Sigma BC 12.0 WL

SIGMA BC 12.0 WL Wireless Bike Computer User Manual

Model: BC 12.0 WL

INTRODUCTION

The SIGMA BC 12.0 WL is a versatile wireless bike computer designed to provide essential cycling data. It features a large, easy-to-read display with backlight, multi-language support, and the ability to be used on two different bicycles. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.
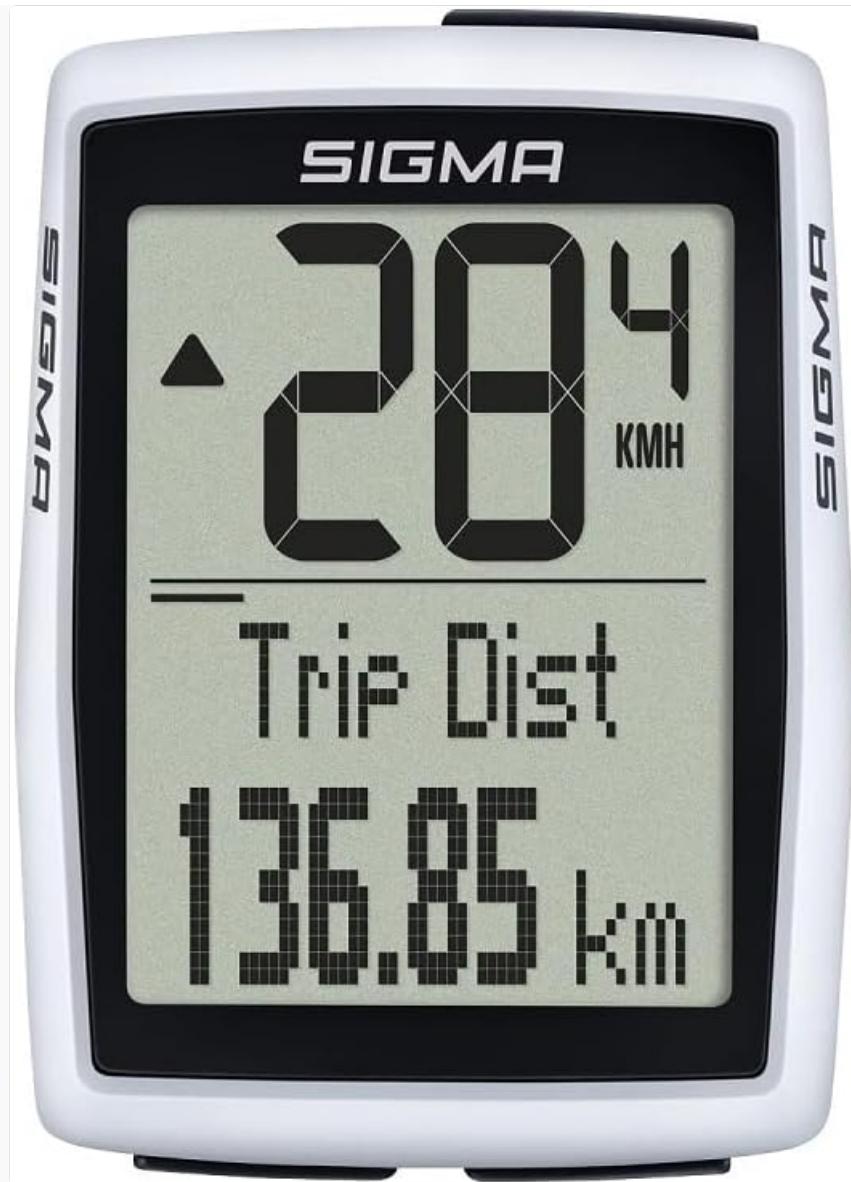
Image: The SIGMA BC 12.0 WL bike computer showing current speed and trip distance on its display.

1. SETUP AND INSTALLATION

1.1 Package Contents

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

- SIGMA BC 12.0 WL Bike Computer
- Wireless Speed Sensor
- Mounting Bracket for Handlebar/Stem
- Spoke Magnet
- Mounting Materials (e.g., zip ties)
- CR2450 Battery (pre-installed or included)

Image: All components included in the SIGMA BC 12.0 WL package, ready for installation.

1.2 Battery Installation

The device typically comes with a pre-installed battery. If not, or for replacement, open the battery compartment on the back of the unit using a coin. Insert the CR2450 battery with the positive (+) side facing up. Close the compartment securely.

1.3 Mounting the Device and Sensor

1. **Mounting Bracket:** Attach the mounting bracket to your handlebar or stem using the provided zip ties. Ensure it is securely fastened and positioned for easy viewing.
2. **Speed Sensor:** Attach the wireless speed sensor to the front fork of your bicycle using the provided zip ties. Position it so that it aligns with the spoke magnet.
3. **Spoke Magnet:** Securely attach the magnet to a spoke on your front wheel. Adjust its position so that it passes within 1-5 mm of the speed sensor with each wheel rotation.

Image: Illustration of the wireless communication between the bike computer and the speed sensor, highlighting the safety wireless feature.

1.4 Initial Configuration

Upon first use or after battery replacement, you will need to configure basic settings:

- **Language:** The device supports 7 languages (English, German, French, Italian, Spanish, Dutch, Polish). Navigate through the settings menu to select your preferred language.
- **Wheel Size:** Accurate wheel size input is crucial for precise speed and distance measurements. The BC 12.0 WL offers predefined tire sizes. Select the one that matches your bicycle's wheel.
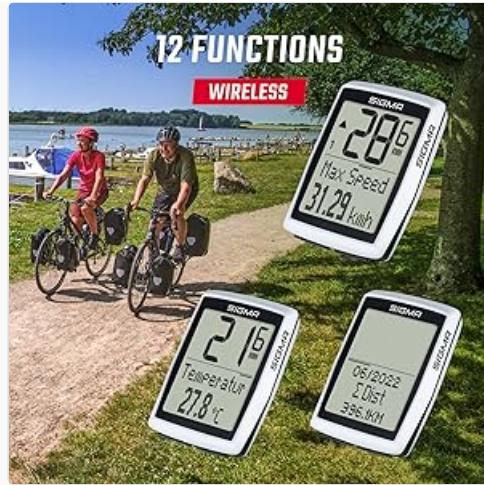
Image: The bike computer display showing options for predefined tire sizes, simplifying wheel circumference setup.

1.5 Multi-Bike Function

The BC 12.0 WL can be configured for use on two different bicycles. Access the settings menu to switch between Bike 1 and Bike 2 profiles, each with its own wheel size and accumulated data.

2. OPERATING THE DEVICE

2.1 Display Functions

The large 2.0-inch display shows various cycling data. Use the buttons to cycle through the different functions:

- Current Speed
- Trip Distance
- Total Distance
- Ride Time
- Total Ride Time
- Maximum Speed
- Average Speed
- Temperature
- Clock
- Monthly Statistics

PREDEFINED TIRE SIZES

16 "
18 "
20 "
22 "
24 "
26 "
27 "
27.5 "
28 "
29 "

Image: The 2.0-inch screen of the SIGMA BC 12.0 WL, demonstrating its clear display and backlight capability for improved visibility.

Image: Multiple SIGMA BC 12.0 WL units showcasing different functions such as maximum speed, current temperature, and accumulated distance.

2.2 Button Operation

The BC 12.0 WL features three buttons for intuitive operation. Typically, these buttons are used for:

- **Mode/Set:** To switch between display modes or confirm settings.
- **Up/Down:** To navigate through options or adjust values.

Refer to the on-screen prompts for specific button functions during setup and operation.

Image: A hand pressing a button on the SIGMA bike computer, with the screen displaying 'Settings', indicating user interaction.

2.3 Backlight Function

The display features a backlight for improved visibility in low-light conditions. Activate the backlight by pressing specific button combinations (refer to the device's on-screen instructions or quick guide). Note that continuous use of the backlight will reduce battery life.

3. MAINTENANCE

3.1 Battery Replacement

The BC 12.0 WL is designed for a long battery life, typically 2+ years. When the battery needs replacement, an integrated memory chip saves all total values and settings, so your accumulated data is not lost. Replace the CR2450 battery as described in the Setup section.

Image: The back of the SIGMA bike computer with the battery cover removed, showing the battery compartment and a CR2450 battery, illustrating the 2+ years battery lifetime and data retention feature.

3.2 Cleaning

Clean the device and sensor regularly with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the display or casing. Ensure the contacts on the mounting bracket are clean for reliable connection.

3.3 Water Resistance

The BC 12.0 WL is rated IP54, meaning it is protected against dust ingress and splashing water from any direction. It is suitable for use in rainy conditions but should not be submerged in water.

Image: The SIGMA bike computer on a bicycle handlebar, visibly wet with water droplets, confirming its waterproof design.

3.4 Bike Service Reminder

The device may include a bike service reminder function. This feature can be set to alert you after a certain distance, prompting you to perform routine bicycle maintenance.

Image: The SIGMA bike computer display showing a 'Bike Service' message and an oil can icon, indicating a maintenance reminder.

4. TROUBLESHOOTING

If you encounter issues with your SIGMA BC 12.0 WL, try the following common troubleshooting steps:

- **No Speed/Distance Reading:**

  - Check the alignment and proximity of the spoke magnet to the speed sensor (should be 1-5 mm).
  - Ensure the speed sensor battery is functional (if applicable, though the main unit powers the wireless signal).
  - Verify the unit is securely seated in its mounting bracket.

- **Incorrect Readings:**

  - Confirm that the correct wheel size is set in the device's settings.
  - Check for any interference from other electronic devices.

- **Display Not Working/Blank:**

  - Check and replace the main unit's battery if necessary.
  - Ensure the battery is inserted correctly.

- **Buttons Unresponsive:**

  - Try removing and reinserting the battery to reset the device.

If problems persist, consult the official SIGMA Sport website for further support or contact their customer service.

5. SPECIFICATIONS

Feature	Description
Model Number	12211
Dimensions (L x W x H)	6 x 4.4 x 1.6 cm
Weight	27 Grams
Display Size	2.0 Inches
Battery Type	1 x CR2450 Lithium Metal (included)
Battery Life	2+ Years (typical)
Water Protection Rating	IP54
Connectivity	Wireless (STS)
Functions	12 functions (Speed, Distance, Time, Temperature, etc.)
Multi-Bike Support	Yes (for two bikes)
Backlight	Yes
Language Support	7 languages

6. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official Sigma Sport website. Sigma Sport provides customer support and resources for their products.
Official Website: www.sigmasport.com

Related Documents - BC 12.0 WL

SIGMA ROX 11.1 EVO GPS Bike Computer: Short Manual
This short manual for the SIGMA ROX 11.1 EVO GPS bike computer provides essential guidance for setup, installation, and operation. Learn about key features like GPS tracking, sensor connectivity, and e-bike integration to enhance your cycling performance.

SIGMA ROX 4.0 GPS Bike Computer: Quick Start Guide
A concise guide to setting up and using the SIGMA ROX 4.0 GPS bike computer, covering installation, button functions, training modes, settings, sensor connection, charging, and technical specifications.

SIGMA EOX® VIEW 1500 CAN E-Bike Computer: Operating and Mounting Instructions
Comprehensive operating and mounting instructions for the SIGMA EOX® VIEW 1500 CAN E-Bike Computer. Learn about setup, features, connections to smartphones and apps like KOMOOT, and advanced functions.

SIGMA EOX REMOTE 500 | VIEW 1200 Short Manual - User Guide
Get started with your SIGMA EOX REMOTE 500 and VIEW 1200 cycling computer. This short manual covers button functions, start-up assistance, LED indicators, menu navigation, settings, app connection, and technical specifications. Learn how to use your device effectively.

SIGMA EOX® VIEW 1500 CAN E-Bike Computer: Bedienungs- und Montageanleitung
Comprehensive user and installation manual for the SIGMA EOX® VIEW 1500 CAN E-Bike Computer, covering safety information, device interface, operation, connectivity with smartphones and apps like Komoot, EOX® App features, mounting instructions, technical specifications, and details on the SIGMA REMOTE ONE accessory.

[SIGMA ROX 2.0 GPS Bike Computer: Quick Start Guide](#)

This guide provides essential information for setting up and using the SIGMA ROX 2.0 GPS bike computer. Learn about installation, button functions, first start, training, menu navigation, settings, e-bike connection, the SIGMA RIDE app, charging, and technical specifications.