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ACECAR G13

ACECAR Digital GPS Speedometer User Manual

Model: G13

Brand: ACECAR

Product Overview

The ACECAR Digital GPS Speedometer is a versatile Head-Up Display (HUD) designed to enhance driving safety and convenience. It utilizes advanced GPS+BeiDou dual-mode chip technology to provide accurate real-time speed readings, driving direction, and other essential information directly in your line of sight. This device is universally compatible with all vehicles, offering a plug-and-play installation.

Key features include a digital display with multiple color options, a built-in compass, and important alarm functions such as overspeed alerts and fatigue driving reminders. Its automatic light-sensitive adjustment ensures clear visibility day or night.



Image: The ACECAR Digital GPS Speedometer with its included suction cup mount, displaying a speed of 36 MPH in green.

What's in the Box

- G13 GPS Speedometer Unit
- Micro USB Cable
- Non-slip Mat
- Rotary Suction Cup Holder
- User Manual



Image: All components included in the package: the G13 HUD unit, Micro USB cable, non-slip mat, rotary suction cup holder, and the manual.

Setup and Installation

The ACECAR GPS Speedometer features a simple plug-and-play installation process, requiring no special tools or complex wiring. It can be powered via a standard USB port or a cigarette lighter car charger port (adapter not included).

1. **Choose Placement:** Decide on a suitable location on your dashboard or windshield that provides a clear view without obstructing your driving vision. The device can be placed directly on the dash using the non-slip mat or mounted with the rotary suction cup holder.
2. **Connect Power:** Connect the provided Micro USB cable to the Micro USB port on the speedometer unit. Plug the other end of the USB cable into a 5V USB power supply in your vehicle (e.g., a car's USB port or a USB car charger).
3. **Secure Device:** If using the non-slip mat, place the speedometer firmly on the desired dashboard location. If using the suction cup holder, attach it to the windshield or dashboard and then secure the speedometer unit to the holder.
4. **Power On:** The device will automatically power on when connected to a power source. It will begin searching for GPS signals.

Once connected, the display will show your current speed.



Image: Illustration of the plug-and-play installation, showing the USB cable connecting the speedometer to a car's cigarette lighter port.

Installation Video Guide

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Video: Official ACECAR video demonstrating the installation process of the G13 Digital GPS Speedometer, including connecting the USB cable and placing the unit on the dashboard.

Operating Instructions

Display Features

The G13 GPS Speedometer displays various driving data. The main display shows speed (MPH or KM/H), and it can also show driving direction (N, S, E, W), time, and the number of satellites connected.



Image: Visual representation of the various data points displayed by the speedometer, including speed, time, driving direction, and number of satellites.

Changing Display Colors

The speedometer offers 6 display colors (green, yellow-green, light blue, cyan, blue, red, purple) that can be switched to personalize your driving experience.



Image: The speedometer displaying various color themes, such as yellow-green, light blue, cyan, blue, red, and purple.

Automatic Brightness Adjustment

The built-in light sensor automatically adjusts the display brightness based on external light conditions, ensuring clear visibility during both day and night driving.



Image: Comparison of the speedometer's display brightness in daytime and nighttime conditions, demonstrating its automatic adjustment feature.

Alarm Functions

The device includes two important alarm functions to enhance driving safety:

- **Overspeed Alarm:** You can set a custom speed limit. If your vehicle exceeds this limit, the speedometer will emit an audible alert. The default setting is 120 KM/H.
- **Fatigue Driving Reminder:** This alert will sound if you have been driving continuously for more than 4 hours, reminding you to take a break.



Image: The speedometer displaying an overspeed alarm (red 150 KM/H) and icons for overspeed and fatigue driving reminders.

Switching Speed Units (MPH/KM/H)

To switch between MPH and KM/H units:

1. When the GPS speedometer is on and stops blinking, press the scroll wheel button inward for 3 seconds to enter item 1 (1-7).
2. Then, press the scroll wheel button inward to enter the speed setting (factory default is 107).
3. Scroll the wheel button to the left or right to switch the speed unit (0-KM/H, 1-MPH).
4. Finally, press the wheel button inward for 3 seconds to save and exit.

Maintenance

To ensure the longevity and optimal performance of your ACECAR Digital GPS Speedometer, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the display and casing. Avoid abrasive cleaners or solvents that could damage the

surface.

- **Storage:** If storing the device for an extended period, disconnect it from the power source and keep it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Ensure the Micro USB cable is not kinked or pinched, as this can damage the cable and affect power delivery.

Troubleshooting

If you encounter issues with your ACECAR Digital GPS Speedometer, refer to the following common troubleshooting steps:

- **No Speed Display:**
  If the GPS blinks while searching for numbers, move the car to a wide, open area. The display should work after the GPS light becomes steady. Ensure the device is receiving adequate power (5V supply is required; higher voltage is forbidden).
- **Inaccurate Speed Reading:**
  You can fine-tune the speed for more accuracy:

  a. Check if the unit is correct (KM/H or MPH).
  b. Connect the HUD display to the car USB interface, turn it on, and stop blinking.
  c. Press the scroll wheel button inward for 3 seconds to enter item 1 (1-7).
  d. Scroll the button to the right to switch to item 5.
  e. Press the wheel button inward to enter the speed setting (factory default is 107).
  f. Scroll the wheel button to the left or right to adjust the value. For example, if your car's speed is 29 MPH and the speedometer shows 34 MPH, you need to adjust "107" to "102". If your car's speed is 29 MPH and the speedometer shows 24 MPH, adjust "107" to "112".
  g. Finally, press the scroll wheel button inward for 3 seconds to save and exit.



Image: A detailed diagram showing the scroll button controls and instructions for switching speed units and fine-tuning speed.

Specifications

Brand	ACECAR
Model Number	G13
Material	Plastic
Item Dimensions (L x W x H)	2.6 x 2.39 x 0.97 inches
Item Weight	4.6 ounces (131.5 Grams)
Screen Size	2.57 Inches
Country of Origin	China
Compatibility	Universal (All vehicles with 5V USB power supply)
Chip Type	GPS+BeiDou dual-mode

Warranty and Support

The ACECAR Digital GPS Speedometer comes with a **12-month warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.
For technical support, troubleshooting assistance, or warranty claims, please contact ACECAR customer service through the retailer's platform or the official brand website. Please have your product model number (G13) and purchase details ready when contacting support.

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