

[Manuals.plus](#) /

› [JTLB](#) /

› JTLB AP 6 Car OBD and GPS Smart Gauge Display User Manual

JTLB JTLBkt1pm4hw3e

JTLB AP 6 Car OBD and GPS Smart Gauge Display User Manual

Dual System Head-Up Device for Vehicles

1. INTRODUCTION

The JTLB AP 6 Smart Gauge Display is an advanced head-up device designed to provide essential vehicle information directly in your line of sight. Featuring a dual system (OBD+GPS), it offers comprehensive data monitoring for a safer and more informed driving experience. This manual provides detailed instructions for installation, operation, and maintenance of your device.



Image 1: Front view of the JTLB AP 6 Smart Gauge Display, showing its main screen interface with speed, RPM, voltage, and other metrics.

2. SAFETY INFORMATION

Please read all instructions carefully before using the product to ensure correct operation and prevent damage. Keep this manual for future reference.



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 Ostrzeżenie

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

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 Attenzione

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

9 Uyarı

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

Image 2: Important safety warning emphasizing the need to read the product instructions before use.

- Ensure the device is securely mounted and does not obstruct your view of the road.
- Do not attempt to disassemble or modify the device.
- Keep the device away from water and extreme temperatures.
- Always prioritize driving safety. Adjust settings only when the vehicle is stationary.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Host (AP 6 Smart Gauge Display)
- 1 x Connection Line (OBD Cable)
- 2 x Double-Sided Tape
- 1 x Install Wrench
- 1 x English Manual



Image 3: The JTLB AP 6 Smart Gauge Display shown with its complete set of accessories, including the OBD connection cable, double-sided tape, and an installation wrench.

4. SETUP AND INSTALLATION

Follow these steps to install your JTLB AP 6 Smart Gauge Display:

1. **Locate the OBD2 Interface:** The OBD2 interface is typically found on the driver's side, approximately 30cm (11.8 inches) from the center of the dashboard. Refer to your vehicle's manual if you cannot locate it.
2. **Connect the OBD Cable:** Turn off the vehicle's ignition switch. Connect one end of the provided OBD cable to the vehicle's OBD2 interface.
3. **Connect to Smart Gauge:** Connect the other end of the OBD cable to the OBD interface on the smart gauge.
4. **Route the Cable:** Carefully hide the OBD cable, for example, along the A-pillar, to ensure it does not interfere with driving.
5. **Power On:** Turn on the ignition switch. The device should power on and begin operation.

Important Notes:

- If your car is not compatible with OBD (e.g., electric vehicles, pickup trucks, RVs, or certain modified vehicles), please use GPS mode. This OBD HUD does not support JOBD and OBDI protocols.
- If you are unsure about your car's compatibility, consult with the manufacturer before purchase.



Image 4: Rear view of the device highlighting the OBD interface for cable connection, the photosensitive hole for automatic brightness adjustment, and the bracket knob for angle adjustment.



Image 5: A detailed view of the adjustable bracket, allowing users to set the optimal viewing angle for the display.

5. OPERATING INSTRUCTIONS

5.1 Dual System Operation (OBD + GPS)

The AP 6 features both OBD and GPS modes. The device will automatically detect the connection type. If OBD is not compatible, it will switch to GPS mode.

- **OBD Mode Display:** Speed, water temperature/oil temperature, voltage, fuel consumption, RPM, mileage, driving time, satellite number, altitude, turbine pressure, acceleration test, brake test, and other vehicle data.
- **GPS Mode Display:** Speed, voltage, driving time, altitude, number of satellites, driving direction, simple mileage.

5.2 Ambient Light Function

The device includes an LED ambient light with the following functions:

- **Normal Operation:** The light illuminates blue after booting, adjusting its brightness based on the surrounding

environment.

- **Alarm State:** When an alarm is triggered, the light turns red and flashes, maintaining its brightest state for clear visibility.
- **Brightness Adjustment:** The brightness can be manually adjusted or turned off. Even if turned off, it will still flash red during an alarm.

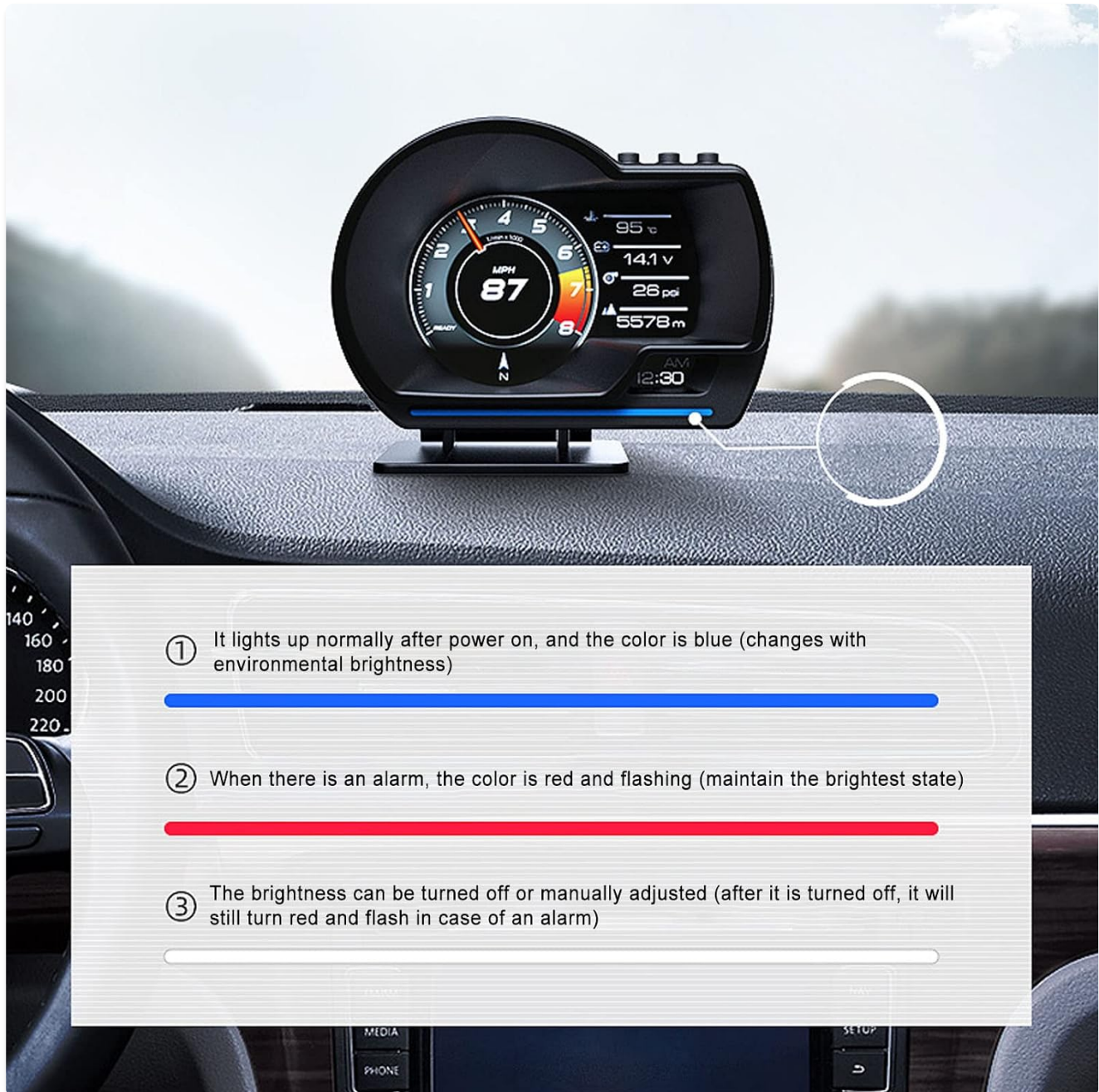


Image 6: Visual explanation of the ambient light behavior: blue for normal operation, red flashing for alarms, and brightness adjustment options.

5.3 Customization and Unit Switching

In OBD mode, you can customize the small icons displayed according to your preferences. You can also switch units:

- Switch between miles and kilometers for speed and distance.
- Switch turbine unit to PSI, Bar, or 100KPA.



Image 7: The JTLB AP 6 Smart Gauge Display mounted on a car dashboard, illustrating its compact size and the blue ambient light during normal operation.

6. FEATURES

The JTLB AP 6 Smart Gauge Display offers several key features to enhance your driving experience:

- **OBD and GPS Dual System:** Enhanced compatibility with 10 OBD2 protocols, suitable for 98% of cars (European cars after 2005, others after 2008). GPS mode is universally applicable.
- **LED Ambient Lighting:** Dynamic color changes with vehicle speed (blue for normal, red flashing for alarms) and adjustable brightness.
- **Multiple Display Options:** Simultaneous display of OBD2 and GPS data on a single interface, offering comprehensive vehicle metrics.
- **Adaptable Customization:** Personalize displayed icons and switch between various units (miles/kilometers, PSI/Bar/KPA).
- **Safer Driving:** Reduces the need to look down at the dashboard, keeping essential information like speed, fuel consumption, and alerts directly in the driver's line of sight.

7. SPECIFICATIONS

Attribute	Detail
Item Type	Smart Gauge Display
Material	PC+ABS
Installation Location	Dashboard
Dual System	OBD+GPS
OBD Connection Line Length	1.5m / 4.9ft
OBD System Protocol	SAE J1939 (CAN communication)
GPS System Data	Speed, Date, Time, Altitude, Driving Direction, Latitude, Longitude, Number of Satellites
Ambient Light Colors	Blue (Normal), Red (Alarm)
Item Weight	10.2 ounces
Package Dimensions	6.69 x 5.12 x 3.15 inches
Model Number	JTLBkt1pm4hw3e



Image 8: Diagram illustrating the physical dimensions of the JTLB AP 6 Smart Gauge Display, showing its width, height, and depth.

8. TROUBLESHOOTING

If you encounter issues with your device, consider the following:

- **Device Not Powering On:** Ensure the OBD cable is securely connected to both the vehicle's OBD2 port and

the smart gauge. Check the vehicle's ignition status.

- **No OBD Data Displayed:** If your vehicle is not compatible with OBD2 (e.g., electric vehicles, pickup trucks, RVs, or certain modified vehicles), the device will automatically switch to GPS mode. Ensure you are in an open area for GPS signal acquisition.
- **Inaccurate Speed Reading (GPS Mode):** Ensure the device has a clear view of the sky for optimal satellite reception. Speed accuracy may vary slightly based on satellite signal strength.
- **Ambient Light Not Changing:** Check settings to ensure the ambient light function is enabled and not manually turned off.

9. MAINTENANCE

To ensure the longevity and optimal performance of your JTLB AP 6 Smart Gauge Display:

- Clean the display screen with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Keep the device free from dust and moisture.
- Avoid exposing the device to direct sunlight for extended periods, especially in hot climates.
- Ensure the cable connections remain secure.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official JTLB website. Keep your purchase receipt as proof of purchase.

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