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› SIGMA BC 8.0 WL Wireless Bicycle Computer User Manual

Sigma BC 8.0 WL (08211)

SIGMA BC 8.0 WL Wireless Bicycle Computer User Manual

Model: BC 8.0 WL (08211) | Brand: Sigma

1. PRODUCT OVERVIEW

The SIGMA BC 8.0 WL is a wireless bicycle computer designed to provide essential riding data with ease and reliability. Its intuitive interface and robust construction make it suitable for both training and recreational cycling.



Image: The SIGMA BC 8.0 WL Wireless Bicycle Computer, showing its clear display with current speed and trip distance.

Key Features:

- **Precise Speed Measurement:** Continuously monitors and displays your current speed, ideal for tracking performance.
- **User-Friendly Design:** Features large buttons and a clear 1.9-inch FSTN display for easy operation and readability in various conditions.
- **Wireless Connectivity:** Ensures fast and secure data transfer from the speed sensor to the computer,

keeping your riding data accurate and accessible.

- **Extended Battery Life:** Offers over two years of reliable battery performance, minimizing maintenance needs.
- **Quick and Easy Installation:** Mounts in minutes without the need for complex cable connections.
- **Waterproof Construction:** Designed to withstand various weather conditions, ensuring durability and consistent performance.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, ensure all components are present in the package:

PACKAGING INCLUDES



Image: All components included in the SIGMA BC 8.0 WL package: the computer unit, wireless speed sensor, handlebar/stem mount, spoke magnet, and zip ties for secure attachment.

- SIGMA BC 8.0 WL Bicycle Computer Unit
- Wireless Speed Sensor (ATS)
- Handlebar/Stem Mount
- Spoke Magnet

- Zip Ties for Mounting
- CR2032 Battery (pre-installed or included)

2.2 Mounting the Computer

1. Select a suitable position on your handlebar or stem for the mount.
2. Secure the mount using the provided zip ties. Ensure it is firmly attached and does not rotate.
3. Slide the BC 8.0 WL computer onto the mount until it clicks securely into place.

2.3 Mounting the Speed Sensor and Magnet

1. Attach the wireless speed sensor to the front fork, ensuring it is positioned opposite the spokes.
2. Secure the sensor with the provided zip ties.
3. Attach the spoke magnet to a spoke on the front wheel.
4. Adjust the magnet's position so that it passes the sensor with a gap of approximately 1-5 mm. The magnet should align with the marked area on the sensor.

2.4 Initial Setup and Wheel Size Setting

After mounting, you will need to set the wheel size for accurate speed and distance measurements. Refer to the table below for common wheel sizes or measure your wheel circumference precisely.

Wheel Size	Circumference (mm)
16 inch	1272
20 inch	1596
26 inch	2099
27.5 inch	2180
28 inch	2230
29 inch	2300

1. Press and hold the SET button (usually on the back or bottom of the unit) to enter setup mode.
2. Navigate through the settings using the MODE button.
3. When the wheel size setting appears, use the SET button to adjust the value according to your wheel's circumference.
4. Confirm the setting by pressing the MODE button.

3. OPERATION

3.1 Basic Functions

The SIGMA BC 8.0 WL offers 8 essential functions to track your ride data:

8 FUNCTIONS

WIRELESS



Image: The SIGMA BC 8.0 WL can display various functions, including current speed, ride time, and average speed, providing comprehensive ride data.

- **Current Speed:** Displays your real-time riding speed.
- **Average Speed:** Shows the average speed of your current ride.
- **Maximum Speed:** Records the highest speed achieved during your ride.
- **Trip Distance:** Measures the distance covered in your current ride.
- **Total Distance:** Accumulates the total distance covered over all rides.
- **Ride Time:** Tracks the duration of your current ride.
- **Total Ride Time:** Accumulates the total time spent cycling.
- **Clock (12/24h):** Displays the current time.

3.2 Button Functions

The BC 8.0 WL typically features one or two buttons for operation:

- **MODE Button:** Short press to cycle through different display functions (e.g., Trip Distance, Ride Time,

Average Speed). Long press to enter or exit certain settings menus.

- **SET Button (if present):** Used for confirming selections or adjusting values within setup mode.

3.3 Display Modes

The computer automatically switches between active and sleep modes to conserve battery. When you start riding, it will automatically wake up and display your current speed. Press the MODE button to view other functions.

4. MAINTENANCE

4.1 Battery Replacement

The SIGMA BC 8.0 WL uses a CR2032 coin cell battery, offering over two years of life under normal usage. When the display becomes dim or erratic, it's time to replace the battery.



Image: The rear of the SIGMA BC 8.0 WL computer with the battery cover removed, revealing the CR2032 coin cell battery for replacement.

1. Carefully remove the computer unit from its mount.
2. Locate the battery compartment on the back of the unit. Use a coin or small screwdriver to twist the battery cover counter-clockwise to open.
3. Remove the old CR2032 battery.
4. Insert a new CR2032 battery with the positive (+) side facing up.
5. Replace the battery cover and twist clockwise to secure it. Ensure it is tightly sealed to maintain waterproof integrity.

4.2 Cleaning

Clean the computer and sensor regularly with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the display or casing. The unit is waterproof, but avoid submerging it for extended periods or using high-pressure water jets directly on it.



Image: The SIGMA BC 8.0 WL computer on a bike, showing its waterproof capability with water droplets on its surface.

4.3 Storage

When not in use for extended periods, store the computer in a cool, dry place away from direct sunlight. If storing for several months, consider removing the battery to prevent leakage.

5. TROUBLESHOOTING

If you encounter issues with your SIGMA BC 8.0 WL, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No speed display / erratic readings	Sensor/magnet misalignment, dead sensor battery, interference, incorrect wheel size.	Check sensor-magnet gap (1-5mm). Ensure magnet passes sensor correctly. Replace sensor battery. Move away from strong electromagnetic fields. Verify wheel size setting.
Display is dim or blank	Computer battery low or dead.	Replace the computer's CR2032 battery.
Incorrect distance/speed	Incorrect wheel size setting.	Re-enter setup mode and verify the wheel circumference setting.
Computer not responding to buttons	Temporary software glitch, low battery.	Remove and reinsert the battery to reset the unit. Replace battery if low.

6. TECHNICAL SPECIFICATIONS

Detailed specifications for the SIGMA BC 8.0 WL Wireless Bicycle Computer:



Image: Visual representation of the SIGMA BC 8.0 WL's compact dimensions and 1.9-inch screen size.

Feature	Specification
Model Number	08211
Dimensions (L x W x H)	5.5 x 4 x 1.4 cm (approx. 2.17 x 1.57 x 0.55 inches)
Weight	27 grams
Screen Size	1.9 Inches
Display Type	FSTN
Material	Plastic
Color	Black
Battery Type	CR2032 (Lithium Metal)
Battery Life	2+ Years (typical)

Feature	Specification
Connectivity	Wireless (ATS)
Water Resistance	Yes (Waterproof)
Included Components	Bike Computer, Speed Sensor, Mount, Magnet

7. WARRANTY AND SUPPORT

SIGMA products are known for their quality and reliability. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Sigma Sport website. Typically, Sigma offers a limited warranty against manufacturing defects.

For technical support, spare parts, or further assistance, please contact Sigma Sport customer service through their official website or authorized distributors. Keep your proof of purchase for warranty claims.

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question