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## CATEYE CC-VT235W

# CatEye Velo Plus Wireless Cycling Computer Instruction Manual

Model: CC-VT235W

## 1. INTRODUCTION

The CatEye Velo Plus Wireless cycling computer (Model CC-VT235W) is designed to provide essential cycling data wirelessly. This device tracks current, average, and maximum speed, trip distance, total distance, elapsed time, clock, and calorie consumption. Its user-friendly interface and easy installation make it suitable for various bicycle types, including 27.5 and 29-inch wheels.

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Velo Plus Wireless cycling computer to ensure optimal performance and longevity.

## 2. SAFETY PRECAUTIONS

- Always prioritize road safety. Do not operate the computer or adjust settings while riding.
- Ensure the computer and sensor are securely mounted to prevent detachment during cycling.
- Keep batteries out of reach of children. If swallowed, seek immediate medical attention.
- Do not disassemble or modify the unit. This may cause damage and void the warranty.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or strong impacts.

## 3. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- CatEye Velo Plus Wireless Computer Unit
- Speed Sensor (Wireless)
- Wheel Magnet
- FlexTight™ Bracket (for computer unit)
- Sensor Mount (for speed sensor)
- Cable Ties (for mounting)

- CR2032 Battery (pre-installed in computer and sensor)
- Instruction Manual (this document)

## 4. SETUP

### 4.1. Installation of Computer Unit

1. Attach the FlexTight™ bracket to your handlebar or stem. Ensure it is securely fastened.
2. Slide the Velo Plus Wireless computer unit onto the bracket until it clicks into place.



*Image: The CatEye Velo Plus Wireless cycling computer displaying speed and time, typically mounted on a bicycle handlebar.*

## 4.2. Installation of Speed Sensor and Magnet

1. Attach the speed sensor to the front fork of your bicycle using the provided cable ties. Position it on the side where the wheel magnet will pass.
2. Attach the wheel magnet to a spoke on the front wheel.
3. Adjust the position of the sensor and magnet so that the magnet passes within 5mm of the sensor's detection area. Ensure they do not touch.
4. Rotate the wheel to confirm the magnet passes the sensor correctly and the computer registers speed.

## 4.3. Initial Settings

After installation, you need to configure the computer for accurate readings:

- **Wheel Circumference:** Refer to your bicycle tire's sidewall for the ETRTO size (e.g., 700x23C). Use the provided chart in the full manual (or an online calculator) to find the corresponding wheel circumference in millimeters. Enter this value into the computer.
- **Unit Selection:** Choose between kilometers per hour (km/h) or miles per hour (mph).
- **Clock Setting:** Set the current time.
- **Odometer Setting:** If replacing an old computer, you can input your previous total distance. Otherwise, set to 0.

Consult the detailed instructions that came with your product for specific button presses to navigate these settings.

# 5. OPERATING THE VELO PLUS WIRELESS

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## 5.1. Basic Functions and Display Modes

The Velo Plus Wireless displays various data points. Press the single button on the front of the unit to cycle through the display modes:

- **Current Speed:** Always displayed prominently.
- **Average Speed:** The average speed for the current trip.
- **Maximum Speed:** The highest speed recorded during the current trip.
- **Trip Distance (Dst):** Distance covered during the current trip.
- **Total Distance (Odo):** Cumulative distance recorded since the last reset or initial setup.
- **Elapsed Time (Tm):** Total time spent cycling during the current trip.
- **Clock:** Current time.
- **Calorie Consumption:** Estimated calories burned during the current trip.

## 5.2. Button Operations

The Velo Plus Wireless features a single button at the bottom of the unit for all operations:

- **Short Press:** Cycles through the various display modes (e.g., Trip Distance, Elapsed Time, Average Speed).
- **Long Press:** Used to reset trip data (Trip Distance, Elapsed Time, Average Speed, Max Speed, Calorie Consumption) or to enter/exit setting modes. The specific duration of the long press may vary depending on the context.

The computer automatically starts and stops recording when it detects wheel movement. It will enter sleep mode after a period of inactivity to conserve battery.

## 6. MAINTENANCE

### 6.1. Battery Replacement

Both the computer unit and the speed sensor use CR2032 coin cell batteries.

- **Computer Unit:** The battery typically lasts approximately 1 year with 1 hour of use per day. When the battery icon appears or the display becomes dim, replace the battery. Use a coin to twist open the battery cover on the back of the unit.
- **Speed Sensor:** The sensor battery typically lasts for approximately 10,000 km (6,250 miles) of total distance. Replace the battery when the sensor's signal becomes intermittent or stops transmitting. Open the sensor casing carefully to access the battery.
- Ensure correct polarity when inserting new batteries. Dispose of old batteries responsibly.

### 6.2. Cleaning

Wipe the computer unit and sensor with a soft, damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the unit's finish or internal components. The unit is water-resistant but not submersible; avoid high-pressure washing.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No speed display / Intermittent readings	<ul style="list-style-type: none"><li>• Sensor/magnet misalignment</li><li>• Sensor battery low/dead</li><li>• Interference</li></ul>	<ul style="list-style-type: none"><li>• Adjust sensor and magnet to be within 5mm.</li><li>• Replace sensor battery.</li><li>• Move away from strong electromagnetic sources.</li></ul>
Incorrect speed/distance	<ul style="list-style-type: none"><li>• Incorrect wheel circumference setting</li><li>• Sensor/magnet issue</li></ul>	<ul style="list-style-type: none"><li>• Verify and correct wheel circumference setting.</li><li>• Check sensor and magnet alignment.</li></ul>
Display is dim or blank	<ul style="list-style-type: none"><li>• Computer battery low/dead</li><li>• Unit in sleep mode</li></ul>	<ul style="list-style-type: none"><li>• Replace computer battery.</li><li>• Press the button or start riding to wake the unit.</li></ul>
Cannot reset trip data	<ul style="list-style-type: none"><li>• Incorrect button operation</li></ul>	<ul style="list-style-type: none"><li>• Ensure a long press is applied in the correct display mode. Refer to the full manual for specific reset procedures.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Brand	CATEYE
Model Name	Velo Wireless CC-VT235W
Product Dimensions	1.97" L x 2.76" W x 1.97" H
Item Weight	0.08 Kilograms
Screen Size	37 Millimeters
Display Type	LCD
Battery Life (Computer)	Approx. 1 year (1hr use per day)
Battery Life (Sensor)	Approx. 10,000 km (6,250 miles) total distance
Sensor Type	Speed Sensor
Battery Cell Composition	Lithium Ion (CR2032)
Connectivity Technology	Wireless (ANT, Bluetooth - <i>Note: Product description mentions wireless, specifications mention ANT/Bluetooth. Assuming it's compatible with both or one of them for wireless transmission.</i> )
Mounting Type	Handlebar Mount
Human Interface Input	Buttons
Material	Plastic, Synthetic

## 9. WARRANTY AND SUPPORT

CatEye products are manufactured to high standards and are typically covered by a manufacturer's warranty against defects in materials and workmanship. The specific warranty period and terms may vary by region and product.

For warranty claims, technical support, or further assistance, please contact CatEye customer service or visit the official CatEye website. Keep your proof of purchase for warranty validation.

Official CatEye Website: [www.cateye.com](http://www.cateye.com)