Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Lufi ABC001

Lufi X7 Revolution OBD2 Gauge Display User Manual

Model: ABC001 | Brand: Lufi

1. Introduction

The Lufi X7 Revolution OBD2 Gauge Display is a multi-functional electronic instrument cluster designed to monitor your vehicle's performance and provide essential real-time data. It connects to your vehicle's On-Board Diagnostics II (OBD-II) interface to read various Engine Control Unit (ECU) parameters, helping you stay informed about your car's condition and prevent potential issues.

This manual provides detailed instructions for setting up, operating, and maintaining your Lufi X7 device.

2. Vehicle Compatibility

The Lufi X7 Revolution OBD2 Gauge Display is compatible with most vehicles that support the OBD-II standard. Please review the compatibility information below to ensure your vehicle is supported:

- **American Car Brands:** Manufactured after 2008.
- **Japanese and European Car Brands:** Manufactured after 2005.
- **Note:** This device is **not compatible** with any pure electric vehicles.

For specific vehicle brands, refer to the table below. If your vehicle brand or production date falls outside the specified range, the device may not be compatible.



Image: Lufi X7 Vehicle Compatibility Chart. This chart details compatible car brands by region and manufacturing year.

Lufi X7 Vehicle Compatibility Overview

Region	Automobile Manufacturer	Suitable Year
USA	Ford/GM/Chevrolet/Buick/Lincoln/Cadillac/Jeep	2008 after
Europe	Benz/VW/VOLVO/BMW/Smart/MINI/Audi/Land Rover/Skoda/Fiat/Porscahe/Alfaromeo	2005 after
Asia	Lexus/Toyota/Honda/Subaru/KIA/Hyundai/Infiniti/Nissan/Mazda	2005 after

3. Key Features

The Lufi X7 offers a range of features to enhance your driving experience:

- **Real-time ECU Data:** Reads and displays critical vehicle data such as coolant temperature, boost pressure, fuel consumption, vehicle speed, RPM, oil temperature, and more.
- **Multi-Data Display:** The same interface can simultaneously display up to 12 sets of ECU data.
- **Customizable Interface:** Personalize the dashboard interface, display colors, minute pointers, and even the car logo to match your preferences.
- **Diagnostic Trouble Code (DTC) Management:** Read and clear DTCs to diagnose and resolve vehicle issues.
- **Warning System:** Provides visual and audible alerts for critical conditions like high water temperature or low battery voltage.
- **Time Attack Mode:** Track your vehicle's sprint times (e.g., 0-100 km/h, 0-200 km/h, 0-400m).
- **Integrated GPS Functionality:** Includes GPS features for displaying altitude, latitude/longitude, course, pitch, and roll.
- **7 Display Interfaces:** Choose from seven different display layouts to suit your data viewing needs.



Image: Lufi X7 display showing multiple ECU data points like water temperature, altitude, and fuel consumption.

4. Setup

Follow these steps to set up your Lufi X7 Revolution OBD2 Gauge Display:

1. **Mounting:** Securely attach the device to your car dashboard. The product packaging includes a base bracket. It is recommended to use double-sided tape for secure attachment to prevent loosening due to temperature changes, as a suction cup kit is not included.

2. **Connection:** Connect the device to your vehicle's 16-pin OBD-II interface using the provided OBD2 data cable. The OBD-II port is typically located under the dashboard on the driver's side.
3. **Power On:** Once connected, the device should power on automatically when the vehicle's ignition is turned on.
4. **Initial Configuration:** The device may prompt you for initial setup, such as selecting your vehicle type or preferred units. Follow the on-screen instructions.

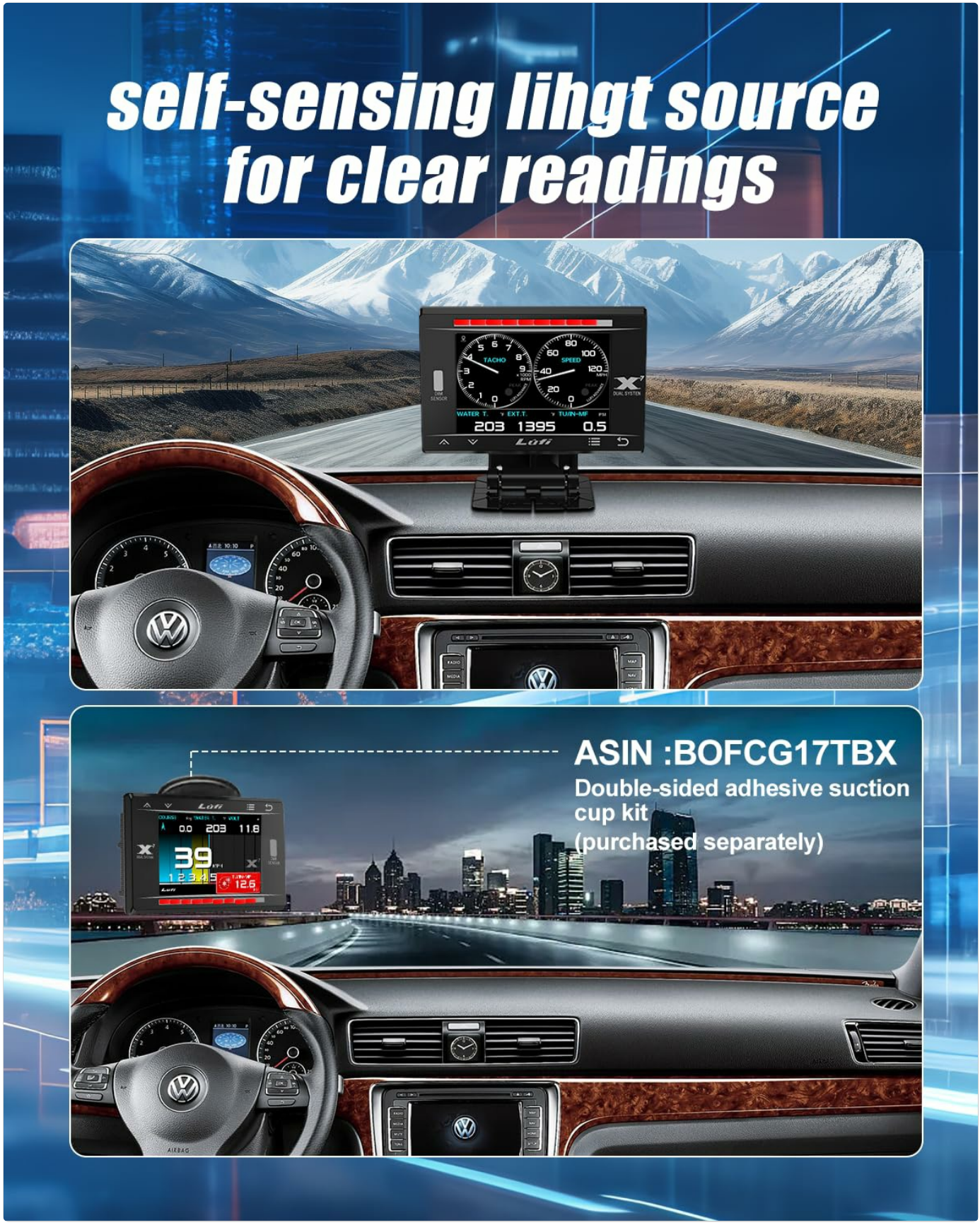


Image: Lufi X7 device mounted on a car dashboard, illustrating typical installation.

5. Operating Instructions

The Lufi X7 features intuitive controls for easy navigation and data access.

5.1. Navigation

Use the buttons on the device to navigate through menus and select options:

- **Up/Down Arrows:** Scroll through menu options or change values.
- **Menu Button:** Access the main menu or confirm selections.
- **Return Button:** Go back to the previous screen or exit a menu.

5.2. Display Modes and Customization

The device offers 7 different display layouts. You can switch between these layouts and customize the data shown:

- **Changing Layouts:** Use the navigation buttons to cycle through the available display interfaces.
- **Data Customization:** Within the settings menu, you can select which ECU data points are displayed on the dashboard interface. You can also change display colors and minute pointers.
- **Car Logo Customization:** The device allows you to customize the car logo displayed on the screen. Refer to the device's internal settings for this option.



Image: Lufi X7 device demonstrating various customizable display layouts and car logos.

5.3. Monitoring Vehicle Data

The Lufi X7 provides real-time monitoring of various parameters:

- **Engine Parameters:** RPM, coolant temperature, oil temperature, exhaust temperature, intake air temperature, boost pressure, fuel pressure, air-fuel ratio, fuel consumption, etc.
- **Vehicle Speed:** Accurate speed readings.

- **Electrical System:** Battery voltage.
- **GPS Data:** Altitude, latitude, longitude, course, pitch, roll.

Your browser does not support the video tag.

Video: Demonstration of the Lufi X7 Revolution OBD2 Gauge Display in operation, showing real-time data display and various customizable layouts.

5.4. Warning System

The device is equipped with a warning system to alert you to critical vehicle conditions:

- **High Water Temperature:** An alert will be triggered if the engine's coolant temperature exceeds a predefined safe limit.
- **Low Battery Voltage:** You will be alerted if the vehicle's battery voltage drops below a safe operating level.
- **Other Overload Alarms:** The device can be configured for various other overload alarms to prevent vehicle damage.

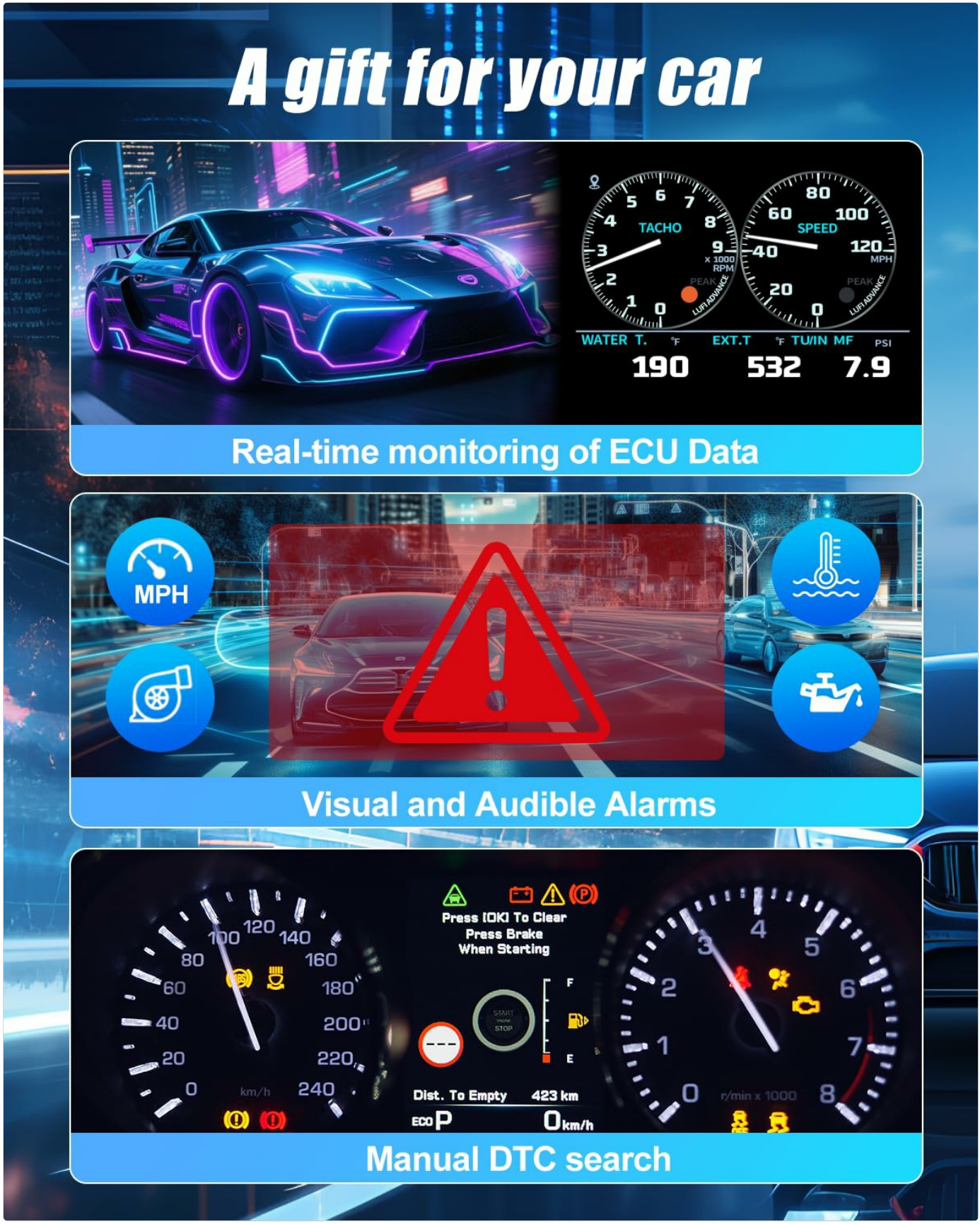


Image: Lufi X7 display showing a visual warning for a critical vehicle condition.

5.5. Diagnostic Trouble Codes (DTCs)

The Lufi X7 allows you to read and clear Diagnostic Trouble Codes (DTCs) from your vehicle's ECU. This helps in identifying and resolving engine or system faults.

- **Read DTCs:** Access the DTCs Data menu to view any stored trouble codes.
- **Clear DTCs:** After addressing a fault, you can clear the DTCs from the system.

5.6. Time Attack Mode

Utilize the Time Attack mode to measure your vehicle's acceleration performance:

- **Start:** Initiate a sprint measurement.
- **Review:** View previous sprint times.
- **Select Mode:** Choose from various sprint modes (e.g., 0-100 km/h, 0-200 km/h, 0-400m).
- **Reset:** Clear recorded sprint times.

6. PID Customization

Parameter ID (PID) customization is crucial for accessing specific data points that may not be displayed by default, such as oil temperature and transmission temperature/pressure. Due to variations across vehicle brands and model years, not all built-in PID commands are universally compatible.

6.1. Testing Built-in PIDs

You can use the corresponding built-in PID commands in the instrument panel to test whether your vehicle supports these data points. Navigate to the PID customization menu and follow the on-screen prompts.

6.2. Custom PID Configuration

If the built-in PID commands for specific data (e.g., Oil Temperature, Transmission Temperature/Pressure) are not compatible with your car, you can obtain the correct PID parameters using a professional vehicle diagnostic tool. Our engineering team can then assist in customizing dedicated PIDs for your device based on these parameters.

6.3. PID Customization Steps (as per visual guide)

1. SETUP MENU
2. USER DATA SETUP
3. DATA AND PID 1ST
4. FILE LOCATION
5. USERP ID
6. Select the corresponding data package of the car brand
7. Select the corresponding AT/OIL PID test
8. REQUEST TEST
9. Data returned correctly. Select "USER DATA SETUP" for data.



Image: Visual guide for PID customization steps on the Lufi X7 device.

7. Maintenance

To ensure the longevity and optimal performance of your Lufi X7 device, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display and exterior of the device. Avoid using harsh chemicals or abrasive materials that could damage the screen or casing.
- **Secure Mounting:** Regularly check that the device is securely mounted to prevent vibrations or accidental dislodgement during driving.
- **Cable Management:** Ensure the OBD2 data cable is not pinched or damaged. Proper cable routing helps prevent wear and tear.
- **Software Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure your device has the latest features and bug fixes.

8. Troubleshooting

If you encounter issues with your Lufi X7, refer to the following common troubleshooting tips:

- **Device Not Powering On:**
  - Ensure the OBD2 cable is securely connected to both the device and the vehicle's OBD-II port.
  - Verify that your vehicle's ignition is on.
  - Check your vehicle's fuse box for any blown fuses related to the OBD-II port.
- **"Searching for Protocol" Message:**
  - This indicates that the device is unable to establish communication with your vehicle's ECU.
  - Confirm your vehicle's compatibility with the Lufi X7 (refer to Section 2).
  - Try restarting the vehicle and the device.

- **Missing Data (e.g., Oil Temp, Transmission Temp):**
  - These data points are not displayed by default on all vehicles.
  - Use the built-in PID commands in the device's menu to test if your vehicle supports these data.
  - If not supported, you may need to obtain custom PID parameters using a vehicle diagnostic tool and contact support for customization (refer to Section 6).
- **Inaccurate Readings:**
  - Ensure the device's settings (e.g., units of measurement) are correctly configured.
  - If readings are consistently inaccurate, there might be an issue with the vehicle's sensors or the device itself. Contact support if the issue persists.
- **Device Freezing or Lagging:**
  - Restart the device by disconnecting and reconnecting the OBD2 cable.
  - Ensure the device's firmware is up to date.

9. Specifications

Specification	Detail
Brand	Lufi
Model Number	ABC001
Material	Plastic
Item Dimensions (L x W x H)	4.34 x 1.07 x 2.88 inches
Item Weight	0.66 Pounds
Voltage	12V
UPC	794969493941
Manufacturer	Wenzhou Xuzhan Electric Co., Ltd.
Included Components	Cable, Base Bracket

10. Warranty

The Lufi X7 Revolution OBD2 Gauge Display comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official Lufi product support channels.

11. Support

For further assistance, technical support, or inquiries regarding PID customization, please contact Lufi customer support through their official website or the contact information provided with your product packaging. When contacting support, please have your product model (ABC001) and any relevant vehicle information ready.

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

Open the live page

https://manuals.plus/asin/B0GHQKGQYF

More documents and user manuals: **https://manuals.plus/**