Aramox Universal Motorcycle Retro Modification LED Odometer Speedometer Digital Mile Meter Gauge

Aramox Universal Motorcycle LED Odometer Speedometer Digital Mile Meter Gauge User Manual

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Aramox Universal Motorcycle LED Odometer Speedometer. This device is designed to accurately display speed and mileage for most DC 12V motorcycles, featuring a retro design with a modern LED digital display.



Image 1.1: Front view of the Aramox Universal Motorcycle LED Odometer Speedometer.

2. Safety Information

Please read all safety instructions before installation and operation to prevent damage to the product or injury. Keep this manual for future reference.

- **Professional Installation Recommended:** Installation of electrical components on motorcycles can be complex. It is recommended that installation be performed by a qualified technician.
- **Power Source:** Ensure the motorcycle's power is disconnected before attempting any wiring. This device operates on DC 12V. Connecting to an incorrect voltage may cause damage.
- **Secure Mounting:** Ensure the speedometer is securely mounted to prevent vibration-induced damage or detachment during operation.
- **Water Resistance:** While designed for outdoor use, avoid direct high-pressure water spray on the unit during cleaning.

3. Package Contents

Verify that all items listed below are present in your package:

- 1 x Aramox Universal Motorcycle LED Odometer Speedometer

4. Specifications

Detailed technical specifications for the Aramox Speedometer:

Feature	Detail
Condition	Brand New
Housing Material	Aluminium Alloy
Color	Black + Silver
Voltage	DC 12V
Size	65 * 50mm (2.6 * 2.0 inches)
Item Weight	0.1 Kilograms (approx. 3.53 ounces)
Display Type	Analog Speed, Digital Odometer, LED Backlight
Applicability	Most DC 12V Motorcycles

5. Setup and Installation

Follow these steps for proper installation of your speedometer. Ensure the motorcycle's power is off before beginning.

5.1 Mounting the Speedometer

1. Identify a suitable mounting location on your motorcycle, typically near the handlebars or existing gauge cluster.
2. Use the integrated mounting bracket to secure the speedometer. Ensure it is positioned for clear visibility and does not obstruct other controls.
3. Tighten all mounting hardware to prevent movement during operation.



Image 5.1: Rear view of the speedometer, illustrating the mounting bracket and wiring connections.

5.2 Electrical Connections

The speedometer requires a DC 12V power supply. Refer to your motorcycle's wiring diagram for appropriate connection points.

1. **Red Wire:** Connect to the motorcycle's positive (+) 12V ignition switched power source.
2. **Black Wire:** Connect to the motorcycle's negative (-) ground.
3. **Speed Sensor Wire:** Connect the speed sensor wire (not explicitly detailed in product info, but implied by 'speedometer') to the appropriate signal input from your motorcycle's speed sensor. If replacing an existing mechanical speedometer, a speed sensor conversion kit may be required (not included).
4. Ensure all connections are secure and insulated to prevent short circuits and corrosion.



Image 5.2: The speedometer installed on a motorcycle, demonstrating its compatibility with most DC 12V systems.

6. Operating Instructions

Once properly installed and powered, the speedometer will automatically activate with the motorcycle's ignition.

6.1 Reading the Display

- **Speed:** The analog needle indicates your current speed in kilometers per hour (Km/h).
- **Odometer:** The digital display shows the total accumulated mileage.
- **LED Backlight:** The integrated LED backlight illuminates the display, ensuring clear readability in low-light conditions and at night.



Image 6.1: Close-up of the speedometer's illuminated display, highlighting the clear visibility provided by the internal LED backlight.

7. Maintenance

Regular maintenance helps ensure the longevity and accurate performance of your speedometer.

- **Cleaning:** Wipe the display and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or display.
- **Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion. Ensure the mounting bracket remains secure.
- **Environmental Protection:** While designed for motorcycle use, prolonged exposure to extreme weather conditions (e.g., heavy rain, direct sunlight for extended periods) may affect performance over time.

8. Troubleshooting

If you encounter issues with your speedometer, refer to the following common problems and solutions:

- **No Power/Display Not Lighting Up:**
  - Check the 12V power connection (red wire) and ground connection (black wire).
  - Verify the motorcycle's ignition is on and providing power.
  - Inspect for blown fuses in the motorcycle's electrical system.
- **Inaccurate Speed Reading:**
  - Ensure the speed sensor wire is correctly connected and the sensor is functioning.
  - Verify the speedometer is compatible with your motorcycle's speed signal type.
- **Odometer Not Changing:**
  - This is typically linked to the speed signal. Check the speed sensor and its connection.

If these steps do not resolve the issue, contact customer support for further assistance.

9. Warranty and Support

For specific warranty details, please refer to the documentation provided at the time of purchase or contact your seller directly. Aramox is committed to customer satisfaction.
If you have any questions or require assistance with your product, you can contact the Aramox customer service team. They aim to respond within 24 hours.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question