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› AZIJYV P4 OBD2 Gauge Display User Manual

AZIJYV P4

AZIJYV P4 OBD2 Gauge Display User Manual

Heads Up Display for Cars with GPS Speedometer and Multifunction Display

1. PRODUCT OVERVIEW

The AZIJYV P4 OBD2 Gauge Display is a newly upgraded car OBD LCD instrument panel designed to enhance your driving experience with comprehensive data display and safety features. It integrates OBD, GPS, turbo meter, inclinometer, and accelerometer functions, along with customizable ambient lighting.



Figure 1.1: Front view of the AZIJYV P4 OBD2 Gauge Display.

New design | P4

Car OBD LCD instrument

OBD+GPS+Turbine meter+Slope meter+Accelerometer+
Colorful atmosphere light



Figure 1.2: The P4 display installed on a car dashboard, showcasing its vibrant interface and ambient lighting.

Key Features:

- **Multifunctional Display:** Combines OBD, GPS, turbo meter, inclinometer, and accelerometer data.
- **Dual System Support:** Operates in OBD mode for gasoline vehicles manufactured after 2009, and GPS mode for diesel or pre-2009 models.
- **Large Screen:** Features a 6.2-inch high-definition LCD screen with an 18:9 aspect ratio for clear visibility.
- **Customizable Interface:** Multiple interface themes and ambient light colors can be switched to personalize your display.
- **Comprehensive Data:** Displays vehicle speed, voltage, water temperature, RPM, fuel consumption, driving time, mileage, and more.
- **Advanced Alarm Functions:** Includes overspeed, RPM, water temperature, voltage, and fatigue driving reminders with pop-up window alerts.
- **Special Vehicle Compatibility:** Offers additional functions like oil temperature and transmission oil temperature for specific car models (e.g., BYD, Mercedes Benz, BMW, Volkswagen, Changan, Toyota, Honda).

- **Personalized Logo Display:** Supports setting a custom vehicle logo.

2. PACKAGE CONTENTS

Before proceeding with installation, please verify that all items listed below are present in your package:

- P4 Host Unit
- Display Bracket
- OBD Cable
- USB Cable
- Non-slip Mat
- User Manual (this document)

Product accessories



【P4 host + bracket】



【OBD cable】



【USB cable】



【Non-slip mat】



【Manual】

Figure 2.1: Illustration of the complete package contents.

3. SETUP AND INSTALLATION

The AZIJYV P4 offers flexible installation options to suit various vehicle dashboards.

3.1 Choosing an Installation Method

The device comes with a split bracket that allows for 360-degree rotation, enabling adjustment of the viewing angle and height for optimal visibility.



Figure 3.1: Various installation positions and bracket adjustments.

3.2 Connecting the Device

The P4 supports both OBD and GPS power supply methods. Choose the appropriate connection based on your vehicle's compatibility.

1. OBD Connection (Recommended for compatible vehicles):

Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side. Connect the provided OBD cable to the P4 host unit and then to the vehicle's OBD-II port. The device will draw power and data directly from the vehicle's system.

2. USB Connection (For GPS mode or incompatible OBD systems):

If your vehicle is a diesel, manufactured before 2009, or if the OBD system is not compatible, use the provided USB cable. Connect one end to the P4 host unit and the other end to a USB power source in your vehicle (e.g., a USB car charger or a vehicle's USB port). This will power the device for GPS mode operation.



Figure 3.2: Example of USB power connection using a cigarette lighter adapter.

Once connected, place the P4 display on your dashboard using the non-slip mat and adjust the bracket for optimal viewing.

4. OPERATING INSTRUCTIONS

The P4 display features intuitive controls and a customizable interface.

4.1 Power On/Off and Initial Boot

The device will automatically power on when the vehicle's ignition is turned on (if connected via OBD) or when USB power is supplied. It will power off automatically when the vehicle is turned off or USB power is removed.

4.2 Interface Navigation and Customization

The P4 offers multiple interface themes and customizable settings. Use the sensitive touch buttons on the device to navigate through menus and adjust settings.

New interface display design

Multiple interface themes and custom functions can be switched at will



Interface 1



Interface 2



Interface 3



Interface 4



Slope meter + Altitude meter + Compass



Turbine meter+Accelerometer



Full function display



PID Data



Acceleration



Brake test

Figure 4.1: Examples of different interface themes and data displays.

- **Switching Interfaces:** Refer to the on-screen prompts or the detailed manual for specific button presses to cycle through available display interfaces.
- **Ambient Light:** The colorful ambient light can be customized. Consult the settings menu to change colors or turn the feature on/off.
- **Vehicle Logo:** You can set a custom vehicle logo to display on the screen. This feature supports many mainstream car models.
- **Language Settings:** The device supports multiple languages. Navigate to the system settings to change the display language.

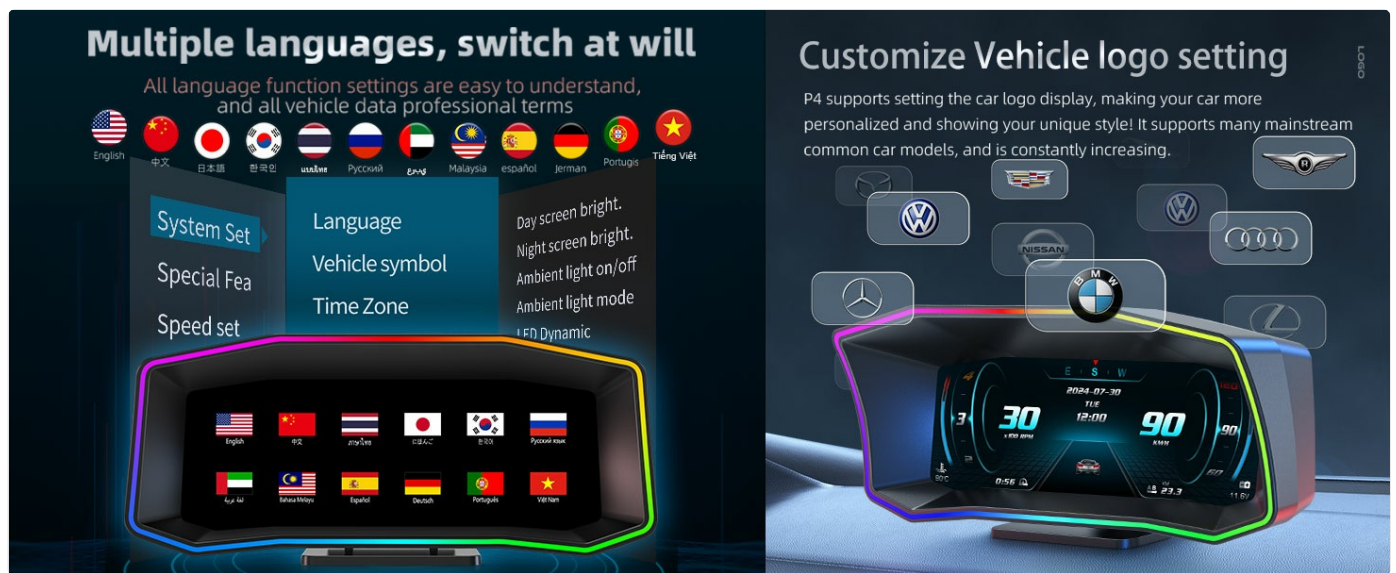


Figure 4.2: Language selection and vehicle logo customization options.

4.3 Understanding Displayed Data

The P4 can display a wide range of vehicle data depending on the selected mode (OBD or GPS) and vehicle compatibility.



Figure 4.3: Overview of all available data points, including OBD speed, RPM, water temperature, voltage, oil temperature, turbo pressure, fuel consumption, and more.

- **OBD Mode Data:** Accesses data directly from your vehicle's ECU, including RPM, water temperature, voltage, fuel consumption, and specific vehicle parameters like oil temperature and transmission oil temperature for compatible models.
- **GPS Mode Data:** Primarily displays speed, altitude, driving time, mileage, and compass information using satellite positioning.
- **Inclinometer/Slope Meter:** Provides real-time pitch and roll angles of your vehicle, useful for off-road driving.
- **Accelerometer:** Displays G-values for acceleration and deceleration, offering insights into driving performance.

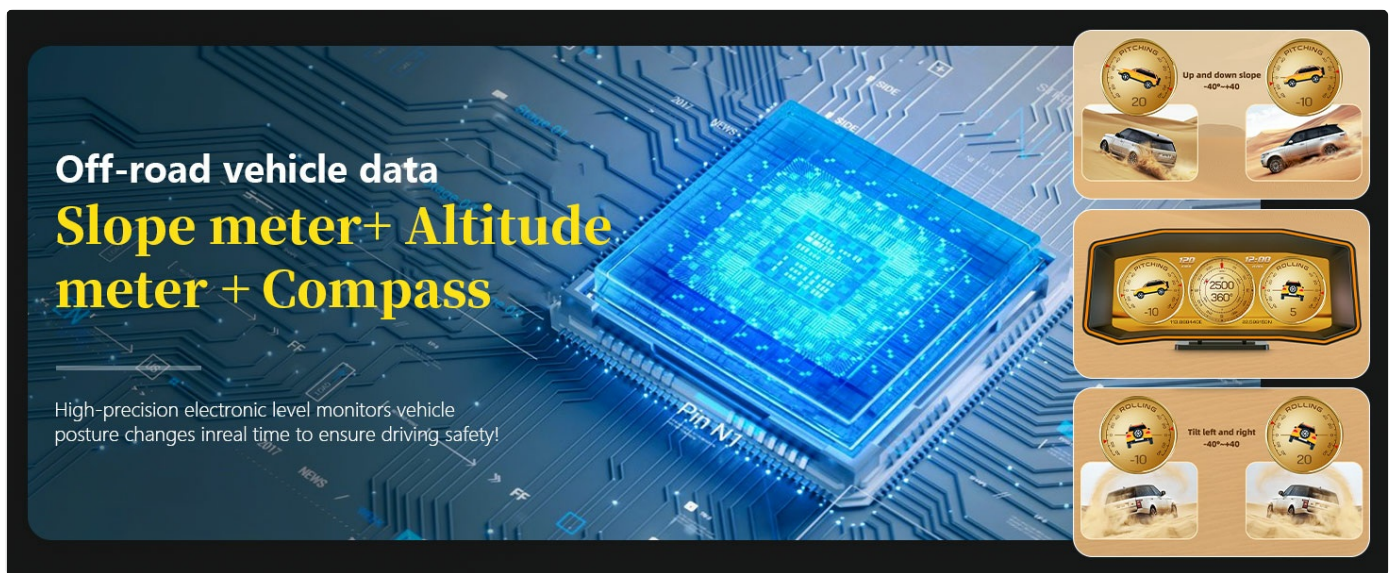


Figure 4.4: Off-road vehicle data display, including slope, altitude, and compass.



Figure 4.5: Vehicle accelerometer displaying G-values for acceleration and deceleration.

4.4 Alarm Functions

The P4 is equipped with various alarm functions to enhance driving safety. When an alarm condition is met, a pop-up window will appear on the display, accompanied by an audible prompt.

Pop-up window alarm

The pop-up window alarm design will directly pop up the alarm symbol when an abnormality occurs. And related parameters accompanied by prompt sounds to improve driving safety Overspeed alarm



Figure 4.6: Example of an overspeed alarm pop-up and a list of supported alarm types.

- **Overspeed Alarm:** Alerts you when your vehicle exceeds a preset speed limit.
- **RPM Alarm:** Notifies you if engine RPM goes beyond a safe threshold.
- **Water Temperature Alarm:** Warns of engine overheating.
- **Voltage Alarm:** Indicates abnormal vehicle battery voltage.
- **Fatigue Driving Reminder:** Prompts you to take a break after continuous driving for a set duration (e.g., 4 hours).
- Additional alarms include oil pressure, oil temperature, exhaust temperature, turbo pressure, and tilt alarms.

Fatigue driving reminder

When you drive continuously for 4 hours, the head up display will remind you to rest.



Figure 4.7: Fatigue driving reminder in action.

Overspeed alarm function

When you exceed the speed limit while driving, the head up display will directly display the overspeed alarm and related parameters.



Figure 4.8: Overspeed alarm function in a driving scenario.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your AZIJYV P4 display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display screen and exterior. Avoid abrasive cleaners, solvents, or spray directly onto the device.
- **Temperature:** Do not expose the device to extreme temperatures (hot or cold) for extended periods, as this may affect its performance and lifespan.
- **Storage:** If storing the device for a long time, disconnect it from power and keep it in a cool, dry place.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your AZIJYV P4 display.

6.1 No Display/No Power

- **Check Connection:** Ensure the OBD cable or USB cable is securely connected to both the device and the vehicle's

port/power source.

- **Vehicle Ignition:** If using OBD mode, ensure the vehicle's ignition is on.
- **USB Power Source:** If using USB, try a different USB port or car charger to rule out a faulty power source.

6.2 Inaccurate Speed/Data

- **GPS Signal:** In GPS mode, ensure the device has a clear view of the sky for satellite acquisition. Parking in an open area can help.
- **OBD Compatibility:** If in OBD mode, verify your vehicle is compatible (gasoline vehicle manufactured after 2009). If not, switch to GPS mode.
- **Unit Settings:** Check if the speed unit (KM/H or MPH) is correctly set in the device's settings.
- **Calibration:** Some parameters might require calibration. Refer to the detailed manual for specific calibration procedures if available.

6.3 Alarms Triggering Incorrectly

- **Alarm Thresholds:** Review and adjust the alarm thresholds (e.g., overspeed limit, RPM limit) in the device settings.
- **Sensor Readings:** If an alarm (e.g., water temperature, voltage) seems to trigger without a real issue, consult a professional mechanic to check your vehicle's sensors.

6.4 Display Not Clear/Too Bright/Too Dim

- **Brightness Settings:** Adjust the display brightness in the device's settings. The device has a photosensitive hole for automatic brightness adjustment; ensure it is not obstructed.
- **Screen Cleanliness:** Clean the screen with a soft, dry cloth to remove dust or smudges.

7. PRODUCT SPECIFICATIONS

Feature	Specification
Model	P4
Screen Size	8 Inches (6.2-inch high-definition LCD screen, 18:9 aspect ratio)
Product Dimensions (L x W x H)	7.7 x 2.5 x 3.5 inches (196mm x 65mm x 90mm)
Item Weight	2.12 ounces (60 Grams)
Material	Acrylonitrile Butadiene Styrene (ABS)
Connectivity	OBD-II, USB Type-C
System Modes	OBD, GPS
Special Features	Turbo Meter, Slope Meter, Accelerometer, Colorful Ambient Light, Overspeed Alarm, Fatigue Driving Reminder



Figure 7.1: Physical dimensions and interface details of the P4 display.

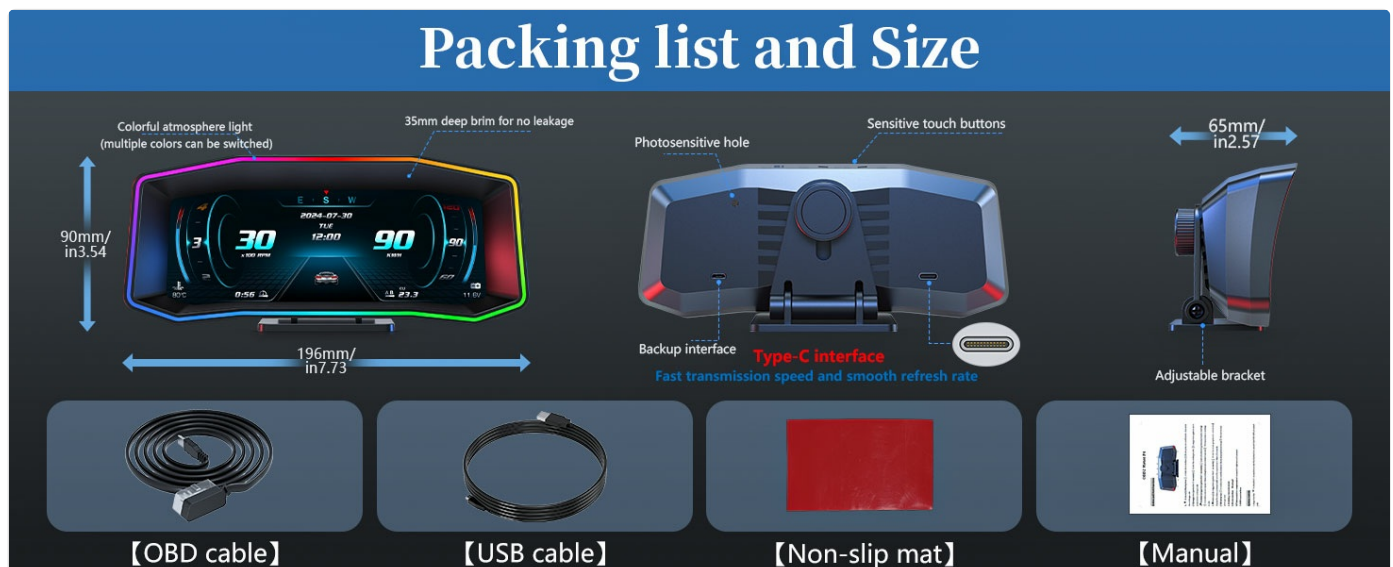


Figure 7.2: Visual representation of the packing list and product dimensions.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided by AZIJYV at the point of purchase or visit the official AZIJYV store on Amazon:

[Visit the AZIJYV Store on Amazon](#)

Please retain your proof of purchase for warranty claims.

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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