

CANNONDALE IQ118

WIRELESS CYCLOCOMPUTER

USER GUIDE



cannondale

english / deutsch / español / italiano / français

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.

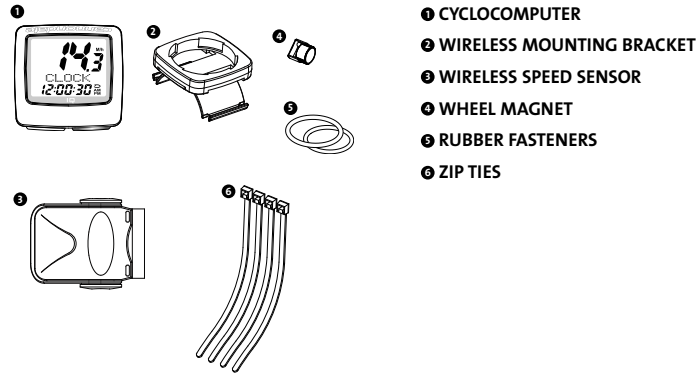
YOUR CANNONDALE RETAILER

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



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.

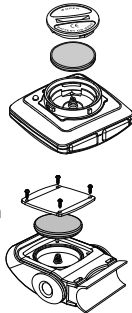
REPLACING THE BATTERY

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



INSTALLING THE CYCLOCOMPUTER ON YOUR BIKE

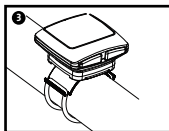
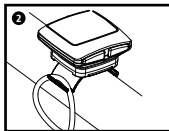
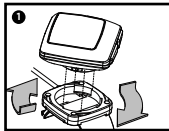
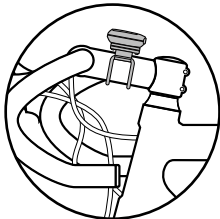
Cannondale IQ Series Cyclocomputers give you the option of mounting the computer on your handle bars or stem.

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 over tighten.

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 handle bars or stem and attach to other side of mounting sleeve.

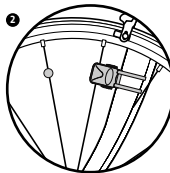
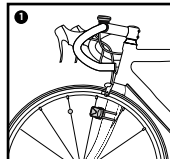


INSTALLING THE CYCLOCOMPUTER ON YOUR BIKE

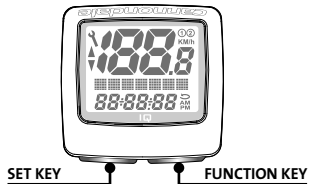
MOUNTING THE WIRELESS SPEED SENSOR

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**)

SHIPPING MODE, SLEEP MODE & RESET ALL

SHIPPING & SLEEP MODES

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.



PROGRAMMING THE CYCLOCOMPUTER

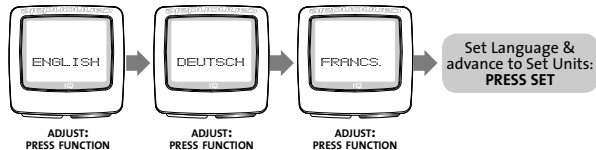
THE SETTING SEQUENCE

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.

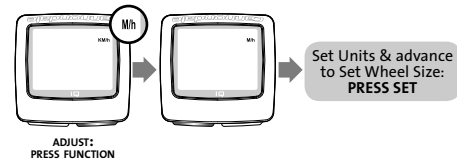
SELECTING LANGUAGE

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

SETTING UNITS (MILES OR KILOMETERS)



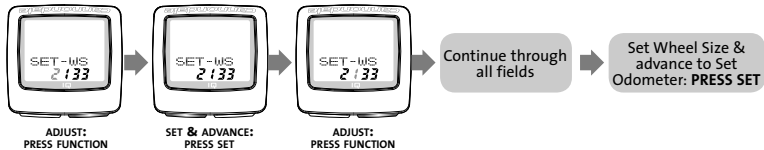
PROGRAMMING WHEEL SIZE

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)

PROGRAMMING THE CYCLOCOMPUTER

PROGRAMMING WHEEL SIZE (CONTINUED)



POPULAR WHEEL SIZES

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

WHEEL SIZE	CIRCUMFERENCE
26 X 1.0	1973
26 X 1.5	2026
26 X 1.6	2051
26 X 2	2114
700 X 20C	2114
700 X 23C	2133

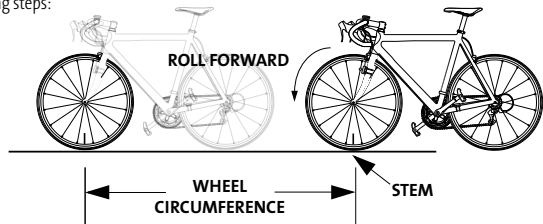
WHEEL SIZE	CIRCUMFERENCE
700 X 25C	2146
700 X 28C	2149
700 X 32C	2174
700 X 35C	2205
700 X 40C	2224

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.

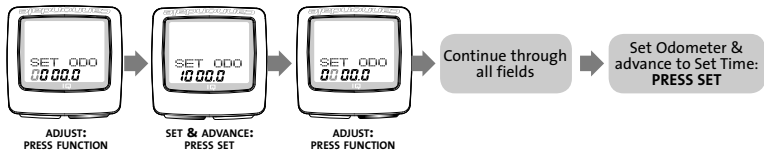
1. On a flat open surface make a mark on your tire and the floor exactly where they meet.
2. Roll your bike forward one full revolution of the wheel and mark the point on the floor where the revolution is complete.
3. Measure the distance from the first mark to the second in millimeters and enter the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



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.

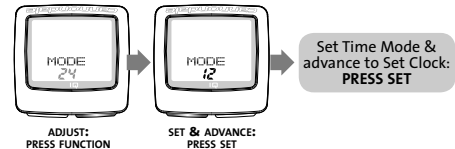


PROGRAMMING THE CYCLOCOMPUTER

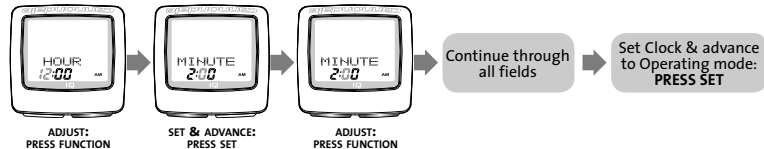
SETTING TIME OF DAY

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

SETTING 12 OR 24-HOUR MODE

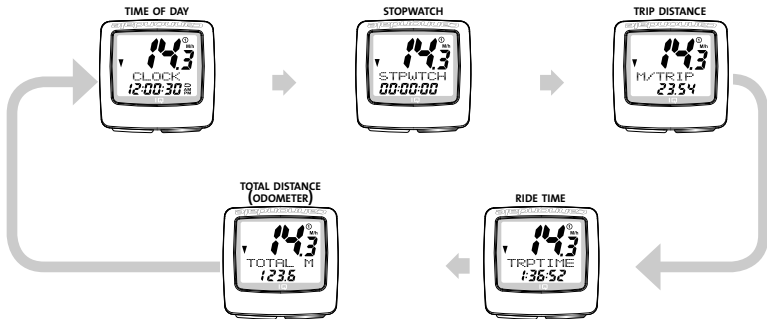


SETTING TIME OF DAY



OPERATING THE CYCLOCOMPUTER

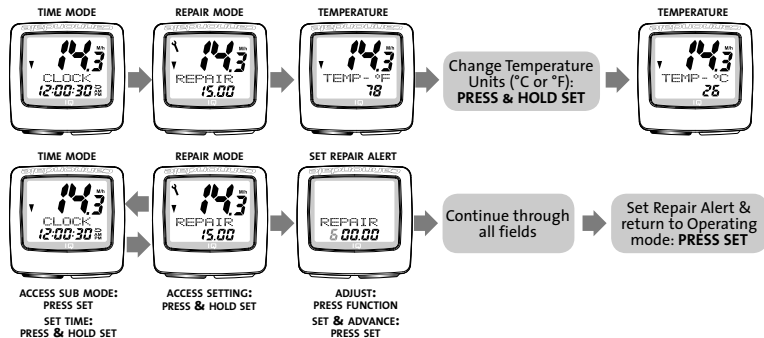
The IQ118 has 5 main modes of operation. **SCROLL THROUGH MODES** by **PRESSING** the **FUNCTION** key. **ACCESS SUB MODES** by **PRESSING** the **SET** key. **RESET CURRENT INFORMATION** by **PRESSING & HOLDING** the **SET** key in Trip Distance or Ride Time modes.



OPERATING THE CYCLOCOMPUTER

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.



OPERATING THE CYCLOCOMPUTER

OPERATING THE STOPWATCH

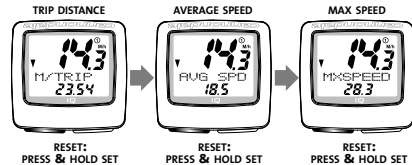
The IQ118 is equipped with a 100-hour stopwatch with 1-second resolution. In Stopwatch mode, **PRESS** the **SET** key **TO STOP OR START TIMING**. **PRESS & HOLD** the **SET** key **TO RESET** the Stopwatch.



OPERATING THE CYCLOCOMPUTER

TRIP DISTANCE MODE > AVERAGE & MAX SPEED SUB MODES

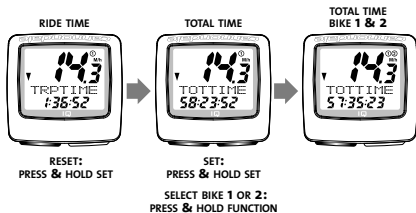
SCROLL THROUGH SUB MODES by **PRESSING** the **SET** key. **RESET CURRENT INFORMATION** by **PRESSING & HOLDING** the **SET** key.



OPERATING THE CYCLOCOMPUTER

RIDE TIME MODE > TOTAL TIME SUB MODES

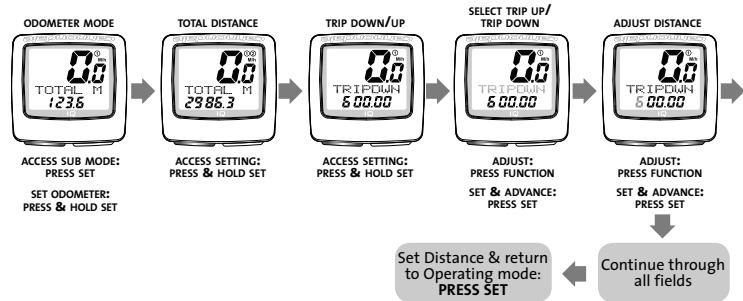
The IQ118 displays current riding time as well as cumulative ride time for current Bike selected and total ride time for both bike selections. **SCROLL THROUGH SUB MODES** by **PRESSING** the **SET** key. **RESET CURRENT INFORMATION** by **PRESSING & HOLDING** the **SET** key. **SELECT BIKE 1 OR BIKE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



OPERATING THE CYCLOCOMPUTER

ODOMETER > TRIP DOWN/TRIP UP SUB MODE

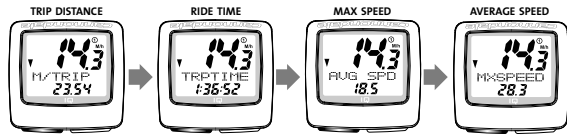
The IQ118 is equipped with separate Odometer sub mode that allows you to preset a specific distance and gives the option of counting down the set distance. In Odometer mode, **PRESS** the **SET** key **TO ACCESS TRIP DOWN/UP SUB MODE**. **PRESS & HOLD** the **SET** key **TO ACCESS ODOMETER SETTING SEQUENCE**.



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 CYCLOCOMPUTER

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.



ACTIVATE
BACKLIGHT:
PRESS & HOLD
FUNCTION

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.

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