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› GULFLINK Upgrade HUD P1 Car Head Up Display OBD Mode, 3-in-1 Smart GPS Odometer and Slope Meter for All Vehicles User Manual

GULFLINK HUD P1

GULFLINK HUD P1 Car Head Up Display User Manual

Model: HUD P1

1. INTRODUCTION

The GULFLINK HUD P1 is an advanced 3-in-1 car head-up display, integrating OBD mode, GPS, and a slope meter. Designed for universal compatibility with most car models, including some diesel vehicles, it provides essential driving data directly in your line of sight. Its innovative 360° split bracket allows for flexible adjustment of viewing angle and height, ensuring optimal placement and ease of installation. This multifunctional LCD meter serves as a comprehensive trip computer, displaying critical information such as speed, RPM, voltage, oil quality, and water temperature.

P1 Multifunctional LCD Meter

OBD+GPS+In clinometer+Ambient Light



Figure 1.1: GULFLINK HUD P1 in-car view, demonstrating its placement and clear display.

2. SAFETY INFORMATION

- **Read the Manual:** Before operating the device, thoroughly read and understand this user manual.
- **Proper Installation:** Ensure the device is securely installed and does not obstruct your view of the road or interfere with vehicle controls.
- **Avoid Distractions:** Do not adjust settings or interact with the device while driving. Always pull over to a safe location if adjustments are necessary.
- **Power Source:** Use only the provided power cable and connect to the designated OBD-II port or USB power source as instructed.
- **Temperature Extremes:** Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- GULFLINK HUD P1 Main Unit
- OBD-II Connection Cable
- USB Power Cable
- Non-slip Mat
- User Manual
- 3600 Split Bracket

4. PRODUCT OVERVIEW

The GULFLINK HUD P1 features a clear LCD display and intuitive controls. Understanding its components will aid in proper setup and operation.



Figure 4.1: Front view of the HUD P1 unit.

4.1. Device Components

- **LCD Display:** Main screen for displaying vehicle data.
- **Control Buttons:** Three buttons (Left, M, Right) located at the bottom of the unit for navigation and settings.
- **OBD-II Port:** Located at the rear, for connecting to the vehicle's OBD-II diagnostic port.
- **USB Port:** Located at the rear, for alternative power or updates.
- **3600 Split Bracket:** A versatile mounting bracket allowing for full rotation and height adjustment.



Figure 4.2: Rear view of the HUD P1 unit with ports.

5. SETUP AND INSTALLATION

Follow these steps to install your GULFLINK HUD P1:

1. **Identify OBD-II Port:** Locate your vehicle's OBD-II diagnostic port, typically found under the dashboard on the driver's side.
2. **Connect OBD Cable:** Plug one end of the provided OBD-II cable into the HUD P1 unit and the other end into your vehicle's OBD-II port.
3. **Mount the Unit:** Attach the HUD P1 unit to the 3600 split bracket. Place the unit on your dashboard using the non-slip mat, ensuring it is stable and does not obstruct your view.
4. **Adjust Viewing Angle:** Utilize the 3600 split bracket to adjust the angle and height of the display for optimal visibility and comfort.
5. **Power On:** Start your vehicle. The HUD P1 unit should power on automatically.
6. **Select Mode:** The device supports both OBD and GPS modes. It will automatically detect the OBD connection. If OBD data is not available or for non-OBD compatible vehicles, the device will switch to GPS mode.

6. OPERATING INSTRUCTIONS

The HUD P1 offers multiple display interfaces and functions. Use the control buttons to navigate and select options.

6.1. Button Functions

- **Left Button (<):** Short press to move left or decrease value. Long press for specific functions (e.g., entering settings).
- **'M' Button:** Short press to confirm selection or switch display interfaces. Long press to enter/exit menu settings.
- **Right Button (>):** Short press to move right or increase value. Long press for specific functions (e.g., clearing fault).

codes).

6.2. Display Interfaces and Data

The HUD P1 features 12 major interfaces, allowing you to switch between various data displays. These include:



Figure 6.1: Examples of the 12 major display interfaces.

- **Speed and RPM:** Digital and analog representations of vehicle speed and engine revolutions per minute.
- **Voltage:** Real-time vehicle battery voltage.
- **Water Temperature (ECT):** Engine coolant temperature.
- **Fuel Consumption (FUE):** Instantaneous or average fuel consumption.
- **Turbo Pressure:** Displays turbocharger boost pressure.
- **Inclinometer:** Shows pitch and roll angles for off-road driving.
- **Acceleration Test:** Measures 0-100 km/h acceleration time.
- **Brake Test:** Measures braking distance and time.

- **PID Data:** Displays various diagnostic parameters from the OBD-II system.

Press the 'M' button to cycle through the different display interfaces. Refer to the on-screen prompts for specific interface details.

6.3. Settings Menu

Long press the 'M' button to enter the settings menu. Use the Left and Right buttons to navigate through options and the 'M' button to confirm. Settings may include:

- Unit selection (KM/H, MPH, 0C, 0F)
- Speed calibration
- Alarm settings (overspeed, high water temp, low voltage)
- Brightness adjustment
- Factory reset

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display and exterior of the unit. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Storage:** If storing the device for an extended period, disconnect it from the vehicle and store it in a cool, dry place away from direct sunlight.
- **Cable Care:** Ensure the OBD-II and USB cables are not kinked or pinched, as this can damage them.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power from OBD-II port; loose connection; vehicle not started.	Ensure OBD-II cable is securely connected. Start the vehicle. Test with USB power if available.
Inaccurate speed display.	Speed calibration needed; GPS signal weak (in GPS mode).	Enter settings menu to calibrate speed. Ensure clear view of sky for GPS signal.
No data displayed in OBD mode.	Vehicle not OBD-II compliant; faulty OBD-II port; device not detecting protocol.	Verify vehicle's OBD-II compatibility. Try connecting to another OBD-II port if possible. Device may switch to GPS mode automatically.
Display is too dim/bright.	Brightness setting needs adjustment.	Adjust brightness in the settings menu.

9. SPECIFICATIONS

Feature	Detail
Model Name	HUD P1

Feature	Detail
Brand	GULFLINK
Product Dimensions	14.7 x 4.5 x 9.3 cm
Weight	220 g
Screen Size	3 Inches (8 cm diagonal)
Special Features	Head-Up Display, OBD Mode, GPS Mode, Slope Meter
Vehicle Service Type	Car (compatible with most car models and some diesel car models)
Manufacturer	Huashengtai

10. WARRANTY AND SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding warranty coverage, please contact GULFLINK customer service through the retailer or official website. Please have your product model and purchase information ready when contacting support.

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