Geloo B0CVX58W1H

Geloo 52mm Digital GPS Speedometer Gauge User Manual

Model: B0CVX58W1H

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Geloo 52mm Digital GPS Speedometer Gauge. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the device.
The Geloo 52mm Digital GPS Speedometer is designed for universal application across various vehicles including cars, boats, RVs, yachts, trucks, motorcycles, and off-road vehicles. It offers high precision, quick location confirmation, and a short startup time, making it a reliable instrument for speed and mileage tracking.

Product Features

- **Universal Compatibility:** Suitable for a wide range of vehicles including automotive, marine, and off-road applications.
- **High Precision GPS:** Utilizes GPS signals for accurate speed and mileage readings with rapid acquisition.
- **Durable Construction:** Features an IP67 waterproof and dustproof rating, ensuring reliable performance in harsh environments, including acid, alkali, and humid conditions.
- **Adjustable Units:** Speed can be displayed in MPH, Knots, or Km/h. Mileage can be displayed in Mi, NMI, or KM.
- **Wide Voltage Range:** Operates on 9-32V DC power systems.
- **Clear Digital Display:** Provides easy-to-read digital readouts for speed, odometer, and trip mileage.

Package Contents

Upon opening the package, verify that all components are present and undamaged:

- 1x Geloo 52mm Digital GPS Speedometer Gauge
- 1x GPS Speed Sensor (Antenna)
- 1x Instruction Manual (this document)
- Necessary Wiring Harness

Setup and Installation

Proper installation is crucial for the accurate and reliable operation of your GPS speedometer. Please follow these steps carefully.

1. Pre-Installation Considerations

- Ensure the vehicle's power is off before beginning installation.
- Select a mounting location on the dashboard or panel that is flat and provides sufficient clearance behind for the gauge and wiring.

2. Panel Cutout

You will need to create a circular hole in your panel for the speedometer. The recommended diameter for this hole is approximately **52mm to 53mm (2 inches)**. Ensure there is at least **70mm (2.75 inches)** of clear space behind the panel for the gauge body and wiring connections.



Figure 1: Speedometer Dimensions. The front diameter is approximately 55.8mm, and the depth from the front face to the back of the housing is about 54.3mm, with a mounting hole diameter of 49mm for the main body.

3. GPS Antenna Placement

The GPS antenna is critical for signal reception. For optimal performance, install the GPS antenna in a location where it has a clear, unobstructed view of the sky. This is preferably outside the vehicle, or inside the front windscreen if an external mount is not feasible. Avoid placing it under metal objects or in enclosed spaces that could block satellite signals.

4. Wiring Connections

Refer to the wiring diagram below for correct electrical connections. Ensure all connections are secure and insulated to prevent short circuits.



Figure 2: Wiring Instructions. This diagram illustrates the connections for the speedometer, including power (IGN.SW or SEP.SW for +12/24V), Ground (Black), External Button (Green + White, connect to negative), Low Fuel Level Alarm (Yellow), Oil Pressure Alarm (Brown), and Emergency Alarm (Orange).

- **Red Wire:** Connect to +12V or +24V ignition switched power source.
- **Black Wire:** Connect to vehicle chassis ground.
- **Green + White Wires:** Connect to the external button for unit adjustment.
- **Yellow Wire:** Low Fuel Level Alarm input.
- **Brown Wire:** Oil Pressure Alarm input.
- **Orange Wire:** Emergency Alarm input.

Operating Instructions

Once installed and powered on, the speedometer will begin to acquire GPS signals. This process may take a few moments, especially during the first use or after a long period of inactivity.

1. Initial Power On

When the device is powered on, the display will illuminate. The "GPS" indicator will typically flash until a stable satellite signal is acquired, after which it will remain solid.

2. Display Modes and Units

The speedometer displays current speed, odometer (total mileage), and trip mileage. You can adjust the units of measurement for speed and mileage.



Figure 3: Adjustable Units. The speedometer supports display in Kilometers per hour (Km/h), Miles per hour (MPH), and Knots.

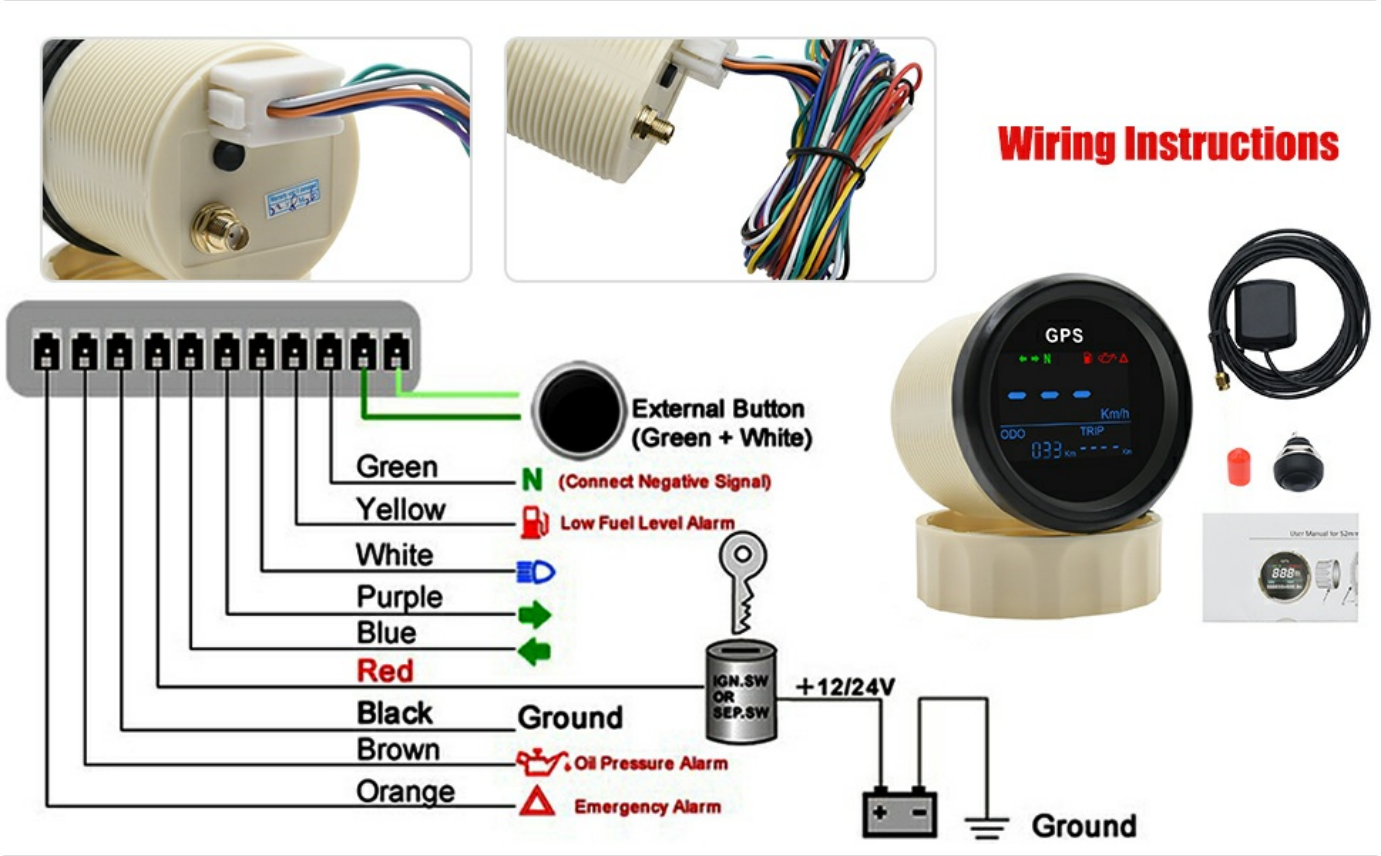


Figure 4: Display Indicators. The gauge includes indicators for Neutral (N), High Beam, Left Direction Light, Right Direction Light, Fuel Alarm, Oil Pressure Alarm, and Malfunction.

3. Adjusting Units

To cycle through the speed units (MPH, Knots, Km/h) and mileage units (Mi, NMI, KM), press the external button connected to the green and white wires. A short press will typically cycle through the options. Consult the specific button functionality in the included quick start guide if available.

4. Trip Reset

The trip mileage can usually be reset by pressing and holding the external button for a few seconds while the trip display is active. Refer to the quick start guide for precise instructions on resetting the trip odometer.

Maintenance

The Geloo GPS Speedometer is designed for low maintenance. However, following these guidelines will help ensure its longevity:

- **Cleaning:** Use a soft, damp cloth to clean the display and housing. Avoid abrasive cleaners or solvents that could damage the surface.
- **Connections:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.
- **Waterproof Integrity:** While the unit is IP67 rated, avoid direct high-pressure water jets on the display, especially during cleaning, to prevent potential water ingress over time.



Figure 5: Waterproof Design. The speedometer is built to withstand water exposure, making it suitable for marine and outdoor applications.

Troubleshooting

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

Problem	Possible Cause	Solution
No Power / Display Off	Loose wiring connection; Blown fuse; Incorrect voltage supply.	Check all power and ground connections. Inspect vehicle fuse box. Ensure voltage is within 9-32V DC.
"GPS" Indicator Flashing / No Speed Reading	Poor GPS signal reception; Antenna not connected or faulty.	Relocate GPS antenna to a position with clear sky view. Ensure antenna cable is securely connected to the speedometer. Allow more time for signal acquisition.

Problem	Possible Cause	Solution
Inaccurate Speed Reading	Weak GPS signal; Interference; Unit setting incorrect.	Verify strong GPS signal. Check for nearby electronic interference. Ensure correct speed unit (MPH, Km/h, Knots) is selected.
Buttons Unresponsive	External button wiring issue; Button malfunction.	Check wiring for the external button. If wiring is correct, the button itself may be faulty.

If the problem persists after attempting these solutions, please contact Geloo customer support for further assistance.

Specifications

Parameter	Value
Model	B0CVX58W1H
Working Voltage	9~32 V DC
Operating Current	≤60mA
Operating Temperature	-30 to +75℃ (-22 to +167°F)
Storage Temperature	-40 to +85℃ (-40 to +185°F)
Indicating Range	0~999 (MPH, Knots, Km/h adjustable)
Mileage Range	0~99999.9 (Mi, NMI, KM available)
Waterproof Rating	IP67
Mounting Hole Diameter	52-53mm (2 inches)
Backyard Clearance Required	70mm (2.75 inches)
Material	Stainless Steel
Product Dimensions (L x W x H)	3.74 x 3.5 x 3.5 inches
Item Weight	7.04 ounces

Warranty and Support

Geloo products are manufactured under strict quality control standards. For warranty information and customer support, please refer to the following:

- **Warranty:** Specific warranty details are typically provided with your purchase documentation or on the official Geloo website. Please retain your proof of purchase for warranty claims.
- **Customer Support:** If you have any questions, require technical assistance, or need to report an issue, please contact Geloo customer service. You can often find contact information on the product packaging, the official Geloo website, or through the retailer where you purchased the product.
- **Online Resources:** Visit the official Geloo store for additional product information, FAQs, and support resources: Geloo Store on Amazon

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