M-Wave M-WAVE M14W

M-Wave MWAVE CVC1012 Computer 14 F M14W

User Manual

This manual provides detailed instructions for the installation, operation, and maintenance of your M-Wave M14W bicycle computer.

1. Introduction

The M-Wave M14W is a wired bicycle computer designed to provide essential cycling data. It features 14 functions to help you track your rides effectively. Please read this manual carefully before installation and use to ensure proper function and longevity of your device.

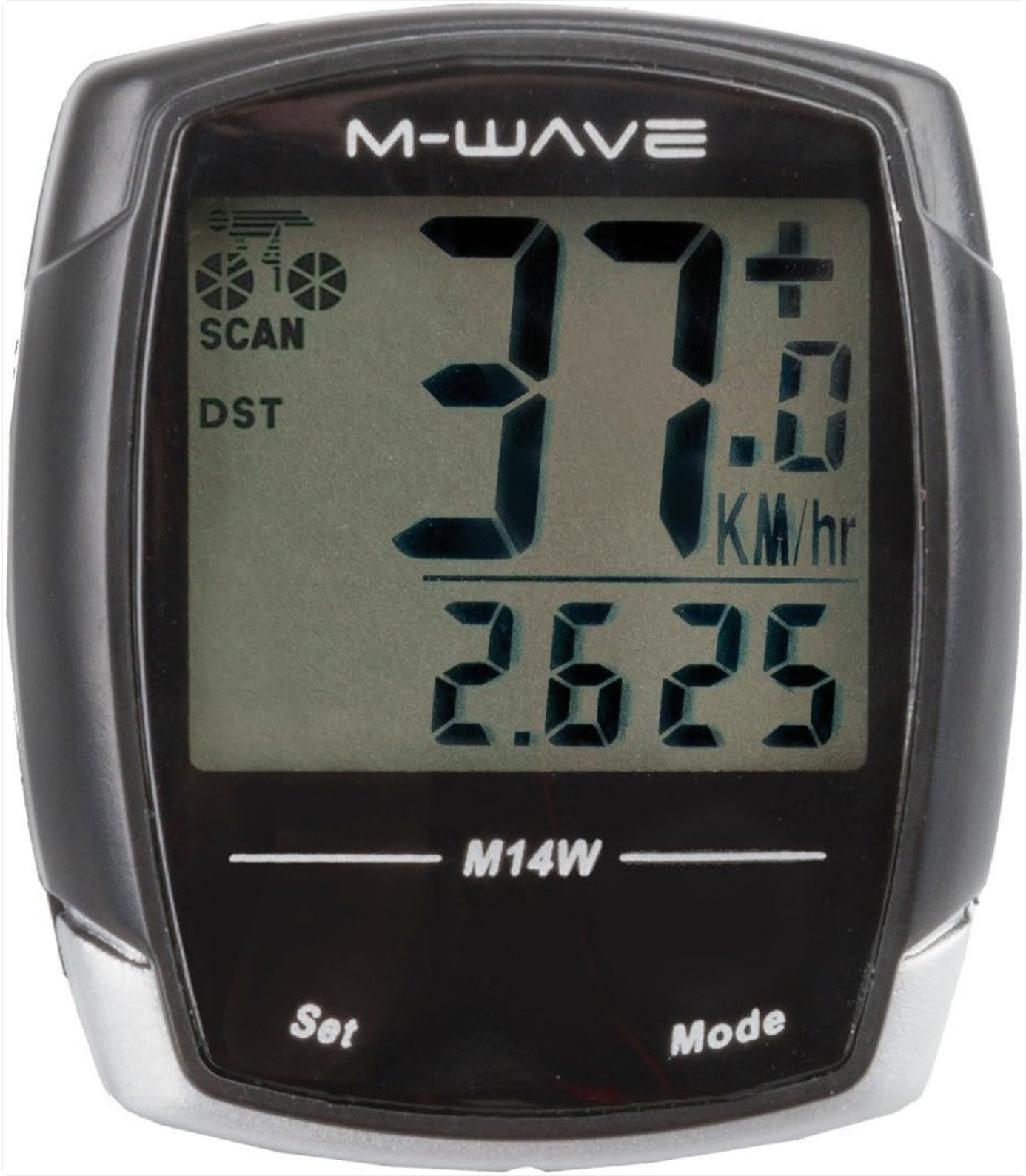


Figure 1: Front view of the M-Wave M14W bicycle computer, showing the display with current speed (37.0 KM/hr) and distance (2.625).

2. Package Contents

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

- M-Wave M14W Bicycle Computer Unit
- Wired Sensor and Cable
- Mounting Bracket
- Wheel Magnet
- Cable Ties for securing

- CR2 Battery (pre-installed or included separately)
- Instruction Manual (this document)

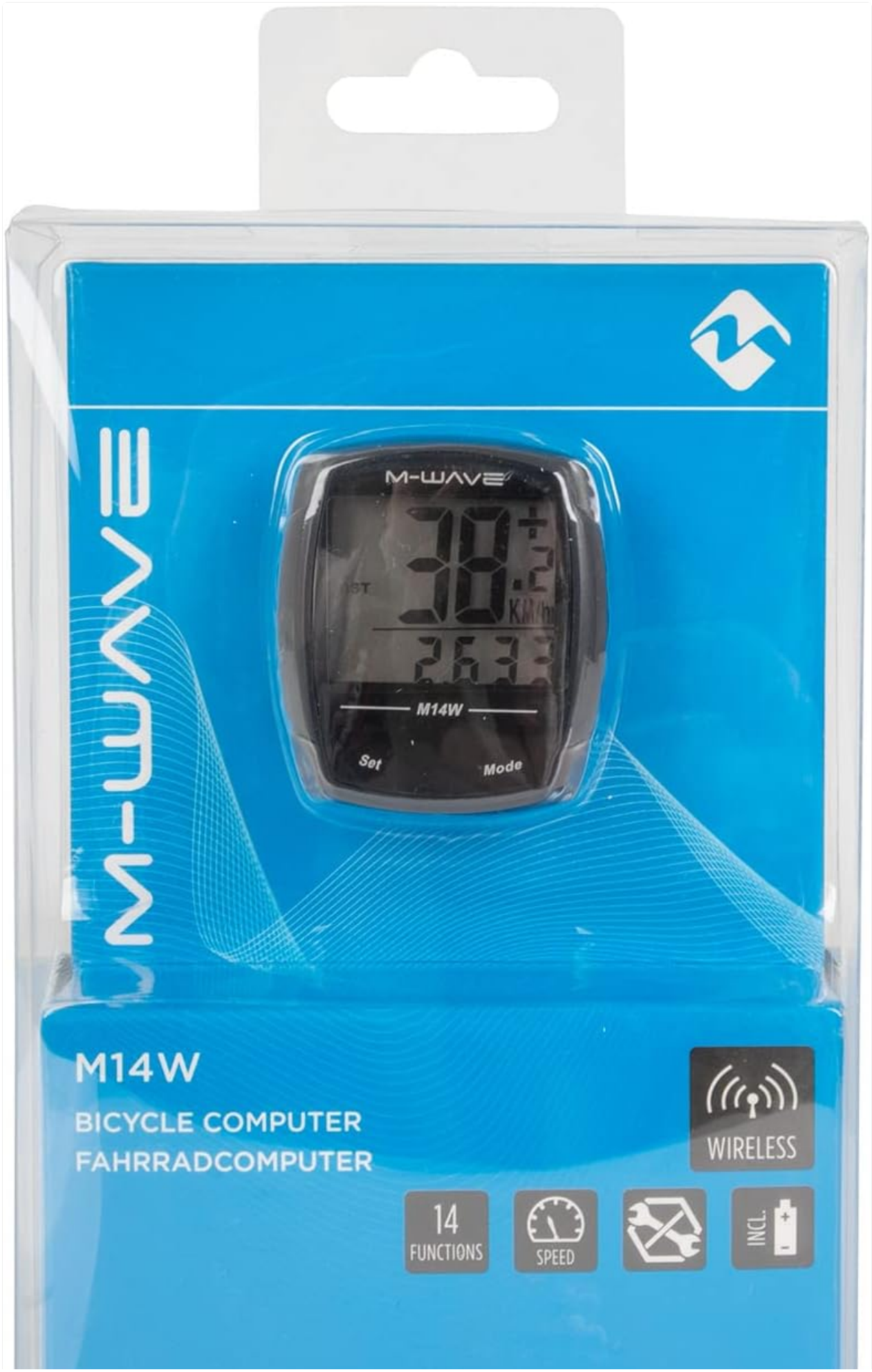


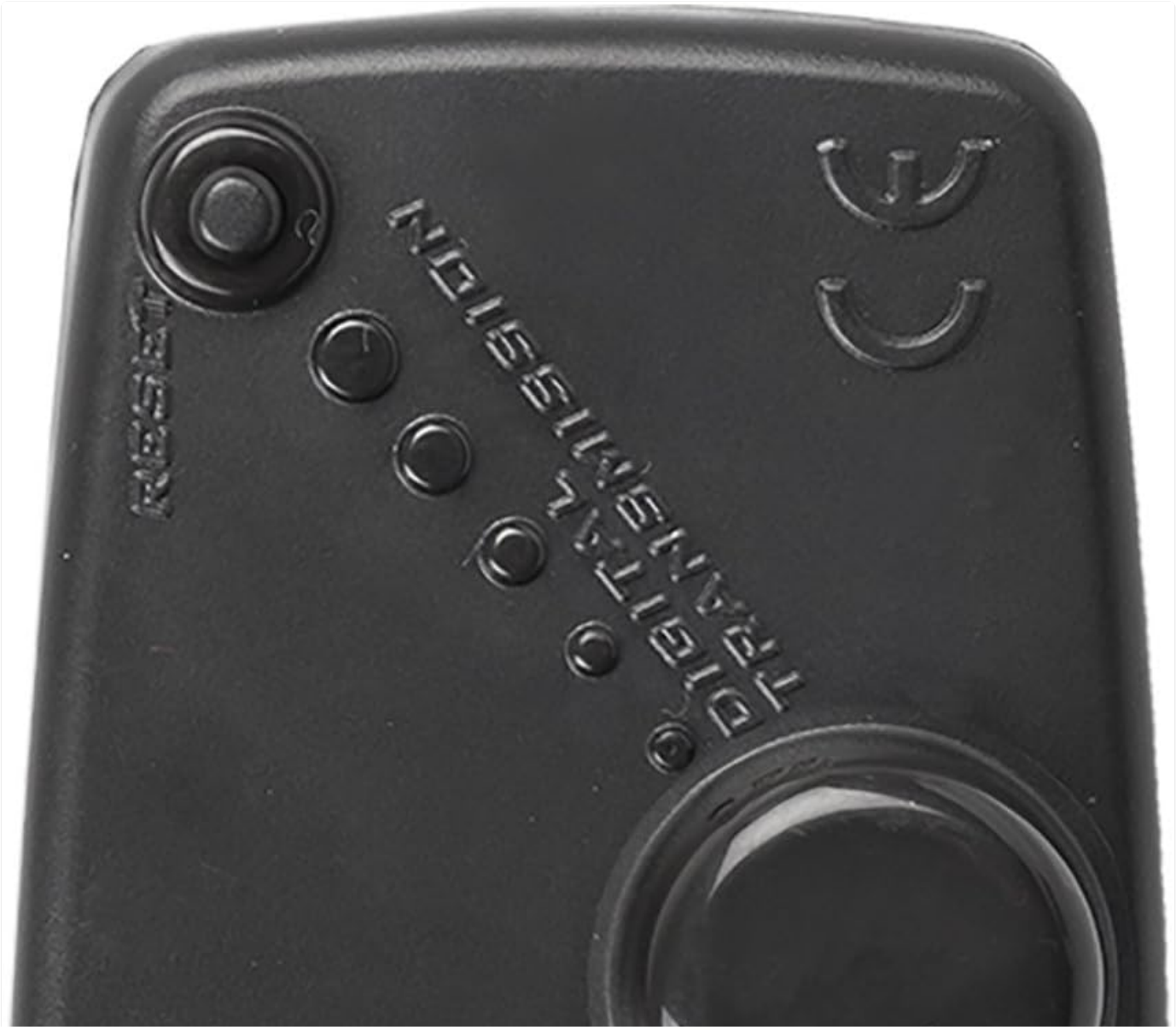
Figure 2: The M-Wave M14W bicycle computer shown in its retail packaging, indicating wireless functionality and 14 functions.

3. Setup and Installation

3.1 Battery Installation

The M-Wave M14W uses a CR2 battery. The battery may be pre-installed. If not, or if you need to replace it:

1. Locate the battery compartment on the back of the computer unit.
2. Use a small coin or screwdriver to open the battery cover by twisting it counter-clockwise.
3. Insert the CR2 battery with the positive (+) side facing up.
4. Replace the battery cover and twist clockwise to secure it.



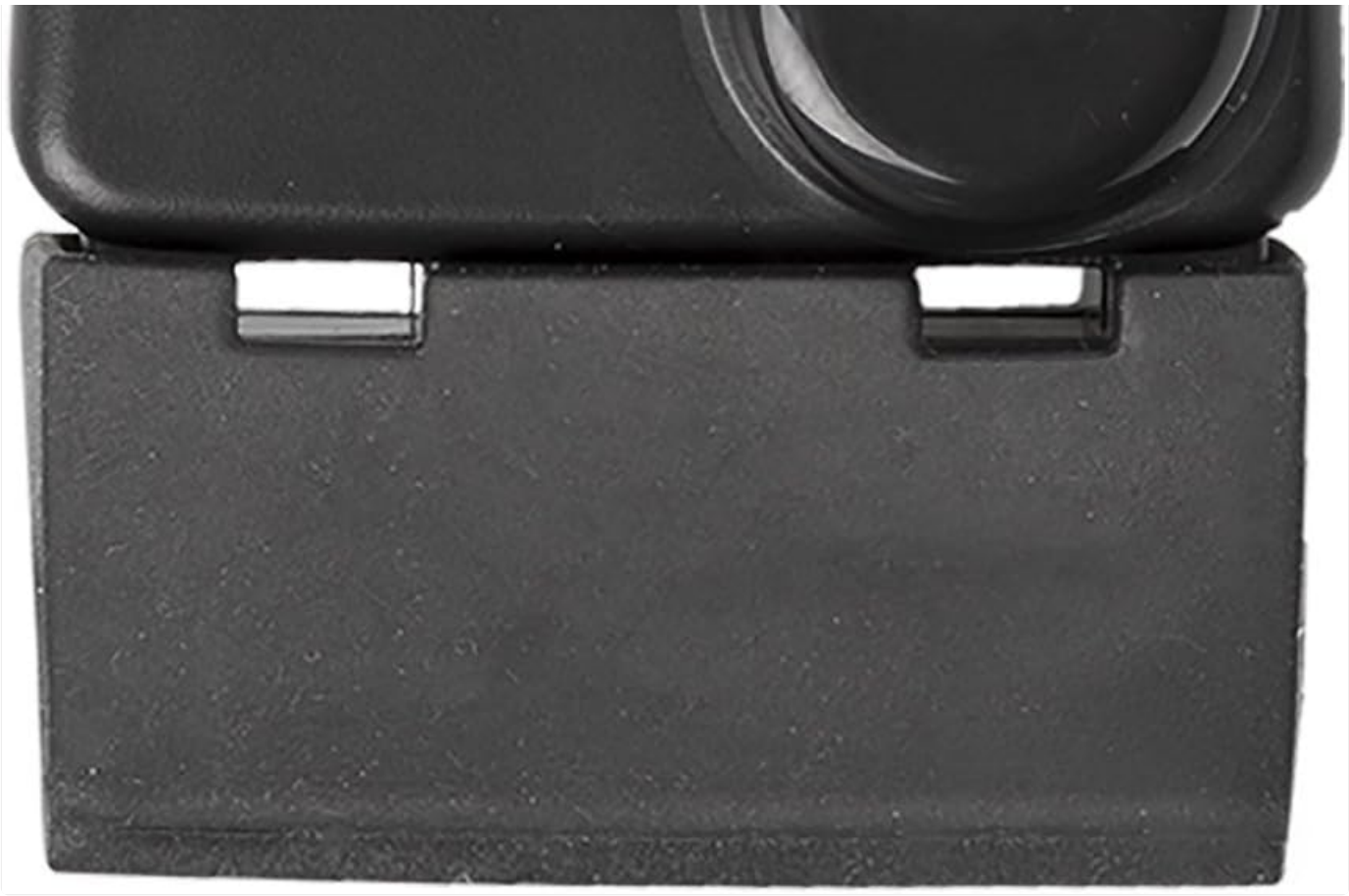


Figure 3: Rear view of the M-Wave M14W unit, showing the battery compartment and reset button.

3.2 Mounting the Computer and Sensor

Follow these steps to securely mount the computer and its wired sensor:

1. **Mounting Bracket:** Attach the mounting bracket to your handlebar or stem using the provided straps or cable ties. Ensure it is firmly secured and positioned for easy viewing.
2. **Sensor Placement:** Mount the wired sensor to the front fork of your bicycle, ensuring it is aligned with the wheel magnet. The sensor should be positioned so that the magnet passes within 5mm of the sensor as the wheel rotates.
3. **Magnet Installation:** Attach the magnet to a spoke on your front wheel. Adjust its position so it aligns with the sensor.
4. **Cable Routing:** Route the sensor cable along the fork and frame, securing it with cable ties to prevent it from interfering with moving parts or getting snagged. Plug the cable into the computer unit's port.
5. **Computer Attachment:** Slide the M14W computer unit onto the mounting bracket until it clicks into place.

3.3 Initial Settings

After installation, you will need to configure the basic settings:

1. **Unit Selection:** Press the **MODE** button to cycle through settings. When prompted, select your preferred unit of speed (KM/hr or MPH) using the **SET** button. Confirm with **MODE**.
2. **Wheel Circumference:** This is crucial for accurate speed and distance readings.
    - Refer to your bicycle tire's sidewall for its size (e.g., 700x23C, 26x1.95).
    - Consult a wheel circumference chart (available online or in bicycle shops) to find the corresponding value in millimeters (mm).
    - Enter this value into the computer using the **SET** button to adjust digits and **MODE** to move to the next digit.
3. **Initial Odometer Setting (Optional):** Some models allow setting an initial odometer value. Follow on-screen prompts if this option appears.

4. Operating Instructions

The M14W features two primary buttons: **SET** and **MODE**.

- **MODE Button:** Used to cycle through different display functions (e.g., Speed, Distance, Ride Time, Odometer). In setting mode, it confirms selections or moves to the next setting.
- **SET Button:** Used to adjust values during setup (e.g., wheel circumference, time). In some modes, it may reset specific trip data.

4.1 Display Functions (14 Functions)

Press the **MODE** button to view the following functions:

Function	Description
Current Speed (SPD)	Displays your current riding speed.
Average Speed (AVS)	Calculates the average speed of your current ride.
Maximum Speed (MXS)	Shows the highest speed achieved during your current ride.
Trip Distance (DST)	Measures the distance covered in your current ride.
Total Distance (ODO)	Accumulated total distance covered by the bicycle computer.
Ride Time (TM)	Duration of your current ride.
Clock (CLK)	Displays the current time (12H/24H format).
Scan Mode	Automatically cycles through various functions.
Speed Comparator	Indicates if your current speed is above or below your average speed.
Maintenance Alert	An icon may appear to remind you of bicycle maintenance.
Temperature (TEMP)	Displays the ambient temperature.
Calories Burned (CAL)	Estimates calories burned based on ride data.
Fat Burned (FAT)	Estimates fat burned based on ride data.
Backlight	Illuminates the display for visibility in low light conditions.

4.2 Resetting Trip Data

To reset trip-specific data (Trip Distance, Average Speed, Maximum Speed, Ride Time), typically you will press and hold the**SET** button for a few seconds while in the relevant display mode. Refer to the on-screen prompts for confirmation.

5. Maintenance

5.1 Cleaning

Clean the computer unit 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 has an IP44 rating, meaning it is protected against solid objects larger than 1mm and splashing water from any direction. Avoid submerging the unit in water.

5.2 Battery Replacement

When the display becomes dim or erratic, it's time to replace the CR2 battery. Follow the steps outlined in Section 3.1. Dispose of old batteries responsibly according to local regulations.

5.3 Storage

If storing the bicycle computer for an extended period, it is recommended to remove the battery to prevent leakage and potential damage to the unit.

6. Troubleshooting

If you encounter issues with your M-Wave M14W computer, try the following solutions:

Problem	Possible Cause / Solution
No display or dim display	Battery is low or dead. Replace the CR2 battery. Ensure battery is inserted correctly.
No speed/distance reading	◦ Sensor/magnet misalignment: Adjust sensor and magnet position to ensure they are within 5mm of each other. ◦ Loose cable connection: Check if the sensor cable is securely plugged into the computer unit. ◦ Damaged cable/sensor: Inspect the cable for cuts or damage. If damaged, the unit may require replacement.
Incorrect speed/distance	Incorrect wheel circumference setting. Re-enter the correct wheel circumference (see Section 3.3).
Unit not responding to buttons	Try a soft reset by removing and reinserting the battery. If issues persist, a full reset (using the reset button on the back, if available) might be necessary, which will clear all data.

7. Specifications

Feature	Detail
Model Number	M-WAVE M14W
Color	Black
Main Material	Plastic
Dimensions (L x W x H)	15.19 x 10.21 x 2.49 cm
Weight	124 grams
Battery Type	2 CR2 (included)
Functions	14 Functions
Water Protection Rating	IP44 (Protected against splashing water)
Interface	Buttons
UPC	887539009502

8. Warranty and Support

M-Wave products are manufactured to high quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official M-Wave website. In case of technical issues or questions not covered in this manual,

please contact M-Wave customer support through their official channels.

Figure 4: M-Wave brand logo, "Your World of Cycling".

For more information and product updates, you may visit the official M-Wave website:www.m-wave-bike.com

Documents - M-Wave – M-WAVE M14W

[pdf] User Manual

Handbuch jetzt herunterladen M WAVE M14W Fahrradcomputer Messingschlager 244732 manual 180222 messingschlager content Artikelfotos manuals |||

MAXIMUM SPEED MXS Maximum speed measurement is indicated by MXS and is displayed on the bottom line. Maximum speed is stored in memory and updated only when a higher speed is reached. To reset MXS, press and hold the RIGHT button to enter AVS mode. AVERAGE SPEED AVS Average Speed measurment is i...

lang:en score:32 filesize: 9.18 M page_count: 18 document date: 2020-06-25