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› Moman HS1 Car HUD Digital Speedometer Instruction Manual

Moman HS1

Moman HS1 Car HUD Digital Speedometer Instruction Manual

Model: HS1

1. INTRODUCTION

The Moman HS1 Car HUD Digital Speedometer is a versatile head-up display designed to enhance your driving experience by providing essential information directly in your line of sight. This device offers real-time speed display, compass direction, driving mileage, and incorporates crucial safety features such as overspeed and fatigue driving alerts. Its plug-and-play design ensures easy installation and compatibility with all vehicle types, including new energy, hybrid, fuel, buses, and trucks.



Image: The Moman HS1 Car HUD Digital Speedometer, displaying speed and compass information on its screen.

2. PRODUCT COMPONENTS

The Moman HS1 package includes the following items:

- Head-up display (Moman HS1 unit)
- Micro USB Cable
- Non-Slip Mat
- User Manual

Product Accessories



Micro USB Cable



Non-Slip Mat



Manual

HS1 GPS HUD

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



Image: Contents of the Moman HS1 package, showing the HUD unit, Micro USB cable, non-slip mat, and the instruction manual.

3. SETUP AND INSTALLATION

The Moman HS1 is designed for simple plug-and-play installation, compatible with all vehicle types.

3.1 Compatibility

This GPS HUD works with all cars, including new energy vehicles, hybrid vehicles, fuel vehicles, trucks, and buses. It only requires a 5V USB power source.

GPS HUD Works For **All** Cars

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



New Energy Vehicle



Hybrid Vehicle



5V USB



Truck



Fuel Vehicle



Bus

Image: Illustration showing the Moman HS1 HUD's compatibility with different vehicle types, powered by a 5V USB port.

3.2 Installation Steps

1. **Connect the USB cable:** Plug the Micro USB cable into a 5V USB port in your vehicle (e.g., car charger, USB port).
2. **Connect to the HS1 display:** Connect the other end of the USB cable to the Micro USB interface on the Moman HS1 unit.
3. **Position the HUD:** Place the Moman HS1 unit on your dashboard using the provided non-slip mat. Ensure it is positioned where the display is clearly visible without obstructing your view of the road.

The device will power on automatically when connected and receive power.

4. OPERATING INSTRUCTIONS

Understand the functions and controls of your Moman HS1 Car HUD.

4.1 Display Functions Overview

Moman HS1 Display Function

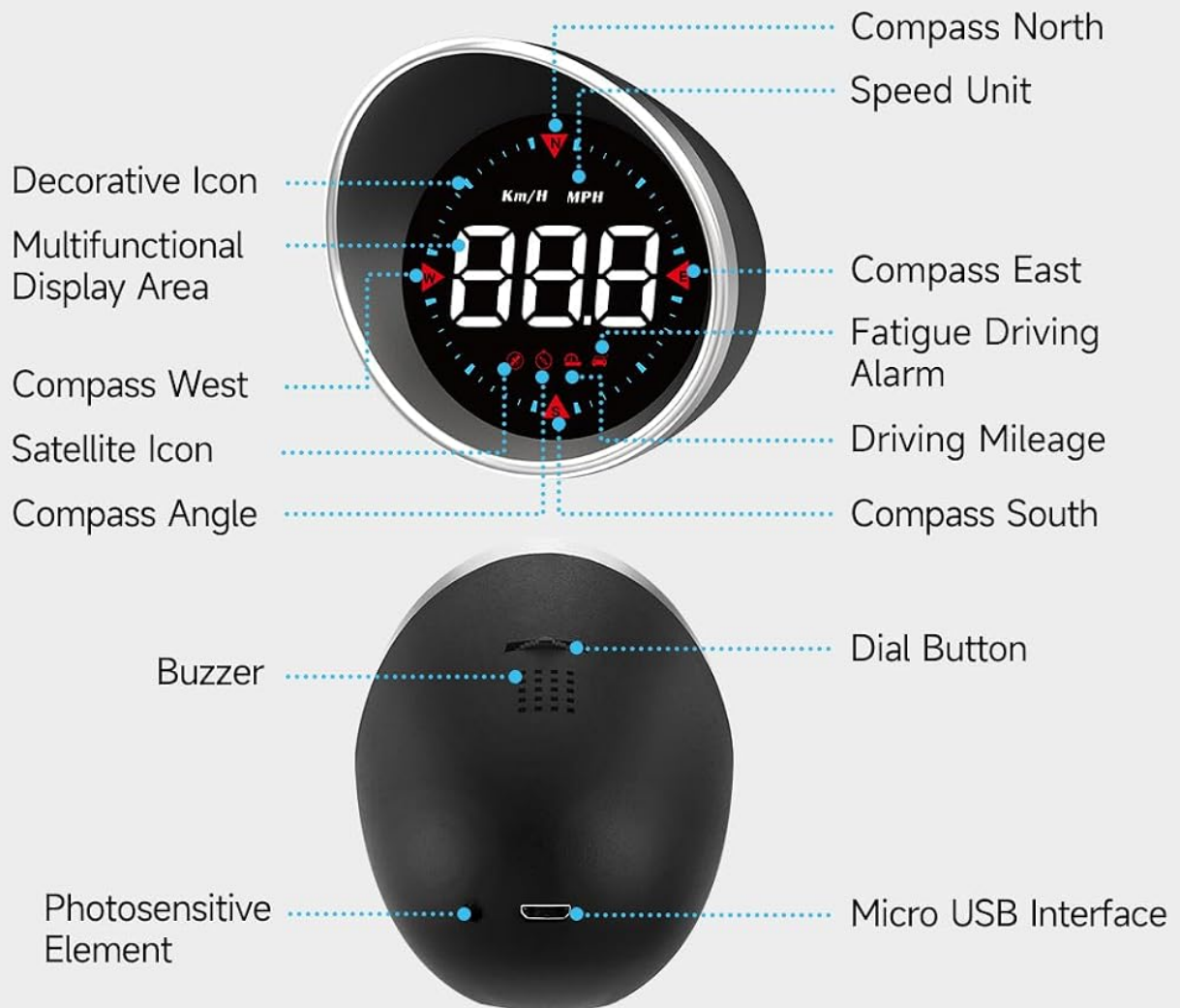


Image: Detailed diagram illustrating the various display areas and components of the Moman HS1 HUD, including speed unit, compass, alerts, and control button.

- **Multifunctional Display Area:** Shows current speed, mileage, or other selected data.
- **Speed Unit:** Indicates KM/H or MPH.
- **Compass:** Displays cardinal directions (N, S, E, W) and compass angle.

- **Satellite Icon:** Indicates GPS signal status.
- **Fatigue Driving Alarm:** Icon appears when active.
- **Overspeed Alarm:** Icon appears when active.
- **Dial Button:** Used for settings and mode switching.
- **Photosensitive Element:** Automatically adjusts display brightness.
- **Micro USB Interface:** Power input.

4.2 Display Modes

The Moman HS1 offers multiple display modes that can be switched freely using the dial button.

Multiple Display Modes, Switch Freely



Simple Speed



Number of Satellites
+ Compass



Speed + Unit
+ Compass



Driving Mileage
+ Compass



Compass Angle
+ Compass



Image: Visual representation of various display modes available on the Moman HS1, including simple speed, speed with compass, mileage, and satellite count.

- **Simple Speed:** Displays only the current speed.
- **Number of Satellites + Compass:** Shows GPS satellite count and compass.
- **Speed + Unit + Compass:** Displays speed with unit (KM/H or MPH) and compass.

- **Driving Mileage + Compass:** Shows accumulated driving mileage and compass.
- **Compass Angle:** Displays the precise compass angle.

4.3 Automatic Brightness Adjustment

The built-in light sensor automatically adjusts the display brightness according to ambient light conditions, ensuring clear visibility day and night.

Auto Light Adjustment & Driving Mileage



Image: The Moman HS1 HUD adapting its display brightness for both daytime and nighttime conditions, alongside an example of the driving mileage display.

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. GPS satellite data collection ensures precise positioning, unaffected by weather 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



Image: The Moman HS1 HUD highlighting its GPS Compass and BeiDou Dual Mode Chip for accurate and lag-free speed and direction readings.

4.5 Safety Features: Overspeed and Fatigue Driving Alerts

The device includes configurable alerts to promote safer driving:

- **Overspeed Alarm:** Alerts you when your speed exceeds a preset limit (default: 120 KM/H).
- **Fatigue Driving Reminder:** Reminds you to take a break after a preset continuous driving duration (default: 4 hours).

These values can be adjusted through the device settings.

Safe Driving Reminder, Have a Safe Trip!

The device will automatically flash to remind you
to drive safely



Image: The Moman HS1 HUD showing visual indicators for Overspeed Alarm and Fatigue Driving Alarm, promoting safe driving.

4.6 Changing Speed Units (KM/H to MPH)

The default speed unit is Kilometers Per Hour (KM/H). To change it to Miles Per Hour (MPH):

1. Press and hold the dial button to enter the settings menu.
2. Navigate through the settings options (typically numbered 1-6) using short presses or toggles of the dial button.
3. Locate the setting for speed unit (often option #5).
4. Toggle the dial button to select MPH.
5. Press and hold the dial button again to save the setting and exit the menu.

Refer to the detailed instructions in the included manual for specific menu navigation and option numbers.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Moman HS1 Car HUD, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display screen and the device body. Avoid using abrasive cleaners or solvents that may damage the surface.
- **Placement:** Ensure the device is securely placed on the non-slip mat to prevent movement during driving.
- **Temperature:** Avoid exposing the device to extreme temperatures (very high or very low) for extended periods, as this can affect its electronic components.
- **Storage:** If storing the device for a long time, disconnect it from power and keep it in a cool, dry place.

6. TROUBLESHOOTING

If you encounter issues with your Moman HS1 Car HUD, refer to the following common troubleshooting steps:

- **Device not powering on:**
 - Ensure the USB cable is securely connected to both the HUD and a functional 5V USB power source.
 - Try a different USB port or power adapter to rule out power source issues.
- **Inaccurate speed reading:**
 - Ensure the device has a clear view of the sky to receive GPS signals. Obstructions like tunnels or dense urban areas can temporarily affect accuracy.
 - Allow a few minutes after startup for the GPS to acquire a stable signal.
- **Display not visible in bright sunlight:**
 - While the device has automatic brightness adjustment, direct, intense sunlight (especially in open-top vehicles) can sometimes overwhelm the display. Try adjusting the angle or position slightly to minimize direct glare.
- **Cannot change speed units (KM/H to MPH):**
 - Refer to section 4.6 and the detailed instructions in your included manual for the correct procedure to access and change settings. Ensure you are pressing and holding the dial button for the correct duration to enter and exit the settings menu.

7. SPECIFICATIONS

Model Number	HS1
Material	Glass, Metal, Plastic
Power Input	5V USB

Display Type	Digital LED
GPS Refresh Rate	10 Hz
Included Components	Head-up display, Micro USB Cable, Non-Slip Mat, Manual
Parcel Dimensions	10.39 x 7.7 x 7.59 cm
Weight	200 g

8. WARRANTY AND SUPPORT

8.1 Warranty Information

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Moman website. Keep your purchase receipt as proof of purchase for warranty claims.

8.2 Customer Support

If you require technical assistance, have questions about product operation, or need to report an issue, please contact Moman customer service through their official website or the contact information provided in your product packaging.