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> P10 Car HUD Display Universal Car Head Up Display OBD2 Speed Warning RPM Fuel Consumption Projector Practical for OBD II EUOBD Port Car User Manual

Leapiture Leapiturefq90oshbgn

Leapiture P10 Car HUD Display User Manual

Model: Leapiturefq90oshbgn

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Leapiture P10 Car HUD Display. This device is designed to enhance your driving experience by projecting essential vehicle data directly onto your windshield, allowing you to monitor key information without diverting your eyes from the road.

The P10 HUD Display is universally compatible with vehicles equipped with OBD II and EUOBD ports, offering a plug-and-play solution for automatic diagnosis systems. It features a multi-color TFT LCD display that automatically detects and displays the vehicle protocol upon the first scan.



Figure 1: The Leapiture P10 Car HUD Display, showcasing its compact design and clear digital readout of speed, voltage, and engine

temperature.



Figure 2: The P10 Car HUD Display seamlessly integrated into a car's dashboard, providing clear visibility of information during nighttime driving.

PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- 1 x Car HUD Display (P10 Unit)
- 1 x OBD2 Connecting Line
- 1 x Non-slip Pad
- 1 x User Manual (This document)



Figure 3: Contents of the P10 Car HUD Display package, including the main unit, OBD2 cable, and non-slip pad.

Note: Due to product updates, you may receive either the new or old type of the product. Both versions are fully functional and compatible.

NEW AND OLD MODELS ARE SHIPPED RANDOMLY



Figure 4: Visual comparison between the new and old types of the P10 Car HUD Display and their respective OBD2 connecting lines.

SETUP AND INSTALLATION

Before installation, ensure your vehicle is compatible with OBD II or EOBD protocols. Most vehicles manufactured after 1996 in the USA, and after 2001 in Europe, are compatible.

1. **Verify OBDII/EOBD Compatibility:** Open your vehicle's engine hood and locate the Vehicle Emission Control Information sticker. If it states "OBDII CERTIFIED" or "EOBD", your vehicle is compatible.

Product Installation

1. Know your vehicle brand, this product work for cars with OBDII agreement or EU OBD agreement. Open the engine hood and find the sticker below it (see the below picture 1), if it has words like OBDII CERTIFIED, then it can be installed.
2. Find out the 16 pin diagnostic link (see the below picture 2) of the vehicle and connect it well with OBDII connecting line.



Figure 5: Example of an OBDII certified sticker and the typical location of the 16-pin diagnostic link under the dashboard.

2. **Locate and Connect OBD2 Port:** Find the 16-pin diagnostic link (OBD2 port) in your vehicle, typically located under the dashboard on the driver's side. Connect the provided OBD2 connecting line firmly to this port.
3. **Position the HUD Display:** Place the P10 HUD Display on your dashboard using the non-slip pad. Ensure it is positioned where the projected information is clearly visible on your windshield without obstructing your view of the road. The device should be stable and not move during driving.
4. **Power On:** Once connected, start your vehicle. The HUD display will automatically power on and begin detecting the vehicle protocol. This process may take a few moments during the first use.

OPERATING INSTRUCTIONS

The P10 HUD Display provides a wealth of real-time vehicle data and diagnostic functions. The multi-color TFT LCD display ensures clear readability.

Displayed Information

The device can display the following critical information:

- **Speed:** Current vehicle speed.
- **RPM:** Engine Revolutions Per Minute.

- **Water Temperature:** Engine coolant temperature.
- **Voltage:** Vehicle battery voltage.
- **Fuel Consumption:** Instantaneous and average fuel consumption metrics.
- **Driving Distance:** Distance traveled during the current trip.
- **Driving Time:** Duration of the current trip.
- **Alarms:** Various alerts such as low voltage, high water temperature, and overspeed warnings.



Figure 6: The P10 HUD Display interface, illustrating the range of data points it can display, including RPM, Speed, Voltage, Water Temperature, Driving Time, Fuel Consumption, and Driving Distance.

Advanced Functions

The P10 HUD Display offers enhanced functionality for comprehensive vehicle insights:

- **Accelerating Competitive Mode:** Measure your vehicle's acceleration performance.
- **Brake Performance Test:** Evaluate your vehicle's braking efficiency.
- **Real-time Car Data Stream:** Read and monitor live data from your vehicle's ECU.

- **Engine Fault Code Diagnosis:** Identify and display engine diagnostic trouble codes (DTCs).
- **Eliminate Fault Code:** Clear detected fault codes from your vehicle's system.
- **Engine Fault Code Alarm:** Receive alerts for detected engine issues.



Figure 7: Illustration of the P10 HUD Display's advanced functions, including brake performance test, accelerating test, driving distance measurement, fault code elimination, engine fault code diagnosis, and engine fault code alarm.

Display Modes and Settings

Users can switch between multi-function and simple function display modes to suit individual preferences. The device features a semicircle setting button and a USB interface on the back for configuration and potential firmware updates.



Figure 8: Rear view of the P10 HUD Display, highlighting the light sensor hole, semicircle setting button, and USB interface for adjustments and connectivity.

MAINTENANCE

To ensure the longevity and optimal performance of your P10 Car HUD Display, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the display screen and housing. Avoid using abrasive cleaners,

solvents, or spray directly onto the unit, as these can damage the surface or internal components.

- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Ensure the OBD2 connecting line is not kinked, pinched, or subjected to excessive tension, which could damage the cable or connectors.

TROUBLESHOOTING

If you encounter issues with your P10 Car HUD Display, refer to the following common troubleshooting steps:

- **No Display/Power:**
 - Ensure the OBD2 connecting line is securely plugged into both the HUD unit and the vehicle's OBD2 port.
 - Verify that your vehicle is turned on (engine running or ignition in ON position).
 - Check your vehicle's OBD2 port for power by testing with another OBD2 device if available.
- **Incorrect Data Display:**
 - Ensure your vehicle is fully compatible with OBD II or EOBD protocols.
 - Restart the vehicle and the HUD unit to allow it to re-establish connection and protocol detection.
 - If speed or other values seem off, check the unit's settings (using the semicircle button) for calibration options, if available.
- **Alarms Not Functioning:**
 - Verify that alarm thresholds (e.g., overspeed, high water temperature) are correctly set in the device's settings.
 - Ensure the alarm sound level is not set to minimum or muted.
- **Engine Fault Code Issues:**
 - If the HUD displays a fault code, consult your vehicle's service manual or a professional mechanic for diagnosis.
 - The "Eliminate fault code" function should only be used after the underlying issue has been resolved, as clearing codes without fixing the problem will result in the code reappearing.

If problems persist after attempting these steps, please refer to the support section for further assistance.

SPECIFICATIONS

Feature	Specification
Model	Leapiture P10
Material	Plastic, Electronic Components
Housing Color	Black
Display Color	Colorful
Environment Temperature	-40°C ~ +80°C (-40°F ~ +176°F)
Relative Humidity	10% - 15%
Atmospheric Pressure	86-106KPa

Alarm Sound Level	$\geq 30\text{dB(A)}$
Work Voltage	9V~16V DC (12V DC/400mA)
Dimensions (L x W x H)	Approx. 73 x 68 x 46mm / 2.9 x 2.7 x 1.8in
Weight	Approx. 177g / 6.2 ounces

SIZE



Figure 9: Detailed dimensions of the P10 Car HUD Display unit.

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Leapiture website or contact the seller directly through your purchase platform. Keep your proof of purchase for any warranty claims. It is recommended to read all product instructions carefully before use to ensure correct usage and to prevent any potential issues.



1 Warning

Please read the product instructions carefully before use to ensure correct use.

2 Warnung

Bitte lesen Sie das Produkthandbuch vor dem Gebrauch sorgfältig durch, um sicherzustellen, dass es korrekt und gemäß den Anweisungen verwendet wird.

3 Avertissement

Euillez lire attentivement les instructions du produit avant utilisation pour garantir une utilisation correcte selon les instructions.

4 Advertencia

Por favor, lea detenidamente el manual del producto antes de usarlo para asegurarse de seguir correctamente las instrucciones.

5 Attenzione

Leggere attentamente il manuale del prodotto prima dell'uso per garantire il corretto utilizzo delle istruzioni.

6 Waarschuwing

Lees voor gebruik aandachtig de handleiding van het product om er zeker van te zijn dat het correct en in overeenstemming met de instructies wordt gebruikt.

7 Varning

Läs bruksanvisningen noggrant före användning för att säkerställa att produkten används på rätt sätt och i enlighet med instruktionerna.

8 Ostrzeżenie

Przed użyciem prosimy dokładnie przeczytać instrukcję obsługi produktu, aby upewnić się, że są przestrzegane poprawne wskazówki dotyczące użytkowania.

9 Uyarı

Lütfen doğru kullanım talimatlarını sağlamak için kullanmadan önce ürün kılavuzunu dikkatlice okuyun.

Figure 10: A general warning emphasizing the importance of reading the product instructions carefully before use.

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

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