

Liiyuan M17

Liiyuan M17 HUD OBD2 and GPS Dual System Speedometer Instruction Manual

Model: M17

1. INTRODUCTION

The Liiyuan M17 Head Up Display (HUD) is a dual-system device supporting both OBD2 and GPS modes. It projects essential driving data onto your car's front windshield, such as speed, RPM, water temperature, and voltage. This design helps drivers maintain focus on the road, enhancing safety by eliminating the need to look down at the dashboard. The M17 offers various operating interface modes and customizable colors.

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Liiyuan M17 HUD.

2. COMPATIBILITY

The Liiyuan M17 HUD features a dual system for broad vehicle compatibility:

- **OBD2 System:** Suitable for vehicles manufactured after 2008.
- **GPS System:** Suitable for all vehicles.

Important Note: The OBD2 model is not compatible with hybrid electric cars, diesel cars, pickup trucks, saloon cars, or computer-modified cars. For these vehicle types, the GPS model is recommended.

SUITABLE FOR ALL CARS



Figure 2.1: The Liiyuan M17 HUD is compatible with a wide range of vehicles, utilizing either OBD2 or GPS systems based on vehicle type.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- M17 Head Up Display Unit
- OBD Cable
- Reflective Film
- USB Cable
- Instruction Manual
- Non-slip Mat

PRODUCT ACCESSORIES

M17 head up display

OBD cable

Reflective film

USB cable

Manual

Non-slip mat



Figure 3.1: All components included in the Liiyuan M17 HUD package.

4. SETUP INSTRUCTIONS

The Liiyuan M17 HUD is designed for easy plug-and-play installation.

4.1. Connecting the Device

1. Place the non-slip mat on your dashboard in a position that allows for clear projection onto the windshield and does not obstruct your view.
2. Place the M17 HUD unit on the non-slip mat.
3. Connect the appropriate cable (OBD cable for OBD2 mode or USB cable for GPS mode) to the HUD unit and then to your car's OBD port or a USB power source.
4. Start your car's engine to power on the HUD.

4.2. Applying the Reflective Film (Optional)

For optimal display clarity, especially in bright conditions, applying the included reflective film is recommended.

1. Clean the projection area on your windshield thoroughly to remove any dust or smudges.
2. Peel off the protective layer labeled '1' from the reflective film.
3. Carefully paste the film onto the cleaned glass vertically, ensuring it is positioned where the HUD will project.
4. Use a soft cloth or card to gently smooth out any air bubbles from the center outwards.
5. Once the film is applied smoothly, remove the second protective layer labeled '2'.

Figure 4.1: Visual guide for applying the reflective film to the windshield.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the correct method to apply the reflective film onto the car windshield for optimal HUD display.

5. OPERATION

5.1. Initial Power-On and Data Acquisition

Once connected and powered on, the HUD will begin collecting data. If using GPS mode, a small icon on the product may flash constantly, indicating that the device is searching for satellites. Speed and other GPS-related data will be displayed once a satellite connection is established.

HEAD UP DISPLAY

OBD+GPS Dual System



Figure 5.1: The Liivuan M17 HUD displaying driving data on the windshield.

5.2. Displayed Information

The M17 HUD can display a variety of driving data, depending on whether it's operating in OBD2 or GPS mode. Common data points include:

- Speed
- Engine RPM
- Water Temperature
- Voltage
- Fuel Consumption (OBD2 only)
- Single Trip Mileage
- Single Trip Time
- 100km Acceleration Time (OBD2 only)
- Altitude (GPS only)

- Direction of Travel
- Clear Fault Codes (OBD2 only)

PRODUCT FEATURES



Speed	RPM	Voltage	Fuel consumption	Water temperature
Travel time	Travel distance	Driving direction	°F and °C	Clock

Figure 5.2: Icons representing the various data points displayed by the HUD.

5.3. Alarm Functions

The M17 HUD includes multiple alarm settings to enhance driving safety:

- Overspeed Alarm
- Engine RPM Alarm
- Voltage Alarm
- Water Temperature Alarm
- Fatigue Driving Reminder

Refer to the device's on-screen menu or specific button functions (not detailed in provided data) to set and adjust these alarms.

MULTI ALARMS

Set different parameters, improve driving safety



Figure 5.3: Overview of the multi-alarm features.

5.4. Humanized Settings

The device incorporates features for improved user experience:

- Accurate Speed Display
- Automatic Brightness Adjustment: The display brightness adjusts automatically to ambient light conditions, ensuring visibility during both day and night.
- Automatic Switch On and Off: The unit powers on and off with the car's ignition.

Multiple humanized settings

- 1 Display accurate speed ----- 
- 2 Automatic brightness adjustment ----- 
- 3 Automatic switch on and off ----- 

During the day 



In the dark night 



Figure 5.4: Automatic brightness adjustment for day and night driving.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Liiyuan M17 HUD, follow these simple maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Ensure the reflective film on your windshield is free from dust and smudges for clear projection. Clean it gently with a suitable glass cleaner if necessary.
- Periodically check the cable connections to ensure they are secure.

7. TROUBLESHOOTING

If you encounter issues with your Liiyuan M17 HUD, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display or device not powering on.	Loose cable connection, car engine not started, incompatible vehicle (for OBD2).	Ensure the cable is securely connected. Start the car engine. Verify vehicle compatibility for OBD2 mode; switch to GPS mode if necessary.
GPS icon flashing, no speed displayed.	Device is searching for satellites.	This is normal during initial startup or if the signal is weak. Wait for the device to acquire a satellite signal. Ensure the device has a clear view of the sky.
Inaccurate speed reading.	Calibration required.	Refer to the device's settings menu to calibrate the speed. This may involve adjusting a speed offset value.
Display randomly shuts down or reboots.	Unstable power supply, loose OBD2 connection, internal fault.	Check the power connection. Ensure the OBD2 plug is firmly seated. If the issue persists, contact customer support.
Some data not illuminating or displaying correctly.	Internal display issue, data not available from vehicle (OBD2).	Verify if the data point is supported by your vehicle's OBD2 system. If it's a display segment issue, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	M17
Screen Size	3.5 inches
Product Dimensions (L x W x H)	90 x 55 x 30 mm (approx. 3.5 x 2.2 x 1.2 inches)
Item Weight	59 g (approx. 2.08 oz)
Material	Glass
Operating Voltage	11V-18V
Connectivity	OBD2 System, GPS System
Manufacturer	Liiyuan

Product model: M17

Screen size: 3.5inch

Product size: 90x55x30mm

Voltage: 11v-18v

OBD line: OBD system/GPS system

USB cable: GPS system

OBD system: suitable for most vehicles after 2008

GPS system: suitable for all vehicles



Figure 8.1: Key specifications of the Liiyuan M17 HUD.

9. WARRANTY AND SUPPORT

All Liiyuan products, including the M17 HUD, have passed CE/FCC/ROHS certification, ensuring product quality and safety standards.

If you encounter any difficulties during the use of your Liiyuan M17 HUD or require technical assistance, please consult us directly by e-mail. We are committed to providing comprehensive after-sales service.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question