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> YAOUZICN H3 GPS HUD Speedometer Instruction Manual

## YAOUZICN H3

# YAOUZICN H3 GPS HUD Speedometer Instruction Manual

*Model: H3*

## 1. INTRODUCTION

The YAOUZICN H3 GPS HUD Speedometer is designed to enhance driving safety by projecting essential vehicle data onto your windshield. This device utilizes GPS technology to display real-time speed, time, trip mileage, total mileage, and a digital compass. It also includes safety features such as overspeed warnings and a fatigue driving reminder. This manual provides comprehensive instructions for the proper installation, operation, and maintenance of your H3 GPS HUD Speedometer.

## 2. PACKAGE CONTENTS

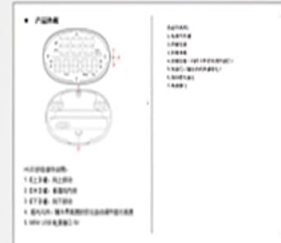
Please verify that all items listed below are included in your package:

- H3 Host Unit
- Hood (for glare reduction)
- Instruction Manual
- 2.5M USB Cable
- Non-slip Mat

# Product List



【H3-host】



【Instructions】



【The hood】



【2.5M USB Cable】



【Non-slip mat】

Figure 2.1: Included Package Contents. This image displays the H3 host unit, a separate hood, the instruction manual, a 2.5-meter USB cable, and a non-slip mat, all essential components for the device.

## 3. PRODUCT OVERVIEW

The H3 GPS HUD Speedometer features a 3.5-inch digital display designed for clear visibility. It provides various driving data and includes user-configurable settings.

### 3.1 Key Features

- **3.5" Large Digital Display:** Projects bright, clear digital speed and driving data onto your windshield for easy reading and reduced distraction.
- **Multi-Function GPS Speedometer:** Displays real-time speed, current time, trip mileage, total mileage, and a digital compass.
- **Built-In Safety Alarms:** Includes programmable overspeed warnings and a fatigue driving reminder.
- **Universal Plug and Play:** Connects via USB cable to your car's cigarette lighter or 12V socket, compatible with all vehicles without requiring an OBD2 port.

### 3.2 Device Components



Figure 3.1: H3 GPS HUD Speedometer Component Diagram. This diagram labels the various parts and display elements of the H3 unit, including the compass, speed display, speed unit, time icon, fatigue driving icon, multi-function display area, mileage unit, ambient light sensor, satellite icon, speed alert icon, single mileage icon, travel time icon, total mileage icon, automatic sensor, MINI USB port, and setting button.

**Table 3.1: Component Descriptions**

No.	Component	Description
1	Compass	Indicates driving direction (N, S, E, W).
2	Speed	Displays current driving speed.
3	Speed Unit	Indicates speed unit (MPH or KM/H).
4	Time Icon	Indicates the display of current time.
5	Fatigue Driving Icon	Alerts the driver for prolonged driving periods.
6	Multi-function Display Area	Displays various data such as time, mileage, etc.
7	Mileage Unit	Indicates mileage unit (Miles or Km).
8	Ambient Light	Sensor for automatic brightness adjustment.

No.	Component	Description
9	Satellite Icon	Indicates GPS satellite signal status.
10	Speed Alert Icon	Flashes when the set speed limit is exceeded.
11	Single Mileage Icon	Displays mileage for the current trip.
12	Travel Time Icon	Displays the duration of the current trip.
13	Total Mileage Icon	Displays the accumulated total mileage.
14	Automatic Sensor	Adjusts display brightness based on ambient light.
15	MINI USB	Power input port.
16	Setting Button	Used to navigate menus and adjust settings.

## 4. SETUP INSTRUCTIONS

The H3 GPS HUD Speedometer is designed for simple plug-and-play installation.

### 4.1 Placement

1. Choose a suitable flat surface on your dashboard, typically near the windshield, where the display will be clearly visible without obstructing your view of the road.
2. Attach the non-slip mat to the chosen location on your dashboard.
3. Place the H3 host unit onto the non-slip mat.
4. Attach the provided hood to the H3 unit to reduce glare and improve visibility, especially in bright conditions.



①	Compass	⑦	Mileage Unit	⑬	Total Mileage Icon
②	Speed	⑧	Ambient Light	⑭	Automatic Sensor
③	Speed Unit	⑨	Satellite Icon	⑮	MINI USB
④	Time Icon	⑩	Speed Alert Icon	⑯	Setting Button
⑤	Fatigue Driving Icon	⑪	Single Mileage Icon		
⑥	Multi-function Display Area	⑫	Travel Time Icon		

Figure 4.1: Device Placement on Dashboard. The H3 HUD is shown positioned on the car's dashboard, providing a clear view of the displayed information through the windshield.

## 4.2 Power Connection

1. Connect the smaller end of the 2.5M USB cable to the MINI USB port (15) on the H3 host unit.
2. Plug the larger end of the USB cable into your car's cigarette lighter or a 12V USB power adapter.
3. Route the cable neatly to avoid interference with driving controls.


Your browser does not support the video tag.

Video 4.1: H3 HUD Installation and Operation. This video demonstrates the process of connecting the H3 HUD to power, placing it on the dashboard, and cycling through its various display modes and unit settings.

## 4.3 Satellite Signal Acquisition

Upon power-up, the H3 unit will automatically search for GPS satellite signals. The satellite icon (9) will indicate signal status. Ensure the device has a clear view of the sky for optimal signal reception. Avoid using the device indoors or in areas with significant signal obstruction.

## H3 GPS HUD Speedometer



The GPS speedometer needs to be connected to a satellite signal. Please avoid using it indoors and in locations with signal shielding. Once connected, it can update the speed in real time.

Figure 4.2: Satellite Signal Requirement. This image highlights the importance of a clear satellite signal for the H3 HUD to function correctly, advising against indoor use or locations with signal interference.

## 5. OPERATING INSTRUCTIONS

### 5.1 Display Modes

The H3 GPS HUD Speedometer offers multiple display modes. Short press the middle button (16) to cycle through the available interfaces:

- Speed + Ambient Light + Compass + Time
- Speed + Compass + Time
- Speed + Compass
- Speed Only

# Four Main Interfaces Free to Switch

Short press the middle button to switch the interface



Speed+Ambient Light+Compass+Time



Speed+Compass+Time



Speed+Compass



Speed

Figure 5.1: Four Main Display Interfaces. This image illustrates the four customizable display modes available on the H3 HUD, allowing users to select the information most relevant to their driving needs.

## 5.2 Switching Speed Units (MPH/KM/H)

To switch between kilometers per hour (KM/H) and miles per hour (MPH):

1. Long press the 'Up' button (part of the Setting Button 16) for two seconds.
2. The speed unit will toggle between MPH and KM/H.

## 5.3 Safety Alarms

- **Overspeed Warning:** The device can be configured to alert you audibly when a preset speed limit is exceeded. Refer to the full instruction manual for detailed steps on setting the overspeed threshold. The Speed Alert Icon (10) will flash.
- **Fatigue Driving Reminder:** For long journeys, the H3 includes a fatigue driving reminder. This feature encourages breaks to promote safer driving habits. The Fatigue Driving Icon (5) will activate.

# Overspeed Alarm Function

## Improve Driving Safety

The device flashes automatically  
when the speed exceeds a preset maximum speed



Figure 5.2: Overspeed Alarm Function. This image demonstrates the overspeed alarm feature, where the device flashes when the vehicle's speed surpasses a user-defined limit, enhancing driving safety.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your YAOUZIGN H3 GPS HUD Speedometer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display and exterior of the device. Avoid abrasive cleaners or solvents that could damage the surface.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Ensure the USB cable is not kinked or pinched, as this can damage the wiring.

## 7. TROUBLESHOOTING

If you encounter issues with your H3 GPS HUD Speedometer, refer to the following common problems and solutions:

**Table 7.1: Troubleshooting Guide**

Problem	Possible Cause	Solution
Device does not power on.	No power supply or faulty cable.	<ul style="list-style-type: none"> <li>◦ Ensure the USB cable is securely connected to both the device and the car's power source.</li> <li>◦ Verify the car's cigarette lighter or USB port is functional.</li> <li>◦ Try a different USB cable or power source if available.</li> </ul>
Display shows "0000" or no speed.	No GPS satellite signal.	<ul style="list-style-type: none"> <li>◦ Ensure the device has a clear view of the sky.</li> <li>◦ Move the vehicle to an open area away from tall buildings, tunnels, or dense foliage.</li> <li>◦ Wait a few minutes for the device to acquire satellite signals.</li> </ul>
Inaccurate speed reading.	GPS signal interference or initial calibration needed.	<ul style="list-style-type: none"> <li>◦ Ensure strong GPS signal (satellite icon solid).</li> <li>◦ Refer to the full instruction manual for calibration procedures if available.</li> </ul>

## 8. SPECIFICATIONS

**Table 8.1: Product Specifications**

Feature	Detail
Product Dimensions	3.1 x 2.1 x 1.2 inches
Item Weight	1.44 ounces (0.09 Pounds)
Model Number	H3
Brand	YAOUZICN
Material	Plastic
Power Source	USB (12V car socket compatible)
Display Type	Digital, 3.5 inch
Connectivity	GPS

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact YAOUZICN customer service directly. Details are typically available on the manufacturer's official website or through the retailer where the product was purchased.

YAOUZICN is committed to providing reliable products and customer assistance. If you have any questions

or require technical support, please reach out to the provided contact channels.

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