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

COMPONENTS OF THE CYCLOCOMPUTER 1
WARNINGS & CAUTIONS 2
REPLACING THE BATTERY 3
INSTALLING THE CYCLOCOMPUTER ON YOUR BIKE 4-5
KEYS & THEIR FUNCTIONS 6
SHIPPING MODE, SLEEP MODE & RESET ALL 7
PROGRAMMING THE CYCLOCOMPUTER 8-13
OPERATING THE CYCLOCOMPUTER 14-21
TROUBLE SHOOTING 22
SPECIFICATIONS & RANGES 23
WARRANTY & CONTACT 24

COMPONENTS OF THE CYCLOCOMPUTER

1 CYCLOCOMPUTER
2 WIRELESS MOUNTING BRACKET
3 WIRELESS SPEED SENSOR
4 WHEEL MAGNET
5 RUBBER FASTENERS
6 ZIP TIES
REPLACING THE BATTERY

Cannondale IQ118 Cyclocomputers use a CR2032 3v Lithium Battery in both the transmitter and the cyclocomputer units. Under normal conditions, battery life should be approximately one year.

INSTALLING OR REPLACING THE COMPUTER BATTERY

1. CYCLOCOMPUTER UNIT: 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. CYCLOCOMPUTER UNIT: Replace the battery compartment cover and tighten clockwise with a coin or flathead screwdriver.

5. TRANSMITTER UNIT: Using a small phillips screwdriver, loosen the screws on each corner of the battery compartment cover and remove the battery compartment cover.

6. Replace the battery compartment cover and tighten the screws on each corner of the battery compartment cover with a small 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.

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.

• **Change the battery prior to failure to avoid data loss.**

• **See your authorized Cannondale dealer if you have any trouble installing or maintaining your computer.**

• **Keep your computer in good shape and use it safely.**

• **Clean the unit with a mild detergent and a soft dry cloth. Never use any kind of solvent or alcohol.**
MOUNTING THE WIRELESS SPEED SENSOR

1. Pass the two cable ties through the sensor mounting holes and loosely mount to the left fork leg using the rubber sensor mounting pad (do not fully tighten the cable ties at this point). The sensor should be mounted as close to the top of the fork as possible with the cap of the battery door toward the wheel. Make sure that the distance between the sensor and the handlebars is no more than 24 in. (610mm).

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. DO NOT over-tighten the magnet screw.

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.
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

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

**FUNCTION KEY**
- Sets the value being adjusted in the Setting Sequence

SHIPPING MODE, SLEEP MODE & RESET ALL

**SHIPPING MODE**: Your IQ Series Cyclocomputer 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.

NOTE: You must first select Bike 2 (see Operating the Cyclocomputer, Page XX) to effect settings for alternate bike.

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

MANUALLY SETTING WHEEL SIZE

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:

POPULAR WHEEL SIZES

The charts at left show the measurement conversion for many popular wheel sizes.

<table>
<thead>
<tr>
<th>Wheel Size</th>
<th>Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 x 1.0</td>
<td>1973</td>
</tr>
<tr>
<td>26 x 1.5</td>
<td>2026</td>
</tr>
<tr>
<td>26 x 1.6</td>
<td>2051</td>
</tr>
<tr>
<td>26 x 2</td>
<td>2114</td>
</tr>
<tr>
<td>700 x 20C</td>
<td>2134</td>
</tr>
<tr>
<td>700 x 23C</td>
<td>2133</td>
</tr>
<tr>
<td>700 x 25C</td>
<td>2146</td>
</tr>
<tr>
<td>700 x 28C</td>
<td>2149</td>
</tr>
<tr>
<td>700 x 32C</td>
<td>2174</td>
</tr>
<tr>
<td>700 x 35C</td>
<td>2205</td>
</tr>
<tr>
<td>700 x 40C</td>
<td>2224</td>
</tr>
<tr>
<td>700 x 3C</td>
<td>2205</td>
</tr>
<tr>
<td>700 x 40C</td>
<td>2224</td>
</tr>
<tr>
<td>700 x 4C</td>
<td>2224</td>
</tr>
</tbody>
</table>

ROLL FORWARD

WHEEL CIRCUMFERENCE

STEM
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.

ADJUST: PRESS FUNCTION

SET & ADVANCE: PRESS SET

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.

ADJUST: PRESS FUNCTION

SET & ADVANCE: PRESS SET

Set Time Mode & advance to Set Clock: PRESS SET

ADJUST: PRESS FUNCTION

Continue through all fields

Set Clock & advance to Operating mode: PRESS SET
OPERATING THE CYCLOCOMPUTER

The IQ118 has 5 main modes of operation. SCROLL THROUGH MODES by PRESSING the FUNCTION key. ACCESS SUB MODES by PRESSING the SET key. RESET CURRENT INFORMATION by PRESSING & HOLDING the SET key in Trip Distance or Ride Time modes.

TIME OF DAY > REPAIR SUB MODE
The IQ118 allows you to program a service alert for scheduling bike maintenance. In Time mode, PRESS the SET key to SCROLL THROUGH CLOCK, REPAIR ALERT AND TEMPERATURE sub modes. PRESS & HOLD the SET key to ACCESS THE SETTING SEQUENCE in Clock or Repair Alert.

ACCESS SUB MODE: PRESS SET
SET TIME: PRESS & HOLD SET
ADJUST: PRESS FUNCTION
SET & ADVANCE: PRESS SET

ACCESS SETTING: PRESS & HOLD SET

TEMPERATURE
Change Temperature Units (°C or °F): PRESS & HOLD SET

Set Repair Alert & return to Operating mode: PRESS SET

Continue through all fields
**OPERATING THE CYCLOCOMPUTER**

**OPERATING THE STOPWATCH**

The IQ118 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.

**TRIP DISTANCE MODE > AVERAGE & MAX SPEED SUB MODES**

SCROLL THROUGH SUB MODES by **PRESSING the SET key**. **RESET CURRENT INFORMATION** by **PRESSING & HOLDING the SET key**.
OPERATING THE CYCLOCOMPUTER

**RIDE TIME MODE > TOTAL TIME SUB MODES**
The IQ118 displays current riding time as well as cumulative ride time for current Bike selected and total ride time for both bike selections. **SCROLL THROUGH SUB MODES by PRESSING the SET key.** **RESET CURRENT INFORMATION by PRESSING & HOLDING the SET key.** **SELECT BIKE 1 OR BIKE 2 by PRESSING & HOLDING the FUNCTION key in Total Time mode.**

**ODOMETER > TRIP DOWN/TRIP UP SUB MODE**
The IQ118 is equipped with separate Odometer sub mode that allows you to preset a specific distance and gives the option of counting down the set 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.**

---

**Set Distance & return to Operating mode:** **PRESS SET**
**Continue through all fields:** **PRESS SET**

---

**Select Trip Up/Trip Down: PRESS FUNCTION SET & ADVANCE: PRESS SET**

---

**Adjust Distance: PRESS FUNCTION SET & ADVANCE: PRESS SET**

---

**Access Setting: PRESS & HOLD SET**
**Access Setting: PRESS & HOLD SET**

---

**Total Distance:** **29.863**
**Trip Down:** **6.0000**

---

**Total Time:** **1:13:05**
**Trip Down:** **6.0000**

---

**Access Sub Mode:** **PRESS SET**
**Set Odometer:** **PRESS & HOLD SET**

---

**Reset:** **PRESS & HOLD SET**
**Select Bike 1 or 2:** **PRESS & HOLD FUNCTION**

---

**Ride Time:** **3:05:**
**Total Time Bike 1 & 2:** **5:35:23**
**Trip Time:** **1:36:52**
**Trip Time Bike 1:** **1:36:52**
**Trip Time Bike 2:** **2:29:52**

---

**Access Setting:** **PRESS & HOLD SET**
**Select Trip Up/Trip Down:** **PRESS SET**

---

**Adjust Distance:** **PRESS FUNCTION SET & ADVANCE: PRESS SET**

---

**Set Distance & return to Operating mode:** **PRESS SET**
**Continue through all fields:** **PRESS SET**
OPERATING THE CYCLOCOMPUTER

RESETTING THE CYCLOCOMPUTER
To CLEAR ALL CURRENT INFORMATION (Trip Distance, Ride Time, Average & Max speed), PRESS & HOLD the SET key in any of the following modes:

OPERATING THE BACKLIGHT
The IQ118 is 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.

NOTE: Excessive use of the Back Light will reduce battery life.
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: 999.9 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

TEMPERATURE
• Unit Selectable (°C or °F)
• Temperature Range: 32-122 °F (0-50 °C)

STOPWATCH
• 99h 59m 59s
• 1 second resolution
WARRANTY & CONTACT

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): +41 61.4879380
(Fax): 31-5415-14240
servicedeskeurope@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
cjcustserv@cannondale.com
www.cannondale.com/tech
120012.PDF 10/06