

## MAIMEIMI P24

# MAIMEIMI P24 OBD2 & GPS Dual System Heads Up Display User Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MAIMEIMI P24 OBD2 & GPS Dual System Heads Up Display. This device is designed to project essential driving information onto your windshield or display it directly on its screen, enhancing driving safety and convenience. It supports both OBD2 and GPS operating modes to ensure compatibility with a wide range of vehicles.

## 2. PRODUCT OVERVIEW

The MAIMEIMI P24 is a versatile heads-up display unit capable of monitoring various vehicle data. It features a dual-system design, allowing operation via your vehicle's OBD2 port or through GPS satellite signals. The device includes a high-definition display with multiple customizable interfaces and integrated alarm functions for critical driving parameters.



Figure 2.1: Front view of the MAIMEIMI P24 Heads Up Display showing speed, RPM, and voltage.



Figure 2.2: Detailed view of the MAIMEIMI P24 showing dimensions, rotatable bracket, wheel button, photosensitive aperture, and Type-C interface.

### 3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- MAIMEIMI P24 HUD Unit
- Rotatable Bracket
- Type-C OBD Cable
- Non-slip Mat
- User Manual



Figure 3.1: Contents of the MAIMEIMI P24 package.

## 4. INSTALLATION

The MAIMEIMI P24 can be installed in two primary ways: on the dashboard using the non-slip mat or mounted on the windshield. Choose the method that best suits your vehicle and driving preference.

### 4.1 Placement Options

- **On the Instrument Panel:** Place the non-slip mat on a flat surface of your dashboard. Position the HUD unit on the mat.
- **On the Windshield:** Attach the rotatable bracket to the HUD unit and then secure it to the windshield using the suction cup or adhesive provided with the bracket (if applicable).



Figure 4.1: Illustrates placing the HUD on the windshield or instrument panel.

### 4.2 Connection

Connect the provided Type-C OBD cable to the HUD unit and then plug the other end into your vehicle's OBD2 port. The HUD will power on automatically when the vehicle is started.

## 5. OPERATION

### 5.1 System Selection (OBD2 vs. GPS)

The MAIMEIMI P24 supports two operating modes: OBD2 and GPS. Upon startup, the device will attempt to

connect via OBD2. If your vehicle is not OBD2 compatible or you prefer GPS mode, you can switch between systems using the control wheel/button.

- **OBD2 Mode:** Suitable for vehicles manufactured after 2008 that support OBD2 or EOBD protocols. This mode provides comprehensive vehicle data directly from the ECU.
- **GPS Mode:** Works with all vehicle models. This mode relies on satellite signals for speed, altitude, and other GPS-derived data.



Figure 5.1: Comparison of GPS and OBD system functionalities.

## 5.2 Display Modes and UI Interfaces

The device offers 12 different display modes and multiple UI interfaces. You can switch between these to customize the displayed information and visual style according to your preference.

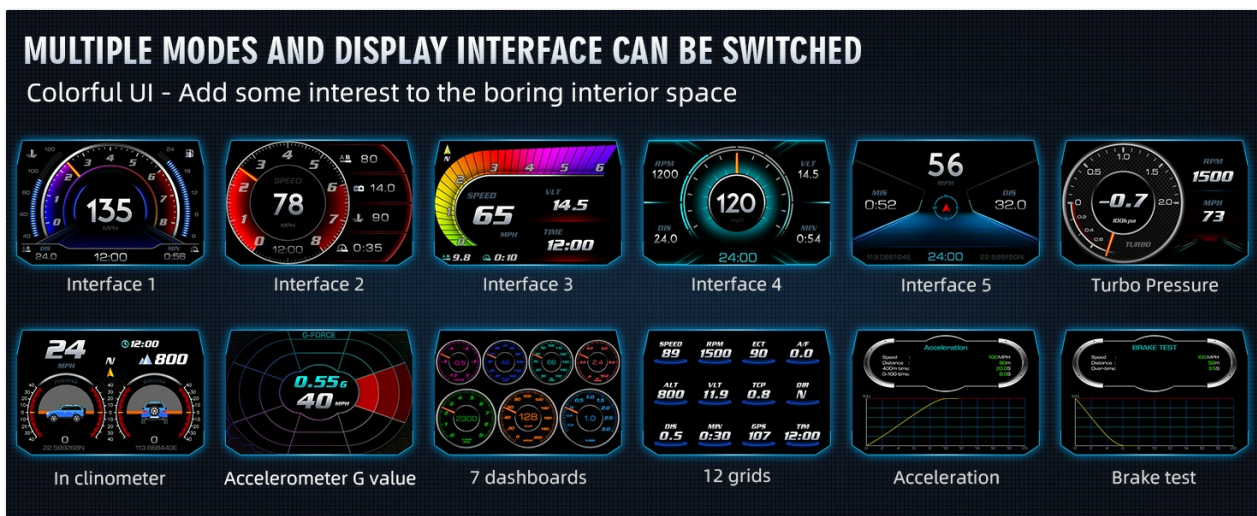


Figure 5.2: Examples of various display modes and user interfaces.

## 5.3 Monitored Data Parameters

Depending on the operating mode, the HUD can display a variety of data:

- **OBD2 Mode:** Speed, Water Temperature, Oil Temperature, Voltage, Fuel Consumption, RPM, Clock, One-way Driving Distance, One-way Driving Time, Travel Direction, Intake Pressure, Air-fuel Ratio, Turbo Pressure, Intake Air Temperature, Hydraulics Pressure, Throttle, Engine Load, Transmission Oil Temperature, PID List, Front Acceleration, Lateral Acceleration, Roll Angle, Pitch Angle.
- **GPS Mode:** Altitude, GPS Speed, Driving Distance, Driving Time, Date, Travel Direction, Roll Angle, Pitch Angle.





Figure 5.3: Icons illustrating the various data parameters the HUD can monitor.

## 5.4 Alarm Functions

The device includes 10 alarm functions to alert the driver to potential issues, improving driving safety. When an alarm condition is met, the HUD will display a visual warning and emit an audible beep.

- Overspeed Alarm
- RPM Alarm
- Water Temperature Alarm
- Voltage Alarm
- Turbo Pressure Alarm
- Gearbox Oil Temperature Alarm
- Oil Pressure Alarm
- Engine Temperature Alarm
- Pitch Angle Alarm
- Roll Angle Alarm

## ELECTRONIC INCLINOMETER

Real-time monitoring of car body tilt to ensure driving safety.

Appearance angle:  $-40^{\circ} \sim 40^{\circ}$

Roll angle:  $-40^{\circ} \sim 40^{\circ}$

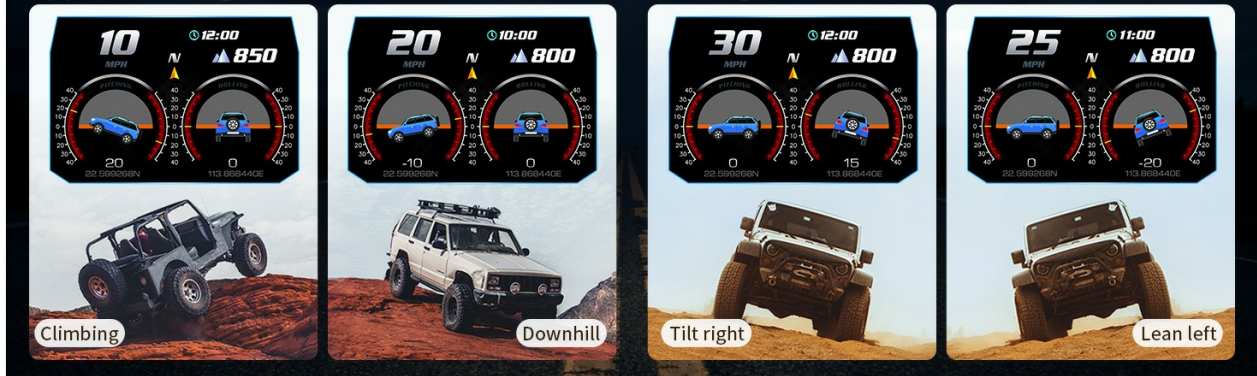


Figure 5.4: Visual representation of the ten alarm functions.

### 5.5 Electronic Inclinometer

The integrated electronic inclinometer provides real-time monitoring of your car's body tilt and roll angles, which is particularly useful for off-road driving or navigating uneven terrain. The display shows appearance angle and roll angle, both ranging from  $-40^{\circ}$  to  $40^{\circ}$ .



Figure 5.5: Inclinometer display showing various vehicle angles.

### 5.6 Settings and Customization

The device allows for various settings adjustments, including:

- **Speed Unit Selection:** Switch between MPH and KM/H.
- **Language Selection:** Choose from multiple supported languages.
- **Speed Calibration:** If you notice a discrepancy in speed display, you can manually fine-tune the speed reading according to the instructions in the full user manual.
- **Ambiance Lights:** Customize the color of the ambiance lights.

# MULTIPLE FUNCTION SELECTION

You can switch according to your own needs



Multi-language selection



System selection



Speed unit selection

Figure 5.6: Options for multi-language selection, system selection (OBD/GPS), and speed unit selection (MPH/KM/H).

## 6. COMPATIBILITY NOTES

Please review the following compatibility information before using the OBD2 mode:

- The OBD2 system is compatible only with vehicles produced after 2008 that support OBDII and EOBD protocols.
- It is not suitable for cars made in the United States before 2004 or other cars made before 2008.
- The OBD2 system does not support OBDI and JOBD protocols.
- **Known Incompatible Brands/Models (OBD2 System):** Dodge, JEEP, Sail, Chrysler, French models, Italian models, Suzuki, Mazda 6, Infiniti (QX50, Q50, Q501), Toyota Avanza (2013 model), Lexus (IS250, EX250, ES300H), Honda (Jazz, CRV), Kia, hybrid vehicles, diesel vehicles, pickups, RVs, and vehicles with modified automotive computers.
- The GPS mode is universally compatible with all vehicle models.

## 7. TROUBLESHOOTING

If you encounter issues with your MAIMEIMI P24 HUD, please refer to the following common troubleshooting steps:



- **No Power/Display:** Ensure the OBD cable is securely connected to both the HUD unit and the vehicle's OBD2 port. Verify that the vehicle's ignition is on.
- **OBD Mode Not Working:** Check if your vehicle is compatible with OBD2/EOBD protocols (generally vehicles produced after 2008). If not, switch to GPS mode.
- **Inaccurate Speed Reading:** Access the settings menu to perform a speed calibration. Refer to the detailed instructions in the full user manual for calibration steps.
- **GPS Signal Loss:** GPS signal can be temporarily lost in tunnels, underground garages, or areas with heavy obstructions. The signal should reconnect automatically once clear.
- **Device Overheating:** Avoid leaving the device in direct sunlight for extended periods, especially in hot climates, as this can affect performance.

For further assistance, please consult the complete user manual or contact MAIMEIMI customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	P24
Product Dimensions (L x W x H)	5.03 x 2.89 x 1.47 inches
Item Weight	0.42 Pounds (6.72 ounces)
Material	Acrylonitrile Butadiene Styrene (ABS)
Operating Modes	OBD2, GPS
Display Interfaces	12 customizable styles
Alarm Functions	10 types (Overspeed, RPM, Water Temp, Voltage, etc.)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official MAIMEIMI website. Keep your purchase receipt for warranty claims.



