M-Wave M30HCW

M-Wave M30HCW Bicycle Computer

Instruction Manual

1. Introduction

Thank you for choosing the M-Wave M30HCW Wireless Bicycle Computer. This device is designed to enhance your cycling experience by providing comprehensive data about your rides. It features wireless transmission for a clean setup and a wide range of functions to track your performance and progress. Please read this manual carefully before installation and use to ensure optimal performance and longevity of your device.

Image 1.1: M-Wave M30HCW Bicycle Computer. This image displays the main unit of the M-Wave M30HCW bicycle computer, showcasing its compact design and clear display.

2. Safety Information

- Always prioritize road safety. Do not operate the computer or adjust settings while cycling in traffic.
- Ensure the computer is securely mounted to prevent it from detaching during your ride.
- Keep batteries out of reach of children. If swallowed, seek immediate medical attention.

- Dispose of batteries according to local regulations. Do not incinerate.
- The device has an Ingress Protection rating of IP44, meaning it is protected against splashing water from any direction. It is not designed for submersion.

3. Package Contents

Verify that all items are present in the package:

- M-Wave M30HCW Cyclocomputer Unit
- Wireless Speed/Cadence Sensor
- Wheel Magnet
- Mounting Bracket (for handlebar or stem)
- Mounting Ties/Bands
- CR2 Batteries (4 required, included)

4. Setup

4.1. Battery Installation

1. Open the battery compartment on the back of the cyclocomputer unit and the wireless sensor.
2. Insert the CR2 batteries, ensuring correct polarity (+/-).
3. Close the battery compartments securely.

4.2. Mounting the Cyclocomputer

The M-Wave M30HCW features tool-free mounting for quick installation.

1. Attach the mounting bracket to your bicycle's handlebar or stem using the provided ties or bands. Ensure it is firmly secured and positioned for easy viewing.
2. Slide the cyclocomputer unit onto the mounting bracket until it clicks into place.

4.3. Mounting the Wireless Sensor and Magnet

1. Attach the wireless sensor to the front fork of your bicycle, ensuring it is aligned with the wheel spokes.
2. Mount the wheel magnet to a spoke on the front wheel. Position the magnet so it passes within 5mm of the sensor as the wheel rotates.
3. Ensure the sensor and magnet are securely fastened and do not interfere with wheel rotation or braking.

4.4. Initial Configuration

After battery installation, the computer will typically prompt you for initial settings. Use the buttons (usually MODE and SET) to navigate and confirm selections.

- **Units:** Select between metric (km/h, km) and imperial (mph, miles) units.
- **Wheel Size:** Input your wheel circumference in millimeters (mm). Refer to your bicycle tire for this value or measure it accurately. This is crucial for accurate speed and distance readings.

- **Time:** Set the current time (24-hour or 12-hour format).
- **Weight:** Enter your body weight for calorie calculation.

5. Operating Instructions

The M-Wave M30HCW features an LED backlit display for easy reading and is operated via buttons, typically located on the front or bottom of the unit.

5.1. Basic Functions

The computer automatically powers on and off. When you start cycling, it will activate and begin recording data. When stationary, it will enter a power-saving mode.

- **Current Speed:** Displays your real-time cycling speed.
- **Average Speed:** Shows the average speed for your current ride.
- **Maximum Speed:** Records the highest speed achieved during your ride.
- **Trip Distance:** Measures the distance covered in the current ride.
- **Odometer:** Tracks the total accumulated distance.
- **Ride Time:** Records the duration of your current ride.
- **Cadence:** Measures your pedaling revolutions per minute (RPM).
- **Altimeter:** Provides altitude measurements for climb tracking.
- **Heart Rate Monitor/Alarm:** (If applicable, requires compatible HR sensor, not included with base unit) Monitors heart rate and can alert if thresholds are exceeded.
- **Calorie Consumption:** Estimates calories burned based on ride data and user weight.
- **Thermometer:** Displays ambient temperature.

5.2. Button Operation

Typically, the computer will have one or two buttons for navigation and selection:

- **MODE Button:** Press briefly to cycle through different display modes (e.g., speed, distance, time). Press and hold to enter settings or reset trip data.
- **SET Button:** Used to confirm selections or adjust values within settings menus.

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

6. Maintenance

- **Cleaning:** Wipe the computer unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** The device is IP44 rated, protecting it from splashing water. Avoid high-pressure washing or submerging the unit.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Ensure proper battery type and polarity.
- **Storage:** If storing the bicycle for an extended period, remove the batteries from the computer and sensor to prevent leakage.

7. Troubleshooting

Problem	Possible Cause	Solution
No display or faint display	Dead or low batteries; incorrect battery installation.	Replace batteries in both the computer unit and sensor. Check battery polarity.
No speed/distance reading	Sensor/magnet misalignment; dead sensor battery; interference.	Ensure magnet passes within 5mm of the sensor. Replace sensor battery. Check for strong electromagnetic interference.
Incorrect speed/distance	Incorrect wheel circumference setting.	Re-enter the correct wheel circumference in the settings.
Computer not responding to buttons	Unit frozen; low battery.	Remove and reinsert batteries to reset the unit. Replace batteries if low.

8. Specifications

Feature	Detail
Model Number	244730
Connectivity Technology	Proprietary Wireless
Display Type	LED (Backlit)
Sensor Type	Cadence Sensor
Batteries	4 x CR2 (Lithium, included)
Mounting Type	Stem Mount / Handlebar Mount
Human Interface Input	Buttons
Ingress Protection Rating	IP44 (Protected against splashing water)
Item Weight	0.2 Kilograms
Parcel Dimensions	19.81 x 10.41 x 4.06 cm

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact M-Wave customer service directly. Keep your proof of purchase for any warranty claims.