AMHVMU P17

AMHVMU P17 Head-Up Display Car HUD User Manual

Model: P17

1. Product Overview

The AMHVMU P17 Head-Up Display (HUD) is an advanced car gadget designed to enhance your driving experience by providing crucial vehicle information directly in your line of sight. This device features a dual OBD2 and GPS system, offering real-time data such as speed, RPM, water temperature, voltage, turbo pressure, and more.

The P17 HUD ensures accurate speed measurement, allowing you to monitor your vehicle's speed digitally and safely adhere to speed limits. Its dual system integration provides comprehensive vehicle diagnostics and precise positioning, making it suitable for a wide range of vehicle models.

Designed for improved driving safety, the P17 HUD minimizes distractions by displaying important information without requiring you to look away from the road. This allows for confident and responsible driving.



Image 1.1: Front view of the AMHVMU P17 HUD displaying various vehicle parameters.

2. Package Contents

Please verify that all items are present in the package:

- AMHVMU P17 HUD Unit
- Rotary Suction Cup Bracket
- OBD Cable
- USB Cable
- Non-slip Mat
- User Manual



Image 2.1: All accessories included with the AMHVMU P17 HUD.

3. Setup and Installation

The AMHVMU P17 HUD is designed for easy installation and broad compatibility with all car models. It offers multiple placement options to suit your preference.

3.1 Installation Methods

You can install the HUD using either the rotary suction cup bracket or the non-slip mat. Both methods ensure a stable placement without obstructing your view.

1. **Dashboard Placement:** Use the provided non-slip mat to place the HUD directly on your dashboard. Ensure the surface is clean and flat for optimal adhesion.
2. **Windshield Mounting:** Attach the rotary suction cup bracket to the windshield. Secure the HUD unit to the bracket. Adjust the angle for clear visibility.



Image 3.1: Different installation options for the AMHVMU P17 HUD.

3.2 Connecting the Device

The P17 HUD supports dual connectivity via OBD2 or USB.

1. **OBD2 Connection:** Locate your vehicle's OBD2 port (typically under the dashboard on the driver's side). Connect the provided OBD cable to the port and then to the HUD unit. This connection allows access to comprehensive vehicle data.
2. **USB Connection:** If your vehicle does not have an OBD2 port or for basic GPS functions, connect the provided USB cable to a USB power source in your vehicle and then to the HUD unit. Note that OBD2-specific data will not be available via USB.



Image 3.2: The P17 HUD installed in a vehicle, showcasing its display.

4. Operating Instructions

Once powered on, the AMHVMU P17 HUD will automatically start. It features various display interfaces and alarm functions to keep you informed.

4.1 Display Interfaces

The P17 HUD offers multiple display interfaces, allowing you to customize the information presented. You can switch between these interfaces using the control buttons on the device.



Image 4.1: Examples of different display interfaces.

4.2 Key Displayed Parameters

The HUD can display a range of parameters depending on the selected interface and connection type (OBD2 or GPS mode):

- **Speed:** Current vehicle speed (MPH/KMH).
- **RPM:** Engine Revolutions Per Minute.
- **Water Temperature (ECT.T):** Engine coolant temperature.
- **Voltage (VLT.V):** Vehicle battery voltage.
- **Turbo Pressure:** Current turbocharger pressure.
- **Clock:** Current time.
- **GPS:** Number of satellites connected (in GPS mode).
- **Trip:** Trip distance.
- **Fuel Consumption:** Real-time fuel consumption.

- **MAP.P:** Manifold Absolute Pressure.

4.3 Alarm Functions

The P17 HUD includes several alarm functions to alert you to potential issues or driving conditions:

- **Overspeed Alarm:** Alerts when the vehicle exceeds a preset speed limit.
- **Water Temperature Alarm:** Warns if the engine coolant temperature becomes too high.
- **Voltage Alarm:** Notifies if the vehicle's voltage drops below a safe level.
- **RPM Alarm:** Alerts if engine RPM exceeds a specified threshold.
- **Fault Code Alarm:** Indicates detected engine fault codes (OBD2 mode only).



Image 4.2: Overview of safety alarm functions.

4.4 Language Selection

The device supports multiple languages for its interface. Refer to the included manual for instructions on how to change the language settings.



Image 4.3: Multi-language selection feature.

5. Maintenance

To ensure the longevity and optimal performance of your AMHVMU P17 HUD, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display and exterior. Avoid abrasive cleaners or solvents that could damage the device.
- **Temperature:** Do not expose the device to extreme temperatures (very hot or very cold) for extended periods, as this can affect its electronic components and display.
- **Storage:** If storing the device for a long time, disconnect it from the vehicle and store it in a cool, dry place.
- **Cable Care:** Handle the OBD and USB cables carefully. Avoid sharp bends or excessive pulling that could damage the connectors or wiring.

6. Troubleshooting

If you encounter issues with your AMHVMU P17 HUD, refer to the following common troubleshooting steps:

- **No Display/Power:**
  - Ensure the OBD or USB cable is securely connected to both the vehicle and the HUD unit.
  - Check the vehicle's power source (e.g., OBD2 port functionality, USB port power).
  - If using OBD2, ensure your vehicle is compatible with the OBD2 standard.
- **Incorrect Readings (Speed, RPM, etc.):**
  - Verify that the correct unit (MPH/KMH) is selected in the settings.
  - If in GPS mode, ensure the device has a clear view of the sky for satellite acquisition.
  - Some vehicles may require calibration for accurate speed readings. Refer to the detailed manual for calibration procedures.
- **Settings Not Saving:**
  - Ensure the device is properly powered off and not just in standby mode.
  - Some settings may reset if the device loses power completely.
- **Display Not Clear/Visible:**
  - Adjust the brightness settings of the HUD.
  - Ensure the display surface is clean and free from dust or smudges.
- **Device Freezes/Unresponsive:**
  - Disconnect the power cable, wait a few seconds, and reconnect to perform a soft reset.

For persistent issues, please consult the full user manual or contact AMHVMU customer support.

7. Specifications

Feature	Specification
Brand	AMHVMU
Model Number	P17
Product Dimensions (L x W x H)	10 x 14.5 x 7.5 cm
Item Weight	340 Grams
Material	Polycarbonate (PC)
Connectivity	OBD2, GPS
Origin	China

8. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your product or visit the official AMHVMU website. Keep your purchase receipt as proof of purchase for any warranty claims.

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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.

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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