M-Wave M14w

M-Wave M14w Wireless Bicycle Computer User Manual

Brand: M-Wave | **Model:** M14w

1. Introduction

The M-Wave M14w is a compact and efficient wireless bicycle computer designed to provide essential cycling data for enthusiasts and casual riders alike. Its digital transmission technology ensures a clean, wire-free installation, eliminating cable clutter. This device offers a range of functions including real-time speed, distance tracking, and a digital clock, with the flexibility of metric or English unit conversion. Engineered for durability, the M14w features an IP44 ingress protection rating, safeguarding it against splashing water and small particles, making it a reliable companion for various weather conditions. The computer is designed for easy, tool-free mounting on handlebars or stems, and comes with all necessary components, including batteries, for immediate use.

Image 1.1: Front view of the M-Wave M14w bicycle computer displaying speed and distance.

2. Package Contents

Upon opening the package, please verify that all the following components are present:

- M-Wave M14w Cyclocomputer Unit
- Wireless Speed Sensor
- Wheel Magnet
- Handlebar/Stem Mounting Bracket
- CR2032 Batteries (pre-installed or included separately)

- Zip Ties or Mounting Straps

Image 2.1: The M-Wave M14w bicycle computer shown in its retail packaging, highlighting its wireless capabilities and functions.

3. Setup and Installation

3.1. Battery Installation

The M-Wave M14w computer and its wireless sensor require CR2032 batteries. Batteries are included with the product. If not pre-installed, carefully open the battery compartment on the back of the computer unit and the sensor, insert the CR2032 battery with the positive (+) side facing up, and securely close the compartment.

3.2. Mounting the Computer Unit

The computer unit can be mounted on your bicycle's handlebar or stem without the need for any tools.

1. Place the mounting bracket on your desired location on the handlebar or stem.
2. Secure the bracket firmly using the provided zip ties or straps, ensuring it is stable and does not rotate.
3. Slide the M14w computer unit onto the mounting bracket until it clicks securely into place.

3.3. Installing the Speed Sensor and Magnet

The wireless speed sensor and wheel magnet work together to measure your speed and distance.

1. Attach the wireless speed sensor to the front fork of your bicycle using the provided zip ties or straps. Position it on the side where the wheel magnet will be installed.
2. Attach the wheel magnet to a spoke on the front wheel.
3. Adjust the position of both the sensor and the magnet so that they are aligned and the gap between them is approximately 1-3mm when the wheel rotates. The magnet should pass directly in front of the sensor's marked detection area.

Image 3.1: Rear view of the M-Wave M14w computer unit, showing the battery compartment and digital transmission components, alongside the wireless speed sensor.

3.4. Initial Configuration

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

1. **Power On:** The device will automatically power on when motion is detected or a button is pressed.
2. **Unit Selection:** Press the "Mode" button to cycle through settings. Use the "Set" button to select between Metric (km/h) and English (mph) units.
3. **Wheel Size Setting:** This is crucial for accurate speed and distance measurements. Refer to your bicycle tire's sidewall for its circumference in millimeters (e.g., 2070mm for a 700x23c tire). Use the "Set" and "Mode" buttons to input this value into the computer.
4. **Clock Setting:** Set the current time using the "Set" and "Mode" buttons.
5. **Pairing (if necessary):** The computer and sensor should automatically pair. If not, consult the troubleshooting section or perform a manual pairing sequence (often involves holding a button on the sensor or computer during initial setup).

4. Operating Instructions

The M-Wave M14w features two primary buttons: "Set" and "Mode", located at the bottom of the display.

Image 4.1: Close-up view of the M-Wave M14w display, showing the "Set" and "Mode" buttons for operation.

4.1. Navigating Modes

Press the **Mode** button to cycle through the various display functions. The M14w typically displays:

- **Current Speed (SPD):** Your real-time riding speed.
- **Average Speed (AVS):** Your average speed for the current trip.
- **Maximum Speed (MXS):** The highest speed recorded during the current trip.
- **Trip Distance (DST):** The distance covered during the current trip.
- **Total Distance (ODO):** The cumulative distance covered since the computer was reset or first used.
- **Riding Time (TM):** The duration of your current ride.
- **Clock (CLK):** Current time.
- **Scan Mode:** Automatically cycles through various functions.

4.2. Adjusting Settings and Resetting Data

To adjust settings or reset trip data:

- **Entering Settings:** In clock mode, press and hold the **Set** button to enter the setting menu (e.g., for wheel size, unit selection). Use **Mode** to change values and **Set** to confirm and move to the next setting.
- **Resetting Trip Data:** To clear current trip data (DST, AVS, MXS, TM), navigate to any of these modes and press and hold the **Set** button until the values reset to zero. The Total Distance (ODO) cannot be reset through this method.

4.3. Auto Power On/Off

The M14w features an automatic power-saving function. The device will automatically power on when it detects movement from the wheel sensor or when any button is pressed. It will power off after a period of inactivity to conserve battery life.

5. Maintenance

Proper maintenance ensures the longevity and accuracy of your M-Wave M14w bicycle computer.

- **Cleaning:** Wipe the computer unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the display or casing.
- **Water Resistance:** The M14w has an IP44 rating, meaning it is protected against splashing water from any direction. While it can withstand light rain, avoid submerging the device in water or exposing it to high-pressure water jets.
- **Battery Replacement:** When the display becomes dim or erratic, it's time to replace the CR2032 batteries in both the computer and the sensor. Ensure correct polarity when inserting new batteries.
- **Sensor and Magnet Alignment:** Periodically check that the speed sensor and wheel magnet remain properly aligned (1-

3mm gap) and securely fastened. Vibrations from riding can sometimes cause them to shift.

- **Storage:** If storing the bicycle computer for an extended period, it is recommended to remove the batteries to prevent leakage and potential damage to the device.

6. Troubleshooting

If you encounter issues with your M-Wave M14w, try the following troubleshooting steps:

- **No Display / Dim Display:**
  - Check if batteries are correctly installed.
  - Replace batteries in both the computer unit and the sensor.
- **No Speed/Distance Reading:**
  - Ensure the wheel magnet and speed sensor are properly aligned and the gap is within 1-3mm.
  - Check if the sensor battery is dead or low. Replace if necessary.
  - Verify that the computer and sensor are paired. If not, try re-pairing by removing and reinserting the computer battery, then spinning the wheel to activate the sensor.
  - Ensure the computer is securely seated in its mounting bracket.
- **Inaccurate Readings:**
  - Double-check the wheel circumference setting. An incorrect value will lead to inaccurate speed and distance.
  - Ensure the sensor and magnet are not obstructed by dirt or debris.
  - Interference from other wireless devices or strong electromagnetic fields can sometimes affect readings. Try moving away from such sources.
- **Difficulty Setting / Sporadic Operation (as per user feedback):**
  - If the device is difficult to set or operates sporadically, try a full reset. This often involves removing the battery for a few minutes, then reinserting it. Be aware that this will clear all settings and trip data, requiring re-configuration of wheel size and time.
  - Ensure buttons are not stuck or dirty.
- **Computer Not Powering On Automatically:**
  - Ensure the sensor is active and transmitting. Spin the wheel to check.
  - Check sensor battery.

7. Specifications

Feature	Detail
Brand	M-Wave
Model Name	M-wave 14 Silicone S/Wire (M14w)
Model Number	244732
Display Type	LCD, LED
Sensor Type	Speed Sensor (Wireless)
Connectivity Technology	Wireless (Digital Transmission)

International Protection Rating	IP44 (Protected against splashing water and solid objects >1mm)
Item Weight	0.12 Kilograms
Item Dimensions (LxWxH)	5.98 x 4.02 x 0.98 inches
Battery Cell Composition	Lithium (CR2032)
Included Components	Cyclocomputer, Batteries
Mounting Type	Handlebar Mount
Human Interface Input	Buttons
Material	Silicone
UPC	887539009502

8. Warranty and Support

The M-Wave M14w Wireless Bicycle Computer comes with a**2-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accidents, unauthorized modifications, or normal wear and tear.
For warranty claims, technical support, or further inquiries, please contact the manufacturer, Cycle Force Group, or your point of purchase. Keep your proof of purchase for warranty validation.
For more information and product updates, you may visit the official M-Wave website or the Cycle Force Group website.

Documents - 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 lin ... mitter / magnet Check battery and correct installation Take out computer battery and install again **M14W** COMPUTER Slide the computer onto the mounting bracket until it snaps firmly into position. Pr...

lang:en score:39 filesize: 9.18 M page_count: 18 document date: 2020-06-25

[pdf] Accessories

BESCHREIBUNG DESCRIPTION ART Messingschlager neon yellow with reflective logo on M Wave eurohole card Kids‹ children size XS S Reflex Safety Products manuals in CS DE EN FR HU IT m wave messingschlager content prospekte en

ART.-NR. BESCHREIBUNG UVP DESCRIPTION 11 ART.-NR. BESCHREIBUNG UVP DESCRIPTION YOUR WORLD OF C ... 4 ART.-NR. BESCHREIBUNG UVP DESCRIPTION incl. 244732 U 26,90 wireless Speed FAHRRADCOMPUTER **M14W** 14 Funktionen mit digitaler Funkbertragung: Geschwindigkeit: akt. / / max. Geschwindigkeits...

lang:en score:18 filesize: 26.24 M page_count: 183 document date: 2020-08-18

[pdf] Accessories

M WAVE Prospekt herunterladen DS 10 18 Illu reflex Spiralkabelschloss Messingschlager m wave messingschlager content prospekte de |||

YOUR WORLD OF CYCLING M-Wave, das sind erstklassige Produkte fr alle Radfahrer, die insbesondere F ... lacement bracket set art. 244797 Computers 244732 U 29,90 wireless Speed incl. FAHRRADCOMPUTER **M14W** 14 Funktionen mit digitaler Funkbertragung: Geschwindigkeit: akt. / / max. Geschwindigkeitst...

lang:en score:13 filesize: 19.94 M page_count: 208 document date: 2022-06-22

[pdf] Accessories

M Wave 2024 messingschlager content prospekte en |||

YOUR WORLD OF CYCLING M-Wave, das sind erstklassige Produkte fr alle Radfahrer, die insbesondere F ... andlebar or stem additional replacement bracket set art. 244797 Computers 244732 FAHRRADCOMPUTER **M14W** incl. 28,90 wireless Speed 14 Funktionen mit digitaler Funkbertragung: Geschwindigkeit: ak...

lang:en score:12 filesize: 15.71 M page_count: 204 document date: 2023-05-26