AZIJYV B3

AZIJYV B3 OBD2 Gauge Display User Manual

Model: B3

1. INTRODUCTION

The AZIJYV B3 OBD2 Gauge Display is a sophisticated head-up display designed to provide essential vehicle data directly on its screen, enhancing driving safety and convenience. This device connects to your car's On-Board Diagnostics (OBD2) system to display real-time information such as speed, engine RPM, water temperature, voltage, and more. Its compact design and automatic light sensitivity ensure clear visibility in various driving conditions.

2. SAFETY INFORMATION

Your safety is paramount. The B3 OBD2 Gauge Display includes several features designed to assist in safe driving:

- **Overspeed Alarm:** Alerts you when your vehicle exceeds a preset speed limit.
- **Fatigue Driving Reminder:** Prompts you to take a break after extended driving periods (e.g., over 4 hours).
- **Water Temperature Alarm:** Warns of high engine water temperature.
- **Voltage Alarm:** Notifies you of abnormal vehicle voltage levels.

Important Compatibility Note:
This product is primarily suitable for most vehicle models manufactured after 2009 that are equipped with an OBD2 system. However, it is **not compatible** with the OBD2 systems of certain brands, including: Suzuki, Chevrolet, Subaru, Renault, Peugeot, Citroen, Fiat, DS, Lamborghini, Jeep, SIMCA, Maserati, Dodge, Jazz, CRV, and Hummer. If you are unsure about your car's compatibility, please consult with the seller before purchase.

3. PRODUCT OVERVIEW

The B3 OBD2 Gauge Display features a 5.5-inch screen with a gradient color structure, providing clear and technical readouts. Its design incorporates a graceful curved exterior with exquisite polishing and a 30mm deep brim to prevent light leakage. A single dial button allows for easy operation.

Figure 3.1: Front view of the AZIJYV B3 OBD2 Gauge Display.

B3 display function

RPM progress bar

Fuel consumption progress bar

Decorative mood lights

Decorative mood lights

Water temperature unit: °C/F
Speed units: MPH-miles, KM/H-km

Water temperature icon

Clock, RPM,
MIN-travel time
TRIP-driving distance,
FUE-fuel consumption, V-voltage

Speed

Clock

RPM

Water temperature

Driving time

Driving distance

Fuel consumption

Voltage

Figure 3.2: Diagram illustrating the B3's display functions, including RPM, water temperature, speed, and fuel consumption.

Figure 3.3: Overview of the multiple alarm functions available on the B3 display.

Multiple interfaces & switch at will

128 KM/H — 12:00
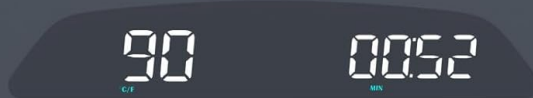Speed + RPM + Water Temperature + Fuel Consumption + Time + Ambient Lights

106 KM/H — 2500 RPM
Speed + RPM + Ambient Light

130 KM/H — 18.0 TRIP
Speed + RPM + Water temperature + Fuel consumption + Driving distance

90 C/F — 00:52 MIN
Water temperature + Driving time

58 KM/H
Speed + RPM + Water temperature + Fuel consumption + Ambient lights
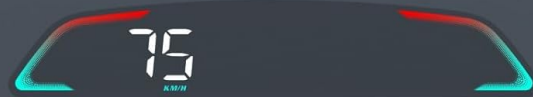
75 KM/H
Speed + Ambient lights

60 KM/H
Speed + RPM + Water temperature + Fuel consumption
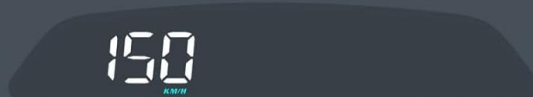
150 KM/H
Simple speed

Figure 3.4: Examples of various display interfaces and data combinations available on the B3.
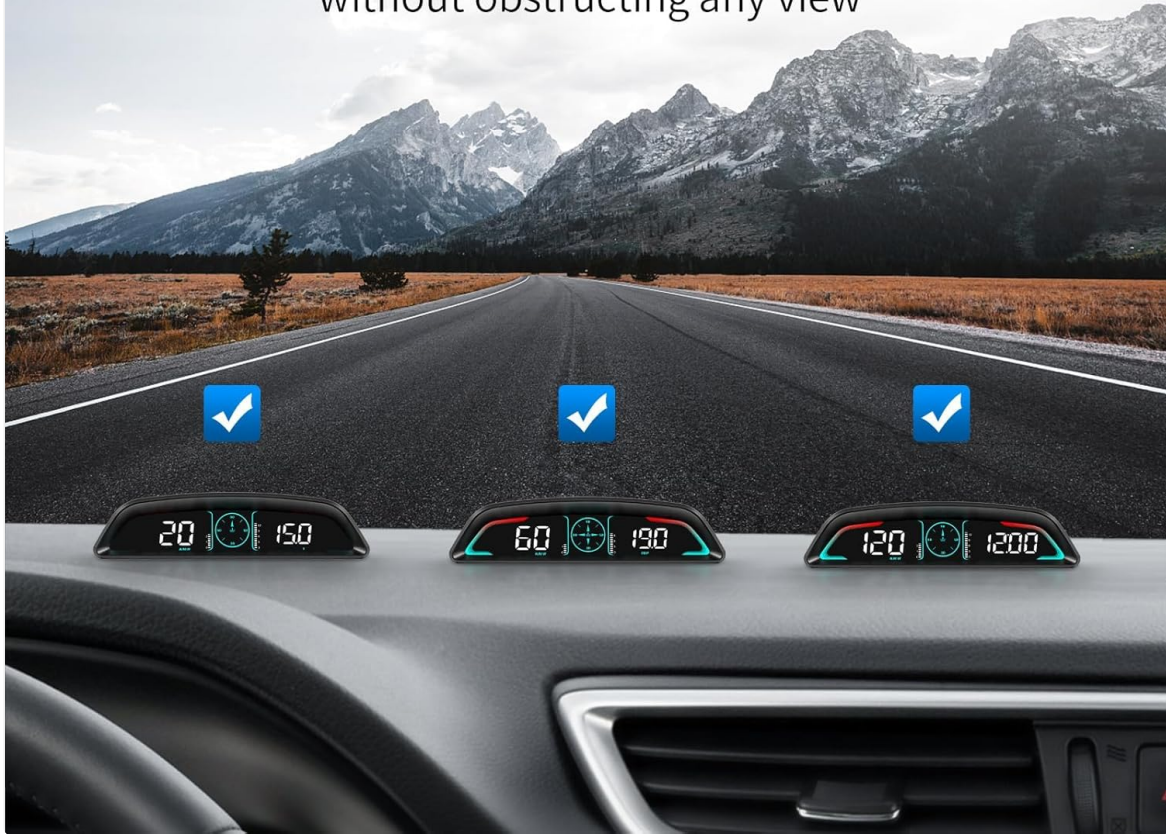
Figure 3.5: The compact size of the B3 allows for unobtrusive placement on the dashboard.

Figure 3.6: Detailed dimensions and design features of the B3 unit.

4. SETUP

The B3 OBD2 Gauge Display offers non-destructive, plug-and-play installation. It automatically turns on and off with your car's ignition.

4.1. Package Contents

Before installation, ensure all components are present:

Figure 4.1: Included accessories: B3-HUD unit, OBD cable, non-slip mat, and instructions.

- B3 OBD2 Gauge Display Unit
- OBD Cable
- Non-slip Mat
- Instruction Manual

4.2. Installation Steps

1. **Locate OBD Socket:** Identify your vehicle's OBD2 diagnostic port, typically located under the dashboard on the driver's side.

2. **Connect OBD Cable:** Insert one end of the provided OBD cable into the vehicle's OBD socket.

3. **Route Cable:** Carefully route the OBD cable along the A-pillar sealing strip or other discreet paths to the desired placement area for the HUD unit.

4. **Connect to HUD:** Connect the other end of the OBD cable to the HUD unit.

5. **Position HUD:** Place the HUD unit on your dashboard using the non-slip mat to secure it in a position that allows for convenient viewing without obstructing your driving view.

Figure 4.2: The OBD cable connects the display to your vehicle's OBD2 port.

5. OPERATING INSTRUCTIONS

The B3 display is designed for ease of use with a single dial button for navigation and settings.

5.1. Basic Functions

The display provides a wide range of real-time vehicle data:

- Vehicle Speed (MPH/KM/H)
- Engine RPM (Revolutions Per Minute)
- Water Temperature
- Fuel Consumption
- Single Travel Time
- Single Travel Distance
- Voltage
- Clock

5.2. Button Operation

The dial button on the unit controls various functions:

- **Long Press Vertically (2 seconds):** Enters the settings menu.
- **Short Press Vertically:** Switches between different display modes.
- **Left Click:** Switches between speed and water temperature display.
- **Right Click:** Cycles through time, speed, voltage, driving distance, and driving time displays.
- **Turn Left (2 seconds, hear beep):** Turns off the buzzer (alarm sound).
- **Turn Left Again (2 seconds, hear beep):** Turns on the buzzer.

5.3. Automatic Light Sensitivity

The B3 features a built-in photosensitive element that automatically adjusts screen brightness based on ambient light conditions. This ensures optimal visibility during both daytime and nighttime driving. If desired, you can manually adjust the brightness to your preference.

Figure 5.1: The display automatically adjusts brightness for clear visibility in both bright and dark environments.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AZIJYV B3 OBD2 Gauge Display, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the display screen and exterior. Avoid abrasive cleaners or solvents that could damage the surface.
- **Placement:** Ensure the unit is securely placed on the non-slip mat to prevent movement during driving, which could lead to damage.
- **Cable Care:** Do not bend or crimp the OBD cable excessively. Store it neatly to prevent tangles or damage.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods when parked, or excessive moisture.

7. TROUBLESHOOTING

If you encounter issues with your B3 OBD2 Gauge Display, refer to the following common problems and solutions:

7.1. Display Not Turning On

- **Check Connection:** Ensure the OBD cable is securely connected to both the vehicle's OBD2 port and the B3 unit.
- **Vehicle Compatibility:** Verify that your vehicle is compatible with the OBD2 system and not one of the listed incompatible brands (Suzuki, Chevrolet, Subaru, Renault, Peugeot, Citroen, Fiat, DS, Lamborghini, Jeep, SIMCA, Maserati, Dodge, Jazz, CRV, Hummer).
- **Vehicle Ignition:** The unit turns on with the car's ignition. Ensure the car is running or in accessory mode.

7.2. Inaccurate Readings or No Data

- **OBD2 Protocol:** While designed for post-2009 models, some older OBD2 systems (e.g., pre-2008) or specific vehicle models might have communication issues.
- **Reset Unit:** Disconnect and reconnect the OBD cable to reset the unit.
- **Consult Manual:** Refer to the detailed instruction manual for specific calibration or setting adjustments if available.

7.3. Electrical Issues in Vehicle (e.g., flickering lights, cruise control issues)

Immediate Action:

- If you experience any unexpected electrical issues in your vehicle (e.g., signal lights acting funny, cruise control cutting off, dash lights flickering) immediately **unplug the B3 OBD2 Gauge Display from the OBD port**.
- If the vehicle returns to normal operation after unplugging the device, it indicates a potential incompatibility or issue with the device's interaction with your specific vehicle's electrical system. In such cases, discontinue use and contact customer support.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.62 x 1.63 x 1.7 inches

Item Model Number	B3
Item Weight	1.41 ounces (40 Grams)
Manufacturer	AZIJYV
Material	Acrylonitrile Butadiene Styrene (ABS)
Screen Size	5.5 Inches

9. WHAT'S IN THE BOX

The product package includes the following items:

- B3-HUD Unit
- OBD Line
- Non-slip Mat
- Instructions

10. WARRANTY AND SUPPORT

For any questions, technical assistance, or support regarding your AZIJYV B3 OBD2 Gauge Display, please utilize the 24-hour online service provided by the manufacturer. Refer to the contact information included in your product packaging or on the official AZIJYV website for details on how to reach support.

Related Documents

[AZIJYV T6 Heads Up Display for Tesla Model 3/Y](#)
This document provides installation instructions and interface descriptions for the AZIJYV T6 Heads Up Display, a digital speedometer designed for Tesla Model 3 and Model Y vehicles. It covers interface elements, troubleshooting, and setup.