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› M1 White Windshield Projection Heads Up Display User Manual

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Model: M1 white

1. INTRODUCTION

The Liiiyuan M1 is a GPS-enabled Head-Up Display (HUD) designed to project essential driving information, primarily speed, directly onto your vehicle's windshield. This device enhances driving safety by allowing drivers to view critical data without diverting their eyes from the road. Its simple, plug-and-play design makes it compatible with all vehicles.



Figure 1: Liiyuan M1 Heads Up Display unit.

2. PRODUCT FEATURES

- **GPS Mode HUD:** Utilizes GPS for accurate speed display, projected onto the windshield for easy viewing.
- **Simple Display:** Designed to show only essential data like speed, minimizing driver distraction.
- **Main Functions:** Displays speed (MPH/KM/H adjustable), includes overspeed alarm, fatigue driving warning, and GPS compass for direction.
- **Automated Brightness:** Features advanced light-sensitive elements that automatically adjust display brightness based on ambient light conditions. Manual brightness adjustment is also available.
- **Plug and Play:** Easy installation via USB connection to the car.
- **Universal Compatibility:** Suitable for all vehicles.

M1 GPS SPEEDOMETER FUNCTION



Speed



Buzzer



Compass



Light sensor



Satellite icon



Speed unit



Speeding alarm



Fatigue driving alarm



Figure 2: Overview of M1 GPS Speedometer functions.

M1 HUD PROJECTION DISPLAY

M1 can clearly transmit data on the windshield, and the projection of the data can be clearly seen using a reflective film.



Figure 3: Detailed view of the M1 HUD projection display on a windshield.

3. WHAT'S IN THE BOX

The Liiyuan M1 package includes the following components:

- M1 HUD Unit
- USB Cable
- Reflective Film
- User Manual
- Anti-slip Mat

PRODUCT ACCESSORIES



Figure 4: All accessories included with the M1 HUD.

Your browser does not support the video tag.

Video 1: M1 unboxing video, showing the contents of the package and initial look at the device.

4. SETUP & INSTALLATION

The M1 HUD is designed for easy installation. Follow these steps to set up your device:

1. **Connect Power:** Use the provided USB cable to connect the M1 HUD to a USB port in your car. Ensure the working voltage is 5V.
2. **Placement:** Place the M1 HUD unit on your dashboard, ideally under the windshield, where the projection will be visible. Use the anti-slip mat to secure the device.
3. **Power On:** Start your car engine. The M1 HUD will automatically power on.
4. **Satellite Acquisition:** A small icon on the display will flash constantly while the device is acquiring satellite signals. The speed will be displayed once sufficient satellites are found.

5. **Apply Reflective Film (Optional but Recommended):** For optimal visibility, especially in bright daylight, apply the reflective film to the windshield where the HUD projects.

- Clean the glass in the projection area thoroughly.
- Paste the film vertically onto the glass.
- Remove any air bubbles using a soft cloth or card.
- Carefully peel off the protective film.

How to stick plastic film



Figure 5: Instructions for applying the reflective film.

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Video 2: Demonstration of M1 HUD installation and operation in a vehicle, showing both day and night visibility.

5. OPERATION

The M1 HUD provides real-time speed and direction information. Here's how to operate and adjust its settings:

5.1 Speed Display

Once the device acquires satellite signals, your current speed will be displayed. You can switch between MPH and KM/H units in the settings.

5.2 Alarms

- **Overspeed Alarm:** The device will emit a beeping sound if you exceed a preset speed limit.
- **Fatigue Driving Warning:** The device will alert you if you have been driving continuously for an extended period, reminding you to take a break.

5.3 Adjusting Speed Accuracy

If the speed displayed by the M1 HUD differs from your vehicle's speedometer, you can adjust the speed parameter. This adjustment compensates for discrepancies between the GPS speed and your car's instrument speed.

To adjust speed:

1. Press and hold the "M" button on the product for three seconds to enter the settings menu. The screen will display "1".
2. Press the "M" button again. The screen will display "107" (default parameter value).
3. Use the "+" or "-" buttons to adjust this parameter.
 - If your vehicle's instrument speed is *higher* than the HUD, increase the parameter value.
 - If your vehicle's instrument speed is *lower* than the HUD, decrease the parameter value.
4. Once adjusted, the setting will be saved automatically.



The principle of the speed adjustment method is as follows: when the vehicle's instrument speed is higher than HUD, the parameter value can be adjusted higher. When the instrument speed of the vehicle is lower than HUD, the parameter value can be adjusted lower.

For example, you said that your car odometer differs by 5 kilometers from your product. If your car odometer displays 100 kilometers per hour and the product displays 105 kilometers per hour, you can adjust the speed adjustment parameter value of the product from 107 to 102.

How to adjust speed:

Firstly, press and hold the "M" button on the product for three seconds to enter the settings, and then the screen displays "1".

Then, press the "M" button again, and the screen displays "107".

The "+" of the product can be adjusted upwards, and the "-" can be adjusted downwards. When the speed of the vehicle dashboard is lower than HUD, the parameter value of the product should be reduced.

Figure 6: Guide to adjusting speed accuracy on the M1 HUD.

6. TROUBLESHOOTING

If you encounter issues with your M1 HUD, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Slow Satellite Search / No Speed Display	<ul style="list-style-type: none"> ① Location (garages, overpasses, dense buildings) ② Interference from another GPS device in the car ③ Metal film on car windshield 	<ul style="list-style-type: none"> ① Drive to an open area for better signal acquisition. ② Ensure only one GPS device is active at a time. ③ Place the product outside the window for satellite search if metal film is present.
Display not turning on	No power supply or faulty USB connection.	Check USB cable connection. Ensure the car's USB port is supplying power. Try a different USB port or power source.

Problem	Possible Cause	Solution
Inaccurate Speed Reading	Calibration needed.	Follow the "Adjusting Speed Accuracy" instructions in Section 5.3.
Display too bright/dim	Automatic brightness adjustment not optimal for current conditions.	Manually adjust the brightness setting on the device.

7. SPECIFICATIONS

Attribute	Detail
Product Dimensions	3.38 x 0.63 x 1.46 inches
Item Weight	1.28 ounces (0.08 Pounds)
Model Number	M1 white
Material	Plastic
Manufacturer	Liiiyuan
First Available Date	January 12, 2024
Screen Size	3.38 Inches

PRODUCT PRESENTATION

- 1.USB interface
- 2.Set button
- 3.Increase button
- 4.Minus button
- 5.Power button



Figure 7: M1 HUD dimensions and button layout.

8. WARRANTY & SUPPORT

Liiyuan products undergo two inspections by the quality inspection department before leaving the factory. For any unresolved issues or questions regarding your M1 HUD within one year of purchase, please contact Liiyuan directly for after-sales service.

For further assistance, you may visit the official Liiyuan store on Amazon:[Liiyuan Store](#).