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› Liiyuan P2-New OBD2 Head-up Display User Manual

Liiyuan P2-New

Liiyuan P2-New OBD2 Head-up Display User Manual

Model: P2-New

Brand: Liiyuan

1. INTRODUCTION

The Liiyuan P2-New OBD2 Head-up Display (HUD) is a multi-functional device designed to enhance your driving experience by projecting essential vehicle data directly into your line of sight. This device combines OBD and GPS dual systems, offering comprehensive data display, diagnostic capabilities, and an integrated slope meter. It is compatible with a wide range of vehicles supporting standard OBD-II protocols.



Image 1: The Liiyuan P2-New OBD2 Head-up Display unit, showcasing its main screen with speed and RPM readings.

2. KEY FEATURES

- **OBD+GPS Dual System:** Provides enhanced compatibility and accurate data acquisition from both vehicle's OBD-II port and GPS satellites.
- **Multi-function Display:** Capable of displaying a wide array of driving data including speed, RPM, voltage, water temperature, oil level, clock, driving time, driving distance, number of satellites, outside temperature, driving direction, latitude, longitude, altitude, and average fuel consumption.
- **Integrated Slope Meter:** Features built-in 6-axis MEMS sensors to provide real-time vehicle body posture information, including pitch and roll angles, useful for off-road driving.
- **Alarm Functions:** Includes configurable alarms for speeding, high RPM, high water temperature, abnormal voltage, turbine pressure, exhaust temperature, oil temperature, oil pressure, and fuel pressure, with visual (red flashing light) and/or audible alerts.
- **Customizable Interfaces:** Offers 12 distinct display styles to personalize the information layout.

- **Ambient Lighting:** Multi-ambient light display that can change with alarm conditions, improving visual alerts.
- **High Definition LCD Display:** Ensures clear and bright visuals for easy readability.
- **Multiple Installation Methods:** Equipped with a split bracket that supports 360° rotation, allowing for flexible adjustment of visual angle and height for dashboard or windshield placement.



Image 2: The Liiyuan P2-New Head-up Display showing multiple data points like RPM, speed, and temperature, highlighting its multifunctional capabilities.

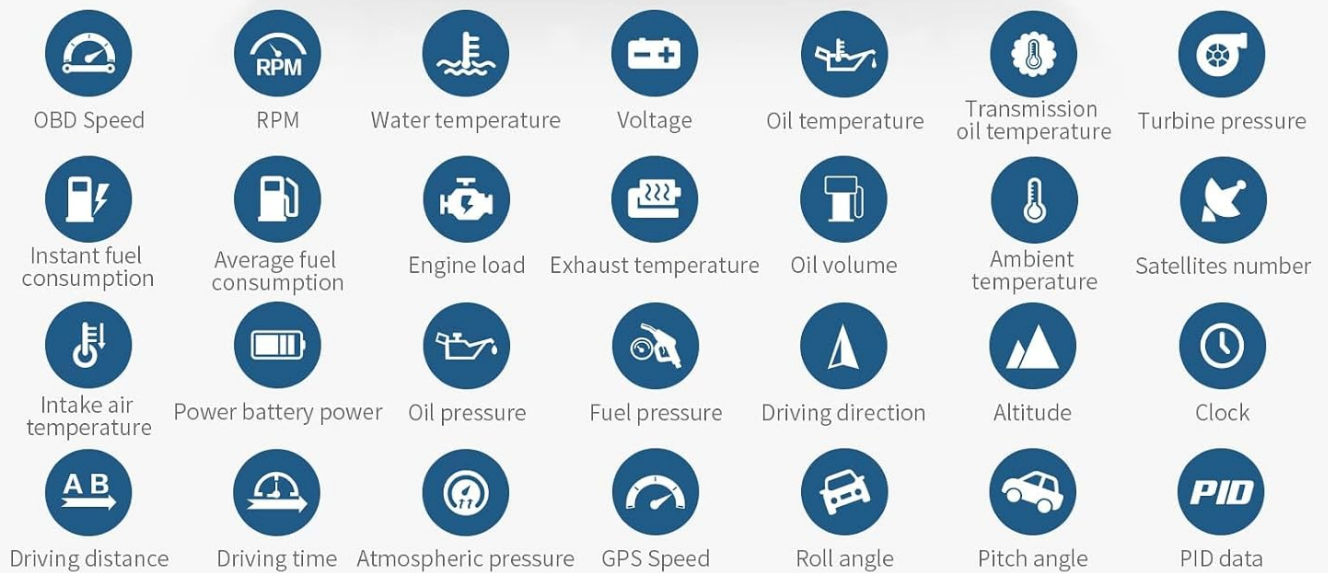


Image 3: A visual representation of all the data points the Liiyuan P2-New HUD can display, including speed, RPM, voltage, and various temperatures.

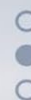
12 style interfaces



Image 4: A collage showing 12 distinct display interfaces available on the Liiyuan P2-New HUD, allowing users to customize their view.

Cool strobe atmosphere lamp

Safer and more considerate



Blue theme atmosphere lamp

Turn off the atmosphere light

Red theme atmosphere lamp



Pink theme

Ice theme

Green theme

Cyan theme

Yellow theme



① RPM atmosphere lamp, which changes with RPM alarm (Default)

② Speed atmosphere lamp, which changes with Speed alarm (Select in the setting item)

Image 5: The built-in slope gauge feature of the Liiyuan P2-New HUD, illustrating how it displays uphill, downhill, left tilt, and right tilt angles.

Atmosphere lamp alarm reminder

Atmosphere light alarm design, over-speed or other driving abnormalities, red flashing warning light will be displayed, improve driving safety!



Image 6: The Liiyuan P2-New HUD displaying a red flashing alarm light, indicating an over-speed or other driving abnormality, enhancing safety.

3. PACKAGE CONTENTS

Please verify that all the following items are present in your package:

- P2 unit (Main Head-up Display device)
- USB cable
- Non-slip mat
- OBD cable
- Manual (this document)



Product weight: 92g, Packing box size: 15 * 6 * 9 cm, Weight: 280g



【P2 Body unit】



【USB cable】



【Non-slip mat】



【OBD cable】



【Manual】

Image 7: An illustration of the Liiiyuan P2-New HUD package contents, including the main unit, USB cable, non-slip mat, OBD cable, and manual.

4. SETUP INSTRUCTIONS

4.1. Installation Location

The Liiiyuan P2-New HUD can be placed on the dashboard or mounted on the windshield. Select a location that provides a clear view of the display without obstructing your view of the road or interfering with vehicle controls.

Multiple installation methods

Split bracket that supports 360° rotation to adjust the visual angle and height



Image 8: This image demonstrates the flexible installation options for the Liiyuan P2-New HUD, showing it placed on the dashboard and mounted on the windshield, along with its 360-degree rotatable bracket.

4.2. Connecting the Device

1. Locate your vehicle's OBD-II port. This port is typically found under the dashboard on the driver's side.
2. Connect one end of the provided OBD cable to the vehicle's OBD-II port.
3. Connect the other end of the OBD cable to the OBD interface on the Liiyuan P2-New HUD unit.
4. If placing on the dashboard, use the non-slip mat to secure the device. If mounting, attach the unit to the windshield using the adjustable bracket.
5. Adjust the viewing angle and height using the 360° rotatable bracket to ensure optimal visibility and comfort.

4.3. Initial Power-On

Once properly connected, the device should power on automatically when the vehicle's ignition is turned on. The display will show a brief boot-up sequence before presenting real-time driving data.

5. OPERATING INSTRUCTIONS

5.1. Display Modes and Data

The P2-New HUD supports various display modes and can show a wide range of data points. Use the control wheel/button on the device to navigate through different interfaces and settings. The available data points include:

- **Speed:** Current vehicle speed.
- **RPM:** Engine revolutions per minute.
- **Voltage:** Vehicle battery voltage.
- **Water Temperature:** Engine coolant temperature.
- **Oil Level:** Engine oil level.
- **Clock:** Current time.
- **Driving Time:** Duration of the current trip.
- **Driving Distance:** Distance covered in the current trip.
- **Satellites:** Number of GPS satellites detected.
- **Outside Temperature:** Ambient air temperature.
- **Driving Direction:** Compass direction.
- **Latitude/Longitude/Altitude:** GPS coordinates and elevation.
- **Average Fuel Consumption:** Real-time fuel efficiency.
- **Slope Meter:** Displays pitch and roll angles of the vehicle.

5.2. Alarm Settings

The device features multiple alarm functions to enhance driving safety. These alarms can be configured through the device's settings menu:

- **Over-speed Alarm:** Alerts when a preset speed limit is exceeded.
- **RPM Alarm:** Alerts when engine RPM exceeds a preset limit.
- **Water Temperature Alarm:** Alerts if engine coolant temperature becomes too high.
- **Voltage Alarm:** Alerts for abnormal battery voltage.
- Additional alarms include Turbine Pressure, Exhaust Temperature, Oil Temperature, Oil Pressure, and Fuel Pressure.

When an alarm condition is met, the display will show a red flashing light and/or an audible alert (if enabled in settings).

5.3. Interface Customization

The Liiiyuan P2-New HUD offers 12 different display interfaces. You can switch between these interfaces using the control wheel/button to find the layout that best suits your preferences and driving needs.

Refer to the device's on-screen menu for detailed instructions on navigating and customizing settings.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the display screen and the device body. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the unit.
- **Cable Inspection:** Periodically inspect the OBD and USB cables for any signs of wear, fraying, or damage. Replace damaged cables immediately to ensure safe and reliable operation.
- **Software Updates:** Check the manufacturer's official website periodically for any available firmware updates. Keeping the device's software up-to-date can ensure optimal performance, compatibility, and access to new features.

7. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Device does not power on.	- Loose OBD connection. - Vehicle's OBD-II port not supplying power. - Device malfunction.	- Ensure the OBD cable is securely connected to both the device and the vehicle's OBD-II port. - Check your vehicle's fuse for the OBD-II port. Consult your vehicle's manual. - If the issue persists after checking connections and fuses, contact customer support.
No data displayed or incorrect readings.	- Incompatible vehicle protocol. - Loose OBD connection. - GPS signal obstruction (for GPS data). - Vehicle model too old (pre-2008).	- Ensure your vehicle supports standard OBD-II protocols (most vehicles manufactured after 1996 in the US). - Verify the OBD cable connection is firm. - For GPS data, move the vehicle to an open area with a clear view of the sky. - Some older vehicles may not support all data PIDs (Parameter IDs).
Display is blurry or unclear.	- Protective film still on screen. - Screen smudges or dirt. - Device defect.	- Remove any protective film from the screen. - Clean the screen with a soft, dry, lint-free cloth. - If the issue persists, contact customer support.
Alarms are not functioning.	Alarm settings are disabled or incorrectly configured.	Access the device's settings menu and ensure desired alarms are enabled and thresholds are set correctly.

8. SPECIFICATIONS

- Model:** P2-New
- Brand:** Liiiyuan
- Material:** Plastic
- Connectivity:** OBD2, GPS
- Display Type:** HD LCD
- Sensors:** Built-in 6-axis MEMS (for slope gauge)
- Approximate Dimensions (L x W x H):** 120mm x 83mm x 55mm (4.72 x 3.27 x 2.16 inches)
- Item Weight:** 0.2 Grams
- Package Dimensions:** 6.14 x 3.74 x 2.64 inches
- Date First Available:** September 9, 2023

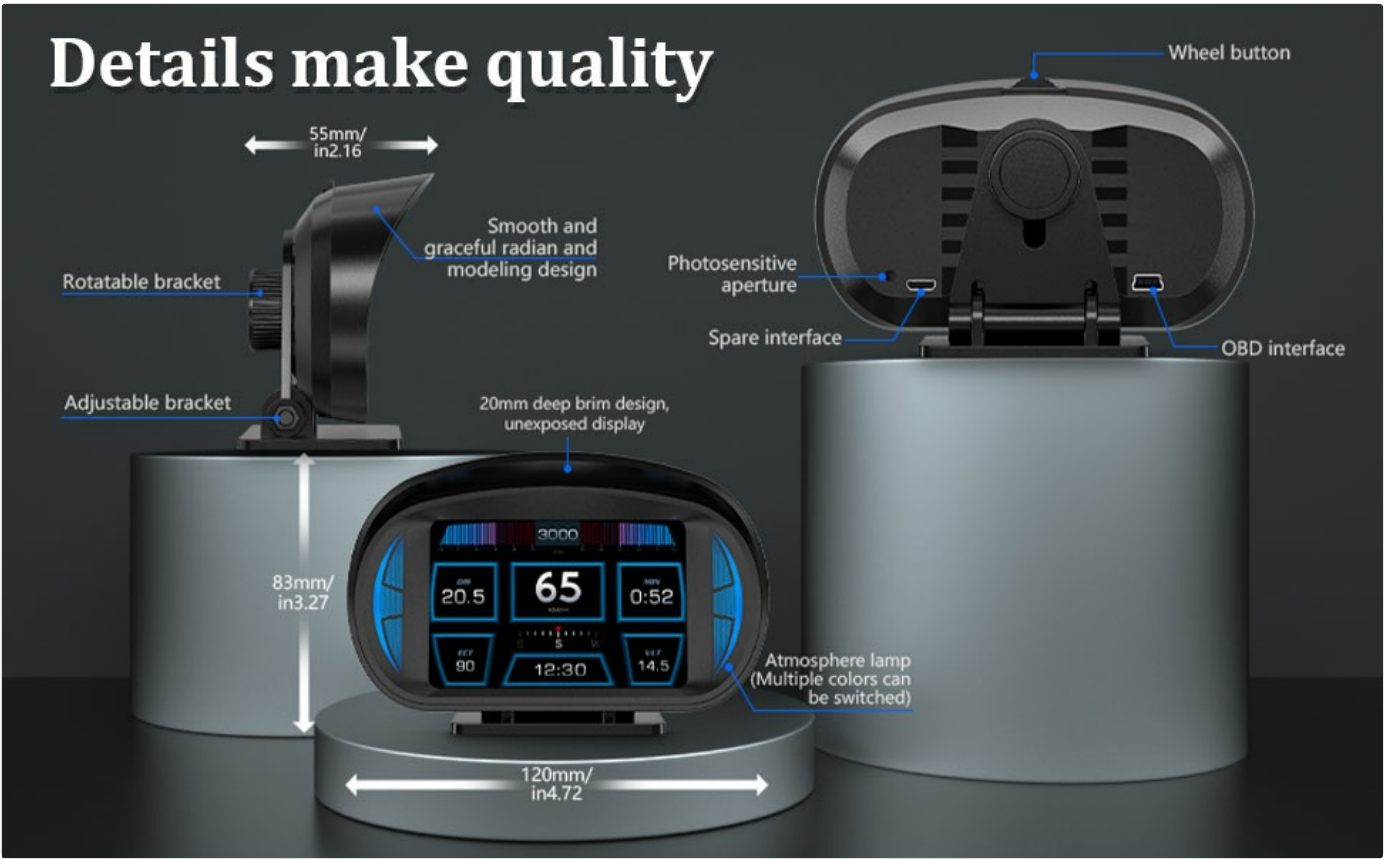


Image 9: Detailed view of the Liiyuan P2-New HUD, highlighting its dimensions, control wheel, photosensitive aperture, and OBD interface.

9. WARRANTY AND SUPPORT

For specific warranty information, technical assistance, or customer support, please refer to the documentation included with your purchase or visit the official Liiyuan website. It is recommended to retain your proof of purchase for any warranty claims.

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