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## Moman HS1

# Moman HS1 GPS HUD Digital Speedometer User Manual

Model: HS1

## 1. INTRODUCTION

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The Moman HS1 GPS HUD Digital Speedometer is designed to enhance your driving experience by displaying essential vehicle information directly in your line of sight. This device features a digital compass, over-speed alert, and fatigue driving reminder, making your journeys safer and more informed. It is compatible with all vehicle types, including new energy, hybrid, fuel, buses, and trucks, offering a plug-and-play installation.

## 2. PRODUCT OVERVIEW

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The Moman HS1 provides real-time speed, driving mileage, and compass direction. Its automatic brightness adjustment ensures clear visibility in various lighting conditions. The device also includes safety features like over-speed and fatigue driving alerts.

### 2.1 Package Contents

- Moman HS1 GPS HUD Unit
- Micro USB Cable
- Non-Slip Mat
- User Manual

# Product Accessories



HS1 GPS HUD



Micro USB Cable



Non-Slip Mat



Manual

## Simple Installation, Plug and Play

1. Plug the USB cable into the cigarette lighter interface

2. Connect the USB side to the HS1 display

3. Put the HUD on dashboard



Figure 1: Product Accessories. This image shows the Moman HS1 GPS HUD unit, a Micro USB cable, a non-slip mat, and the user manual, which are included in the package.

## 2.2 Device Features and Components

# Moman HS1 Display Function



Figure 2: Moman HS1 Display Function Diagram. This diagram labels various parts of the Moman HS1 device, including the multifunctional display area, compass indicators (North, East, West, South), speed unit, satellite icon, fatigue driving alarm, driving mileage, buzzer, dial button, photosensitive element, and Micro USB interface. It also highlights key functions like Speed, Driving Mileage, Compass, Overspeed Alarm, Fatigue Driving Alarm, Speed Unit Switch, Automatic Photosensitive, and Auto Power On/Off.

- **Multifunctional Display Area:** Shows speed, mileage, and other data.

- **Compass Indicators:** N, E, W, S for direction.
- **Speed Unit:** Displays KM/H or MPH.
- **Satellite Icon:** Indicates GPS signal status.
- **Fatigue Driving Alarm:** Visual alert for prolonged driving.
- **Driving Mileage:** Tracks distance traveled.
- **Buzzer:** Provides audible alerts.
- **Dial Button:** Used for settings and mode selection.
- **Photosensitive Element:** Automatically adjusts display brightness.
- **Micro USB Interface:** For power connection.

### 3. SETUP AND INSTALLATION

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The Moman HS1 is designed for simple plug-and-play installation. Follow these steps to set up your device:

1. **Place the Non-Slip Mat:** Position the non-slip mat on a flat, stable surface on your dashboard where the HUD will be clearly visible and not obstruct your view of the road.
2. **Position the HUD Unit:** Place the Moman HS1 HUD unit on the non-slip mat.
3. **Connect the USB Cable:**
  - Connect the Micro USB end of the provided cable to the Micro USB interface on the HS1 display unit.
  - Connect the other end of the USB cable to a 5V USB port in your vehicle (e.g., car charger, USB port).
4. **Power On:** The device will automatically power on when connected to power and the vehicle starts.
5. **GPS Signal Acquisition:** The HUD will search for a GPS signal. Once acquired, the speed and compass information will be displayed.

# GPS HUD Works For **All** Cars

Plug and Play | Just Need USB Port **5V**



Figure 3: Simple Installation Steps. This image illustrates the three easy steps for installing the Moman HS1: 1. Plug the USB cable into the cigarette lighter interface, 2. Connect the USB side to the HS1 display, and 3. Put the HUD on the dashboard.

The Moman HS1 is compatible with various vehicle types, including new energy vehicles, hybrid vehicles, fuel vehicles, trucks, and buses, requiring only a 5V USB power source.

# Auto Light Adjustment & Driving Mileage



Figure 4: GPS HUD Compatibility. This image demonstrates that the Moman HS1 GPS HUD works for all cars, including New Energy Vehicles, Hybrid Vehicles, Fuel Vehicles, Trucks, and Buses, requiring only a 5V USB port for power.

## 4. OPERATING INSTRUCTIONS

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The Moman HS1 features a dial button for navigation and settings adjustment. The display automatically adjusts brightness based on ambient light.

## 4.1 Display Modes

The device offers multiple display modes. Use the dial button to switch between them:

- **Simple Speed:** Displays current speed only.
- **Number of Satellites + Compass:** Shows speed, number of acquired satellites, and compass direction.
- **Speed + Unit + Compass:** Displays speed with unit (KM/H or MPH) and compass direction.
- **Driving Mileage + Compass:** Shows total driving mileage and compass direction.
- **Compass Angle + Compass:** Displays speed, compass angle, and compass direction.

# Multiple Display Modes, Switch Freely



Simple Speed



Number of Satellites  
+ Compass



Speed + Unit  
+ Compass



Driving Mileage  
+ Compass



Compass Angle  
+ Compass



Figure 5: Multiple Display Modes. This image illustrates the various display modes available on the Moman HS1, including Simple Speed, Number of Satellites + Compass, Speed + Unit + Compass, Driving Mileage + Compass, and Compass Angle + Compass.

## 4.2 Automatic Brightness Adjustment

The built-in light sensor automatically adjusts the display brightness to ensure optimal visibility during both day and night

driving conditions.

# GPS Compass & BeiDou Dual Mode Chip

## No Latency/No Deviation

Adopts 10 Hz high refresh rate with 10 frames per second,  
the car speed refreshes quickly



Figure 6: Automatic Light Adjustment. This image shows how the Moman HS1 automatically adjusts its display brightness for clear visibility during daytime and nighttime driving, also indicating the display of driving mileage.

### 4.3 Safety Alerts

- **Over-Speed Alarm:** The device provides an audible and visual alert if your speed exceeds a preset limit (default 120 KM/H). This limit can be adjusted in the settings.
- **Fatigue Driving Reminder:** After a continuous driving period (default 4 hours), the device will remind you to take a break. This duration can also be adjusted.



Figure 7: Safe Driving Reminder. This image shows the Moman HS1 displaying a speed of 160 KM/H with an alert icon, indicating both an

overspeed alarm and a fatigue driving alarm, reminding the user to drive safely.

#### 4.4 GPS and Compass Functionality

The Moman HS1 utilizes a 10 Hz high refresh rate GPS and BeiDou dual-mode chip for accurate and real-time speed and direction data. This ensures minimal latency and high precision, regardless of weather conditions.



Figure 8: GPS Compass & BeiDou Dual Mode Chip. This image highlights the Moman HS1's advanced GPS and BeiDou dual-mode chip, which provides accurate positioning and a 10 Hz high refresh rate for quick speed updates, along with a compass display.

## 5. SETTINGS AND CUSTOMIZATION

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The dial button allows access to various settings. Press and hold the dial button to enter the settings menu. Use short presses to navigate options and long presses to confirm selections.

- **Speed Unit Switch:** Toggle between KM/H and MPH.
- **Over-Speed Alarm Threshold:** Adjust the speed limit for the alarm.

- **Fatigue Driving Reminder Duration:** Set the continuous driving time before the reminder activates.
- **Brightness Adjustment:** Manual override for automatic brightness (if available).

Refer to the included printed user manual for detailed instructions on navigating the settings menu and customizing each option.

## 6. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the display and exterior of the device. Avoid using abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, disconnect the device from power and store it in a cool, dry place.
- **Cable Care:** Ensure the USB cable is not bent sharply or subjected to excessive force to prevent damage.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not power on.	No power supply or faulty USB connection.	Check if the USB cable is securely connected to both the device and a working 5V USB port. Try a different USB port or power adapter.
No speed display or inaccurate speed.	No GPS signal or weak signal.	Ensure the vehicle is outdoors with a clear view of the sky. Move the device to a location with better satellite reception. Wait for the GPS icon to stabilize.
Display is too dim or too bright.	Automatic brightness adjustment issue or manual setting.	Ensure the photosensitive element is not obstructed. Check settings to see if manual brightness is enabled or adjust the automatic sensitivity if possible.
Alarm sounds frequently.	Over-speed or fatigue driving alert thresholds are set too low.	Access the settings menu to adjust the over-speed alarm limit or the fatigue driving reminder duration to your preference.
Incorrect speed unit (KM/H vs MPH).	Incorrect unit selected in settings.	Enter the settings menu and switch the speed unit to your desired measurement (KM/H or MPH).

## 8. SPECIFICATIONS

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Feature	Detail
Model	HS1
Brand	Moman
Material	Plastic
Display Type	Digital LED
Power Input	5V USB
Positioning System	GPS & BeiDou Dual Mode
Refresh Rate	10 Hz
Alerts	Over-Speed Alarm, Fatigue Driving Reminder
Special Features	Digital Compass, Automatic Brightness Adjustment, Plug & Play
Included Components	Moman HS1 unit, Micro USB cable, Non-Slip Mat, User Manual

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official Moman website or contact Moman customer service directly. Details can typically be found on the product packaging or the included warranty card.

**Manufacturer:** Moman

**Seller:** MOMAN TECHNOLOGY USA

For further assistance, visit the [Moman Store on Amazon](#).

