence) are not displayed. Touch a metal item against two contact points of the computer several times to create a short circuit while observing the display. If a numeric value appears, this signifies that the computer is functioning normally.

**Is the clearance between the sensor and magnet too great? (must be ≤ 3 mm)**
Adjust the positions of the magnet and sensor.

---

**Speed (Cadence)**
- Speed
- Cadence

**Parts kit**
- #160-0280N: Wheel magnet
- #169-9691N: Cadence magnet
- #160-2770: Bracket band