THANK YOU FOR PURCHASING A CANNONDALE

Congratulations on your purchase of a Cannondale IQ Series Cyclocomputer. At Cannondale, we strive to produce products and accessories that contribute to your enjoyment of cycling.

While Cannondale has grown over the years, we remain a small company at heart. Our passion for performance, innovation, quality and service continue to drive our efforts. We thank you for sharing that passion, and for choosing Cannondale. We’ll see you out there.

Proper setup and operation will greatly enhance this product’s usefulness and your enjoyment. Please follow all Warnings on page 2 and read all sections of this manual carefully and become fully familiar with its operation before using it in the field.

YOUR CANNONDALE RETAILER

Along with this manual, your key source of information and assistance is the shop where you purchased your accessories. Your local Authorized Cannondale Retailer is your primary contact to discuss service and adjustment to this product, instruction in its use, and any warranty questions. To find the Cannondale retailer closest to you, call 1-800-BIKE-USA. Or you can use our dealer locator at our website www.cannondale.com.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPONENTS OF THE CYCLOCOMPUTER</td>
<td>1</td>
</tr>
<tr>
<td>WARNINGS &amp; CAUTIONS</td>
<td>2</td>
</tr>
<tr>
<td>REPLACING THE BATTERY</td>
<td>3</td>
</tr>
<tr>
<td>INSTALLING THE IQ108 CYCLOCOMPUTER ON YOUR BIKE</td>
<td>6-7</td>
</tr>
<tr>
<td>INSTALLING THE IQ114 CYCLOCOMPUTER ON YOUR BIKE</td>
<td>8-11</td>
</tr>
<tr>
<td>KEYS &amp; THEIR FUNCTIONS</td>
<td>12</td>
</tr>
<tr>
<td>SHIPPING MODE, SLEEP MODE &amp; RESET ALL</td>
<td>13</td>
</tr>
<tr>
<td>PROGRAMMING THE CYCLOCOMPUTER</td>
<td>14-19</td>
</tr>
<tr>
<td>OPERATING THE CYCLOCOMPUTER (IQ108)</td>
<td>20</td>
</tr>
<tr>
<td>OPERATING THE CYCLOCOMPUTER (IQ114)</td>
<td>21-27</td>
</tr>
<tr>
<td>TROUBLE SHOOTING</td>
<td>28</td>
</tr>
<tr>
<td>SPECIFICATIONS &amp; RANGES</td>
<td>29</td>
</tr>
<tr>
<td>WARRANTY &amp; CONTACT</td>
<td>30</td>
</tr>
</tbody>
</table>

# COMPONENTS OF THE CYCLOCOMPUTER

1. CYCLOCOMPUTER
2. MOUNTING BRACKET & WIRED SPEED SENSOR (IQ108)
3. MOUNTING BRACKET & WIRED SPEED SENSOR (IQ114)
4. CADENCE SENSOR (IQ114)
5. WHEEL MAGNET
6. CADENCE MAGNET (IQ114 ONLY)
7. RUBBER FASTENERS
8. ZIP TIES
WARNINGS & CAUTIONS

• **WARNING:** Failure to pay attention to the road, trail, traffic or your surroundings could result in an accident, with risk of serious injury, paralysis or death. You must focus on riding, not your computer. Learn computer operations, and do all possible computer operations when not riding. For any operations you choose to perform while riding, choose a time and place where this distraction has less risk.
• **CAUTION:** Mount the Cyclocomputer according to the directions in this instruction manual.
• **CAUTION:** Avoid direct impact to the Cyclocomputer unit.
• **CAUTION:** Do not submerge the Cyclocomputer unit.
• **CAUTION:** Avoid using the Cyclocomputer unit in or near strong electromagnetic fields such as high-voltage power lines or other transmitters.
• **CAUTION:** Do not disassemble the unit.
• **CAUTION:** Make sure the magnet and the transmitter are well aligned and check them regularly.
• **CAUTION:** Cannondale IQ Series Cyclocomputers are intended for use on bicycles only and should not be used on any motorized vehicle.
• **CAUTION:** Change the battery prior to failure to avoid data loss.
• **CAUTION:** Cannondale IQ Series Cyclocomputers are powered by a CR2032 3v Lithium Battery. Under normal conditions, battery life should be approximately one year.

REPLACING THE BATTERY

Cannondale IQ Series Cyclocomputers are powered by a CR2032 3v Lithium Battery. Under normal conditions, battery life should be approximately one year.

**INSTALLING OR REPLACING THE COMPUTER BATTERY**

1. Using a coin or flathead screwdriver, turn the battery door counter clockwise and remove the battery compartment cover.
2. Carefully remove the old battery. Take care not to damage the O-ring seal.
3. Place a new battery in the battery compartment with the positive (+) side facing the battery compartment door. **CAUTION:** Do not bend the battery contact.
4. Replace the battery compartment cover and tighten clockwise with a coin or flathead screwdriver.

**ALWAYS:** Check the batteries if you are experiencing problems with your computer. Most problems with the operation of this unit are the result of dead or dying batteries.

- Clean the unit with a mild detergent and a soft dry cloth. Never use any kind of solvent or alcohol.
- Keep your computer in good shape and use it safely.
- See your authorized Cannondale dealer if you have any trouble installing or maintaining your computer.
- Change the battery prior to failure to avoid data loss.
- Do not disassemble the unit.
- Make sure the magnet and the transmitter are well aligned and check them regularly.
- Cannondale IQ Series Cyclocomputers are intended for use on bicycles only and should not be used on any motorized vehicle.
- Change the battery prior to failure to avoid data loss.
- Cannondale IQ Series Cyclocomputers are powered by a CR2032 3v Lithium Battery. Under normal conditions, battery life should be approximately one year.
MOUNTING THE WIRED SPEED SENSOR (IQ108 only)
The wired speed sensor is best installed starting with the fork sensor unit and then working up toward the handlebar or stem bracket.

1. Pass the two cable ties through the sensor mounting holes and loosely mount the fork sensor body to the left fork blade (do not fully tighten the cable ties at this point).
2. Loosely install the sensor magnet to one of the spokes of the front wheel. Adjust the position of the magnet and sensor together so that the magnet is aligned with the line on the bottom edge of the sensor and 1-2 mm separates the two parts and tighten both parts in place.
3. Route the wire up the fork securing it in place with the zip ties provided or electrical tape.
4. Wrap any excess wire around the front brake cable housing. Use electrical tape to secure the cable in place if it is necessary. When you are done you should have just enough wire left for the handle bar or stem bracket to reach the mounting point.

CAUTION: Make sure to leave enough slack in the wire to allow for the motion of the bike steering system and the suspension fork if you have one.

INSTALLING THE CYCLOCOMPUTER ON YOUR BIKE - IQ108

Cannondale IQ Series Cyclocomputers give you the option of mounting the computer on your handle bars or stem.

MOUNTING THE HANDLEBAR/STEM BRACKET

1. Place the Cyclocomputer unit into the mounting bracket and turn clockwise until the unit snaps into place.

NOTE: Do not overtighten.
2. Place the mounting bracket in the desired position on handle bars or stem.
3. Select the appropriate size rubber fastener (small for handlebars, large for stem). Hook the rubber fastener onto one side of the mounting sleeve. Holding the fastener tightly, wrap the fastener under the handlebars or stem and attach to other side of mounting sleeve.

WARNING: Improper installation could lead to an accident with risk of serious injury, paralysis or death. All parts of the computer system must be securely attached to the bicycle in a way that prevents wires or other parts from being caught in the wheels and avoids any conflict with the braking, steering or shifting controls. We urge installation by a professional mechanic at a bicycle shop.
4. Route the sensor wire forward and under the bottom bracket and along the bottom of the down tube securing it occasionally with tape. Once you are near the head tube the sensor wire should be wrapped around the front or rear derailleur cable housing and the around the front brake cable housing.

5. Wrap any excess wire around the front brake cable housing. Use electrical tape to secure the cable in place if necessary. When you are done you should have just enough wire left to connect to the receiver unit’s mounting point.

CAUTION: Make sure you leave enough slack in the sensor wire so the handle bars can turn fully from side to side.

6. Insert the two wire ends into the contacts on the bottom of the receiver unit mounting bracket.

WARNING: Improper installation could lead to an accident, with risk of serious injury, paralysis or death. All parts of the computer system must be securely attached to the bicycle in a way that prevents wires or other parts from being caught in the wheels and avoids any conflict with the braking, steering or shifting controls. We urge installation by a professional mechanic at a bicycle shop.

INSTALLING THE CYCLOCOMPUTER ON YOUR BIKE - IQ114

MOUNTING THE WIRED CADENCE SENSOR (IQ114 only)
On the Cannondale IQ114, speed is picked up from the front wheel and cadence is picked up from the crank arm.

The wired cadence sensor is best installed starting with the cadence sensor unit and then working toward the handlebar or stem bracket.

1. Attach the cadence sensor to the LEFT chain stay near where the crank/pedal pass the stay using the zip-ties provided. Do not fully tighten zip-ties.

NOTE: The wires exiting the sensor should be pointing toward the front of the bike.

2. Attach the cadence magnet to the back side of the LEFT crank arm using the zip-tie provided.

3. Align the cadence sensor and magnet and rotate the sensor so the magnet passes within 1-3mm.
MOUNTING THE WIRED SPEED SENSOR
The wired speed sensor is best installed starting with the fork sensor unit and then working upward toward the handlebar or stem bracket.

1. Pass the two cable ties through the sensor mounting holes and loosely mount the fork sensor body to the left fork blade (do not fully tighten the cable ties at this point).
2. Loosely install the sensor magnet to one of the spokes of the front wheel. Adjust the position of the magnet and sensor together so that the magnet is aligned with the line on the bottom edge of the sensor and 1-2 mm separates the two parts and tighten both parts in place.
3. Route the wire up the fork securing it in place with the zip ties provided or electrical tape.
4. Wrap any excess wire around the front brake cable housing. Use electrical tape to secure the cable in place if it is necessary. When you are done you should have just enough wire left for the handle bar or stem bracket to reach the mounting point.

CAUTION: Make sure to leave enough slack in the wire to allow for the motion of the bike steering system and the suspension fork if you have one.

MOUNTING THE HANDLEBAR/STEM BRACKET
Cannondale IQ Series Cyclocomputers give you the option of mounting the computer on your handlebars or stem.

1. Place the Cyclocomputer unit into the mounting bracket and turn clockwise until the unit snaps into place.

NOTE: Do not over tighten.
2. Place the mounting bracket in the desired position on handlebars or stem.
3. Select the appropriate size rubber fastener (small for handlebars, large for stem). Hook the rubber fastener onto one side of the mounting sleeve.
   Holding the fastener tightly, wrap the fastener under the handlebar or stem and attach to the other side of the mounting sleeve.

WARNING: Improper installation could lead to an accident, with risk of serious injury, paralysis, or death. All parts of the computer system must be securely attached to the bicycle in a way that prevents wires or other parts from being caught in the wheels and avoids any conflict with the braking, steering, or shifting controls. We urge installation by a professional mechanic at a bicycle shop.
SHIPPING MODE, SLEEP MODE & RESET ALL

KEYS & THEIR FUNCTIONS

SET KEY
- Sets the value being adjusted in the Setting Sequence
- IQ114 ONLY: Access Sub Modes
- PRESS & HOLD: Accesses Setting Modes for Clock & Odometer in Operating Mode
- PRESS & HOLD: Clears all Ride Information to Zero

FUNCTION KEY
- Adjusts value in the Setting Sequence
- Scrolls through Main Operating modes
- PRESS & HOLD: Activates Backlight (IQ114 ONLY)

MODE KEY
- Adjusts value in the Setting Sequence
- Scrolls through Main Operating modes
- PRESS & HOLD: Activates Backlight (IQ114 ONLY)

SHIPPING MODE:
Your IQ Series Cyclocomputer is comes to your Cannondale dealer in SHIPPING mode. In this mode, the unit is set to its factory default settings. The center display line flashes ENGLISH (default language choice). Press either key to enter the Setting Sequence.

NOTE: It is possible the unit may arrive not in shipping mode if it has been accidentally activated. This should not have an adverse impact on the life of the battery. Press & Hold the SET & FUNCTION keys to enter the Setting Sequence.

SLEEP MODE:
To conserve battery life, when the Cyclocomputer does not receive a signal for a period of time, the unit goes into SLEEP mode. The display reads Time of Day in the lower display line. All other display fields are blank. Press any key to wake the unit and resume Operating mode.

RESET ALL:
To restore the unit back to its factory defaults and reset preferences of the Cyclocomputer, Press & Hold the SET & FUNCTION keys until all fields of the display are activated. The unit will automatically enter the Setting Sequence. All data will be lost.
THE SETTING SEQUENCE

In the Setting Sequence, the variable being adjusted will flash in the display. Press the FUNCTION key to adjust and Press the SET key to set the value and advance to the next variable.

SELECTING LANGUAGE

Your IQ Series Cyclocomputer has 5 language choices: English, German, French, Italian and Spanish. Scroll through choices by pressing the FUNCTION key. Press SET to Select language and advance to set units of measurement.

PROGRAMMING THE CYCLOCOMPUTER

PROGRAMMING THE CYCLOCOMPUTER

ADJUST:

PRESS FUNCTION

SETTING UNITS (MILES OR KILOMETERS)

Set Language & advance to Set Units: PRESS SET

PRESS SET

PROGRAMMING WHEEL SIZE

Cannondale IQ Series Cyclocomputers are preset to a 700 X 23 wheel size. To assure accurate Speed and Distance measurements, you must enter the correct wheel circumference (in millimeters). On page 14 is a chart listing most popular wheel sizes and their circumferences. If you can not find your wheel size on the chart, page 15 details the method for manually measuring your wheel size.

(continued next page)
If your wheel/tire size is not one of the sizes listed in the chart on the previous page, or if you desire absolute accuracy, you may enter an exact wheel circumference into the system.

1. On a flat open surface make a mark on your tire and the floor exactly where they meet.
2. Roll your bike forward one full revolution of the wheel and mark the point on the floor where the revolution is complete.
3. Measure the distance from the first mark to the second in millimeters and enter the resulting number into your computer using the following steps:

<table>
<thead>
<tr>
<th>Wheel Size</th>
<th>Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 X 1.0</td>
<td>1971</td>
</tr>
<tr>
<td>26 X 1.5</td>
<td>2026</td>
</tr>
<tr>
<td>26 X 1.6</td>
<td>2071</td>
</tr>
<tr>
<td>26 X 2</td>
<td>2114</td>
</tr>
<tr>
<td>700 X 20C</td>
<td>2154</td>
</tr>
<tr>
<td>700 X 23C</td>
<td>2193</td>
</tr>
<tr>
<td>700 X 25C</td>
<td>2246</td>
</tr>
<tr>
<td>700 X 28C</td>
<td>2349</td>
</tr>
<tr>
<td>700 X 32C</td>
<td>2794</td>
</tr>
<tr>
<td>700 X 35C</td>
<td>2805</td>
</tr>
<tr>
<td>700 X 40C</td>
<td>3224</td>
</tr>
</tbody>
</table>
PROGRAMMING THE CYCLOCOMPUTER

SETTING THE ODOMETER
Cannondale IQ Series Cyclocomputers allow you to manually program your odometer. This is useful for preserving distance totals in the event of battery failure or if you need to reset the computer for any reason.

SET & ADVANCE: PRESS SET
ADJUST: PRESS FUNCTION

Continue through all fields
Set Odometer & advance to Set Time: PRESS SET

SETTING TIME OF DAY
Cannondale IQ Series Cyclocomputers display Time of Day in 1-second resolution in 12 or 24-hour formats.

SET & ADVANCE: PRESS SET
ADJUST: PRESS FUNCTION

Set Time Mode & advance to Set Clock: PRESS SET

Continue through all fields
Set Clock & advance to Operating mode: PRESS SET

Downloaded from www.Manualslib.com manuals search engine
OPERATING THE CYCLOCOMPUTER

**IQ108:** The IQ108 has 6 modes of operation. **SCROLL THROUGH MODES** by **PRESSING** the **FUNCTION** key. To **RESET CURRENT INFORMATION** (Ride Time, Trip Distance, Average & Max Speed), **PRESS & HOLD** the **SET** key in any mode but Clock or Odometer.

**TIME OF DAY**
**PRESS & HOLD SET:** **SET CLOCK**

**TRIP DISTANCE**
**PRESS & HOLD SET:** **RESET**

**RIDE TIME**
**PRESS & HOLD SET:** **RESET**

**TOTAL DISTANCE (ODOMETER)**
**PRESS & HOLD SET:** **SET ODOMETER**

**MAX SPEED**
**PRESS & HOLD SET:** **RESET**

**AVERAGE SPEED**
**PRESS & HOLD SET:** **RESET**

OPERATING THE CYCLOCOMPUTER

**IQ114:** The IQ114 has 8 modes of operation. **SCROLL THROUGH MODES** by **PRESSING** the **FUNCTION** key. **ACCESS SUB MODES** by **PRESSING** the **SET** key. **ACCESS SETTING MODES** by **PRESSING & HOLDING** the **SET** key.

**TIME OF DAY**
**PRESS & HOLD SET:** **RESET**

**STOPWATCH**
**PRESS & HOLD SET:** **RESET**

**TRIP DISTANCE**
**PRESS & HOLD SET:** **RESET**

**RIDE TIME**
**PRESS & HOLD SET:** **RESET**

**CADENCE**
**PRESS & HOLD SET:** **RESET**

**TOTAL DISTANCE (ODOMETER)**
**PRESS & HOLD SET:** **SET ODOMETER**

**MAX SPEED**
**PRESS & HOLD SET:** **RESET**

**AVERAGE SPEED**
**PRESS & HOLD SET:** **RESET**
OPERATING THE CYCLOCOMPUTER

TIME OF DAY > REPAIR SUB MODE (IQ14 ONLY)
The IQ14 allows you to program a service alert for scheduling bike maintenance. In Time mode, PRESS the SET key to TOGGLE BETWEEN REPAIR MODE AND CLOCK. PRESS & HOLD the SET key to ACCESS THE SETTING SEQUENCE for Clock or Repair alert.

ACCESS SUB MODE: PRESS SET
SET TIME: PRESS & HOLD SET

ACCESS SETTING: PRESS SET
ADJUST: PRESS FUNCTION
SET & ADVANCE: PRESS SET

Continue through all fields
Set Repair Alert & return to Operating mode: PRESS SET

OPERATING THE CYCLOCOMPUTER

OPERATING THE STOPWATCH (IQ14 ONLY)
The IQ14 is equipped with a 100-hour stopwatch with 1-second resolution. In Stopwatch mode, PRESS the SET key TO STOP OR START TIMING. PRESS & HOLD the SET key TO RESET the Stopwatch.

START TIMING: PRESS SET
STOP TIMING: PRESS SET
RESET STOPWATCH: PRESS & HOLD SET

OPERATING THE CYCLOCOMPUTER
OPERATING THE CYCLOCOMPUTER

RESET CURRENT INFORMATION > TRIP DISTANCE, RIDE TIME, AVERAGE SPEED & MAX SPEED MODES (IQ114 ONLY)

To CLEAR ALL CURRENT INFORMATION, PRESS & HOLD the SET key in Trip Distance, Ride Time, Average Speed or Max Speed modes.

ODOMETER > TRIP DOWN/TRIP UP SUB MODE (IQ114 ONLY)

The IQ114 is equipped with separate Odometer sub mode that allows you to preset a specific distance and gives the option of counting down the selected distance. In Odometer mode, PRESS the SET key TO ACCESS TRIP DOWN/UP SUB MODE. PRESS & HOLD the SET key TO ACCESS ODOMETER SETTING SEQUENCE.

- **ODOMETER MODE**
  - ACCESS SUB MODE: PRESS SET
  - SET ODOMETER: PRESS & HOLD SET

- **TRIP DOWN/UP**
  - ACCESS SETTING: PRESS & HOLD SET
  - ADJUST: PRESS FUNCTION SET & ADVANCE

- **SELECT TRIP UP**
  - ACCESS SETTING: PRESS & HOLD SET
  - ADJUST: PRESS FUNCTION SET & ADVANCE

- **TRIP DOWN**
  - ACCESS SETTING: PRESS & HOLD SET
  - ADJUST: PRESS FUNCTION SET & ADVANCE

Continue through all fields

Set Distance & return to Operating Mode: PRESS SET

---

Downloaded from www.Manualslib.com manuals search engine
OPERATING THE CYCLOCOMPUTER

CADENCE MODE (IQ114 ONLY)

SCROLL THROUGH CADENCE SUB MODES, PRESS the SET key. To CLEAR ALL CURRENT INFORMATION, PRESS & HOLD the SET key.

NOTE: Excessive use of the Back Light will reduce battery life.

OPERATING THE BACKLIGHT

IQ Series Cyclocomputers are equipped with a Back Light system for viewing information in low light conditions. To ACTIVATE THE BACK LIGHT, PRESS & HOLD the FUNCTION key in any operating mode.

RESET:
PRESS & HOLD SET
TROUBLE SHOOTING

- DECREASED CONTRAST IN DISPLAY SCREEN: Battery is weak and must be replaced.
- DISPLAY IS BLANK: Change the battery or reset the computer.
- DISPLAY SHOWS PARTIAL DIGITS: Reset the computer.
- SPEED/DISTANCE NOT RECORDING: Check sensor/magnet alignment. Make sure that the sensor is no more than 3mm from the magnet.
- ENTIRE SCREEN IS DARK: Unit may have been over exposed to direct sunlight. Move the bike to the shade. The data will be OK.
- NO OR ERATIC SPEED DISPLAY: 1) Distance between magnet and transmitter is too great (>3 mm maximum). 2) Interference from electro magnetic field. 3) Sensor wires may be fully or partially severed.

SPECIFICATIONS & RANGES

TIME OF DAY
- 24 hours with one-second resolution
- Functional in either 12 or 24 hour formats

ODOMETER
- 9999.9 miles or kilometers
- Trip Odometer: 99.9 miles or kilometers
- 1 mile or 1 kilometer resolution

WHEEL SIZE
- Wheel circumference measured in millimeters

SPEED
- 0-199.9 MPH or KPH
- 0.1 MPH or KPH resolution

CADENCE (IQ114 only)
- 0-480 RPM with 1 RPM resolution

STOPWATCH
- 99h 59m 59s
- 1 second resolution
WARRANTY: All Cannondale bicycle accessories are fully guaranteed to the original owner against defects in materials and/or workmanship for the life of the product. The product warranty is not valid if a product fails because of accidents, misuse, normal wear and tear or improper care.

CANNONDALE USA
172 Friendship Road
Bedford, Pennsylvania 15522
(Voice): 1-800-BIKEUSA
(Fax): 814-623-6173
custserv@cannondale.com
www.cannondale.com

CANNONDALE EUROPE
mail: Postbus 5100
visits: Hanzepoort 27 7570 GC
Oldenzaal Netherlands
(Voice): +31-5415-14240
Fax (02)9979 5688
www.cannondale.com

CANNONDALE AUSTRALIA
Unit 6, 4 Prosperity Parade
Warriewood N.S.W 2102, Australia
Phone (02)9979 5851
Fax(02)9979 5688
cannondaleaustralia@cannondale.com

CANNONDALE JAPAN
12-5 Harayamadai
5-cho Sakai City Osaka,
Japan 590-0132
(Voice): 011.81.722.99.9399
(Fax): 0722-93-6166

www.cannondale.com/tech
120012.PDF 10/06