Lufi Lufi-X1-1

Lufi X1 OBD2 Gauge Display User Manual

Model: Lufi-X1-1

1. Introduction

The Lufi X1 OBD2 Gauge Display is a professional all-in-one car HUD and OBD scanner designed to monitor various vehicle data in real-time. It provides essential driving information and diagnostic capabilities, enhancing safety and vehicle monitoring.
This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Lufi X1 OBD2 Gauge Display.

2. Compatibility

The Lufi X1 OBD2 Gauge Display is compatible with most 2006 and newer OBD2 vehicles, including models from Honda, Toyota, Volkswagen, and Mazda. It is important to note that pre-2006 GM, Ford, Chrysler, and other SAE-J1850 protocol models are not compatible.



Image: Lufi X1 compatibility with various car brands, showing steering wheels from Kia, Hyundai, Nissan, Honda, Toyota, Mazda, and VW, indicating compatibility with most 2006 and newer OBD2 vehicles.

3. What's in the Box

Upon opening the package, please ensure all components are present:

- Lufi X1 OBD2 Gauge Display Unit
- OBD2 Cable
- Mounting Bracket
- User Manual (this document)

4. Setup and Installation

Follow these steps to properly set up and install your Lufi X1 OBD2 Gauge Display:

1. **Locate the OBD2 Port:** The OBD2 port is typically located under the dashboard on the driver's side of the vehicle.

2. **Connect the OBD2 Cable:** Plug one end of the provided OBD2 cable into the vehicle's OBD2 port and the other end into the Lufi X1 display unit.
3. **Mount the Display:** Secure the display unit using the provided mounting bracket. Choose a location on your dashboard that does not obstruct your view of the road or interfere with driving controls.
4. **Power On:** Once connected, the device should power on automatically when the vehicle's ignition is turned on.
5. **Initial Boot-up:** The device will display the Lufi logo and then the main interface.

Your browser does not support the video tag.

Video: Official Lufi X1 OBD2 Gauge setup and display demonstration. This video shows the device powering on, displaying vehicle data, and navigating through various settings and features.

5. Operating Instructions

The Lufi X1 offers a variety of display modes and functions. Use the buttons on the front of the unit to navigate and select options.

5.1. Display Modes and Data Parameters

The device can display over 30 driving data parameters. You can customize the display to show information such as:

- Speed (MPH/KMH)
- Engine RPM (Revolutions Per Minute)
- Water Temperature (°F/°C)
- Voltage (V)
- Turbo Pressure (PSI)
- Fuel Consumption (MPG)
- Air/Fuel Ratio
- Oil Temperature
- Throttle Position
- Air Flow
- And many more.



Image: Lufi X1 multifunctional OBD2 gauge showing various display options including speed, water temperature, turbo/in-mf, air/fuel, 5 system, color adjust, read/clear code, fuel consumption, voltage, warning system, accelerated test, and brake test.



Image: Lufi X1 display showing various data parameters such as fuel consumption, air/fuel, speed, tacho/rpm, turbo/in-mfp, volt, read/clear code, color adjust, and colorful status light. It also highlights alarm functions for temperature, RPM, voltage, turbo, and speed.

5.2. Navigation and Customization

Use the arrow buttons (▲ and ▼) to scroll through menus and options. The center button typically acts as a selection or confirmation button.

- **Display Setup:** Customize the layout and parameters shown on the main screen.
- **Unit Switching:** Switch between metric (km/h, °C) and imperial (MPH, °F) units.
- **Color Adjustment:** Personalize the display colors to your preference.



Image: Lufi X1 main display showing TACHO (RPM), WATER T (Water Temperature), VOLT (Voltage), AIR/FUEL, and TURBO/IN-MF.P. (Turbo/Intake Manifold Pressure) readings, with sequential indicator lights at the top.

5.3. Alarm Functions

The Lufi X1 features an alarm system to alert you to critical vehicle conditions. You can set thresholds for various parameters:

- High Water Temperature Alarm
- Overspeed Alarm
- RPM Alarm
- Turbo Pressure Alarm
- Low Voltage Alarm

When a set threshold is exceeded, the device will provide a visual and/or audible alert to prevent potential engine damage and ensure driving safety.



Image: Lufi X1 display highlighting warning features such as Live Data, Digital Color, Unit Color, Turbo Alarm, RPM Alarm, Temperature Alarm, Voltage Alarm, and Speed Alarm, all designed to prevent overloading and provide customized engine data monitoring status warnings.

5.4. Diagnostic Trouble Code (DTC) Reading and Clearing

The device can read and clear engine fault codes (DTCs). This feature allows you to quickly identify and address potential issues with your vehicle's engine.

- **Read DTCs:** View active and pending diagnostic trouble codes.
- **Clear DTCs:** Erase stored trouble codes from the vehicle's ECU. *Note: Clearing codes does not fix the underlying problem. Ensure the issue is resolved before clearing codes.*

5.5. Performance Tests

The Lufi X1 includes performance testing features:

- 1/4 Mile Acceleration Test
- 0-60 MPH Acceleration Test
- 0-100 MPH Acceleration Test

These tests provide data on your vehicle's acceleration performance.

6. Maintenance

To ensure the longevity and optimal performance of your Lufi X1 OBD2 Gauge Display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display screen and unit. Avoid abrasive cleaners or solvents that may damage the surface.
- **Storage:** If storing the device for an extended period, disconnect it from the OBD2 port and store it in a cool, dry place.
- **Software Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure the device has the latest features and bug fixes.
- **Polarized Sunglasses:** Be aware that wearing polarized sunglasses may cause the TFT display screen to appear blurred. For a better viewing experience, it is not recommended to wear polarized sunglasses while viewing the display.



Image: Lufi X1 display as seen through polarized sunglasses, appearing blurred, with a warning that it is not suitable for viewing with polarized sunglasses.

7. Troubleshooting

If you encounter issues with your Lufi X1 OBD2 Gauge Display, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Loose OBD2 cable connection; vehicle ignition off; incompatible vehicle.	Ensure the OBD2 cable is securely connected. Turn the vehicle ignition to the ON position. Verify vehicle compatibility (2006+ OBD2 compliant).
Display is blurred or unreadable.	Wearing polarized sunglasses; screen protector issues.	Remove polarized sunglasses. Check if any screen protector is improperly applied.
Inaccurate data readings.	Incorrect unit settings; vehicle-specific data variations.	Check unit settings (metric/imperial). The system has data fine-tuning functions for specific car models (Honda, Toyota, VW, Mazda). Consult the advanced settings for calibration if available.
Device frequently crashes or shows black screen.	Software glitch; incompatible vehicle protocol.	Ensure vehicle compatibility. Try disconnecting and reconnecting the device. Check for firmware updates from Lufi.
Alarms not functioning.	Alarm thresholds not set or incorrectly configured.	Navigate to the "Warning Setup" menu and configure the desired alarm thresholds.

8. Specifications

Feature	Detail
Brand	Lufi
Model	Lufi-X1-1
Screen Size	3.8 Inches
Material	Metal
Item Dimensions (L x W x H)	3.8 x 0.95 x 3.05 inches
Item Weight	0.317 ounces
UPC	749355983209
Country of Origin	China
Included Components	OBD2 cable

9. Warranty and Support

The Lufi X1 OBD2 Gauge Display comes with a **1-year manufacturer's warranty**. For warranty claims, technical support, or further inquiries, please contact Lufi customer service through their official channels.
For more information and support, visit the official Lufi website or contact your retailer.

© 2025 Lufi. All rights reserved.

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