M-Wave M12

M-Wave M12 Bicycle Computer User Manual

Model: M12

INTRODUCTION

The M-Wave M12 Bicycle Computer is designed to enhance your cycling experience by providing essential ride data. This compact and easy-to-use device features 12 informative functions, including current, average, and maximum speed, total and trip distance odometers, and an auto trip timer. Its tool-free mounting system ensures quick and hassle-free installation, allowing you to focus on your ride.

Image: The M-Wave M12 Bicycle Computer, displaying speed and distance readings on its screen.

SETUP AND INSTALLATION

1. Unpacking and Components

Carefully remove all components from the packaging. Ensure you have the M-Wave M12 Cyclocomputer and the included batteries.

Image: The M-Wave M12 Bicycle Computer shown in its retail packaging, highlighting its 12 functions.

2. Battery Installation

1. Locate the battery compartment on the back of the computer.

2. Open the compartment cover.

3. Insert the included CR2 battery, ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.

3. Mounting the Computer

The M-Wave M12 features tool-free mounting for easy attachment to your handlebar or stem.

1. Attach the mounting bracket to your bicycle's handlebar or stem using the integrated strap or clamp. Ensure it is firmly secured and does not rotate.

2. Slide the M12 computer onto the mounting bracket until it clicks into place.

3. Position the speed sensor (if applicable, typically mounted on the fork) and magnet (on a spoke) according to the instructions provided with your specific sensor kit. Ensure proper alignment and distance for accurate readings.

4. Initial Setup: Wheel Size Adjustment

Accurate speed and distance readings depend on correct wheel size calibration.

1. Press the 'Set' button to enter setup mode.

2. Navigate through the settings using the 'Mode' button until you reach the wheel size adjustment.

3. Adjust the wheel circumference value (in millimeters) to match your bicycle's wheel size. Refer to your bicycle's tire sidewall for the exact measurement or a common wheel size chart.

4. Press 'Set' to confirm the value and move to the next setting, or 'Mode' to exit setup.

OPERATING INSTRUCTIONS

The M-Wave M12 Bicycle Computer is designed with large, easy-to-use buttons for convenient operation while riding.

Image: A close-up view of the M-Wave M12 Bicycle Computer's display, showing current speed and distance.

1. Basic Functions

The M12 computer provides 12 key functions:

- Current Speed
- Average Speed
- Maximum Speed
- Trip Distance (DST)
- Total Distance (ODO)
- Auto Trip Timer
- Digital Clock
- Scan Mode (cycles through functions)
- Metric/English Unit Conversion
- Auto Power On/Off
- Adjustable Wheel Size

- Low Battery Indicator (implied by battery inclusion and general computer function)

2. Button Navigation

The computer typically features two main buttons: 'Set' and 'Mode'.

- **Mode Button:** Press to cycle through the various display functions (e.g., Current Speed, Trip Distance, Total Distance, Time). A long press may enter or exit certain modes or reset trip data.

- **Set Button:** Used to confirm selections or enter setup mode. In setup mode, it typically confirms a value and moves to the next setting.

3. Setting Units (Metric/English)

To switch between kilometers per hour (km/hr) and miles per hour (mph):

1. Enter the setup mode (usually by pressing and holding the 'Set' button).

2. Navigate using the 'Mode' button until you find the unit setting (e.g., 'KM/H' or 'MPH').

3. Press 'Set' to toggle between the units.

4. Exit setup mode to save your selection.

4. Auto Power On/Off

The M12 computer is designed to automatically power on when motion is detected and power off after a period of inactivity to conserve battery life.

MAINTENANCE

1. Cleaning

To ensure longevity and clear display, clean your M-Wave M12 computer regularly.

- Wipe the unit with a soft, damp cloth.

- Do not use abrasive cleaners or solvents, as these can damage the display or casing.

2. Battery Replacement

When the display becomes dim or functions become erratic, it's time to replace the battery.

- Follow the battery installation steps outlined in the 'Setup and Installation' section.

- Ensure you use a fresh CR2 battery.

- Dispose of old batteries according to local regulations.

3. Water Resistance (IP44 Rating)

The M-Wave M12 has an Ingress Protection (IP) rating of IP44. This means:

- **Protection against solid objects:** Nothing larger than 1mm can penetrate the device.

- **Protection against liquids:** It is protected against splashing water from any direction.

While it can withstand splashes, it is not designed for submersion. Avoid prolonged exposure to heavy rain or direct water jets.

TROUBLESHOOTING

If you encounter issues with your M-Wave M12 Bicycle Computer, try the following solutions:

- **No Display/Dim Display:** Check battery installation. Replace battery if necessary.

- **Incorrect Speed/Distance Readings:**

  - Verify that the wheel size is correctly set in the computer's settings.
  - Ensure the speed sensor and magnet are properly aligned and within the recommended distance.
  - Check for any obstructions or damage to the sensor or magnet.

- **Buttons Unresponsive:** Try removing and reinserting the battery to perform a soft reset. Ensure no debris is lodged around the buttons.

- **Computer Not Turning On Automatically:** Ensure the computer is securely mounted and the sensor/magnet are correctly positioned to detect wheel rotation.

If problems persist after attempting these steps, please contact M-Wave customer support.

SPECIFICATIONS

Feature	Detail
Brand	M-Wave
Model Number	244734
Colour	Black
Dimensions	13 x 10.01 x 3 cm (Product); 1.5 x 2 inches (Size)
Weight	0.1 Kilograms (101 g)
Number of Functions	12
Included Components	Cyclocomputer, Batteries
Battery Type	1 CR2 battery (included)
Ingress Protection (IP) Rating	IP44 (Protected against solid objects >1mm and splashing water from any direction)
Human Interface Input	Buttons
UPC	887539009526

WARRANTY AND SUPPORT

M-Wave products are manufactured to high standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official M-Wave website. For technical support or further assistance, please contact M-Wave customer service through their official channels.