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Head Up Display C100 Car HUD OBD2 Speedometer Instruction Manual

Brand: Head Up Display | Model: C100

1. PRODUCT OVERVIEW

The C100 Head Up Display (HUD) is an advanced vehicle speedometer designed to project essential driving information directly into the driver's line of sight. This device connects via the OBD2 interface, providing real-time data such as driving speed, voltage, driving distance, and water temperature. It features a unique reflective glass display for clear visibility without double images, even in direct sunlight.



Image 1.1: Front view of the C100 Head Up Display showing digital speed and status icons.

2. COMPATIBILITY

This device is compatible with vehicles manufactured in or after 2010 that comply with the OBD II or EU OBD standard. Before installation, verify your vehicle's compatibility by checking for an "OBD II certified" sticker under the engine hood.

3. KEY FEATURES

- **High-Definition Reflective Glass:** Provides clear, stereo imaging without the need for a separate reflective film, eliminating double images.
- **Plug & Play Installation:** Simple connection to the vehicle's OBD2 port.
- **Multi-Function Display:** Shows driving speed, voltage, single driving distance, and water temperature.
- **Multiple Display Modes:** Four distinct display modes are available for user preference.
- **Automatic/Manual Brightness Adjustment:** Ensures optimal visibility in varying light conditions, from bright sunlight to night driving.
- **Comprehensive Alarm System:** Includes high water temperature alarm, low battery voltage alarm, shift reminder, over-speed alarm, fatigue driving alert, and engine fault code reminder.
- **Unit Switching:** Supports both Kilometers per Hour (KM/H) and Miles per Hour (MPH).

From fighter

HUD HD Head-up Display

simple x HD x No ghosting



Image 3.1: Visual representation of the C100 HUD's key display functions.

4. SETUP INSTRUCTIONS

1. **Locate OBD2 Port:** Identify your vehicle's OBD2 diagnostic port, typically located under the dashboard on the driver's side.
2. **Connect Device:** Plug the provided OBD2 cable into the vehicle's OBD2 port and then connect the other end to the C100 HUD unit.
3. **Position the HUD:** Place the HUD unit on your dashboard in a position that allows for a clear view of the reflective display without obstructing your view of the road. Ensure the unit is stable.
4. **Power On:** Start your vehicle's engine. The HUD unit should power on automatically and begin displaying information.

Levitate imaging

Floating virtual display with free-form technology and optical coating
Correct image distortion, high-definition image without ghosting.



Image 4.1: Diagram explaining the levitate imaging principle for the HUD's display.

5. OPERATING INSTRUCTIONS

5.1 Display Modes

The C100 HUD offers four distinct display modes. Use the 'M' button on the device to cycle through these modes and select your preferred information layout. The modes typically include combinations of speed, voltage, water temperature, and driving distance.

5.2 Unit Switching

To switch between Kilometers per Hour (KM/H) and Miles per Hour (MPH), refer to the device's settings menu, usually accessed by a long press or specific sequence of button presses. Consult the quick start guide for precise button functions.

5.3 Brightness Adjustment

The device features automatic brightness adjustment, adapting to ambient light conditions. Manual adjustment options are also available to fine-tune the display brightness for personal comfort. Refer to the quick start guide for instructions on manual brightness control.



Image 5.1: The C100 HUD displaying speed in Km/H along with icons for various data points.

6. ALARM FUNCTIONS

The C100 HUD is equipped with several alarm functions to enhance driving safety and awareness:

- **High Water Temperature Alarm:** Alerts the driver if the engine's water temperature exceeds a safe limit.
- **Low Battery Voltage Alarm:** Notifies the driver of critically low vehicle battery voltage.
- **Shift Reminder:** Provides an indication for optimal gear shifting.
- **Over-Speed Alarm:** Warns the driver when a pre-set speed limit is exceeded.

- **Fatigue Driving Alert:** Reminds the driver to take a break after extended driving periods.
- **Engine Fault Code Reminder:** Displays an alert if the vehicle's engine control unit (ECU) detects a fault.

7. MAINTENANCE

To ensure the longevity and optimal performance of your C100 HUD, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the display and exterior of the unit. Avoid abrasive cleaners or solvents that could damage the surface.
- **Storage:** If the device is not in use for an extended period, disconnect it from the OBD2 port and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Impact:** Protect the device from drops or impacts, as this can damage internal components or the reflective glass.

8. TROUBLESHOOTING

If you encounter issues with your C100 HUD, consider the following common solutions:

- **No Display:** Ensure the OBD2 cable is securely connected to both the vehicle's port and the HUD unit. Verify the vehicle's engine is running. Check if your car is OBD II compliant and made after 2010.
- **Incorrect Readings:** Confirm the correct unit (KM/H or MPH) is selected. If readings are consistently inaccurate, ensure the device is properly calibrated (refer to the quick start guide for calibration steps, if available).
- **Double Image:** The C100 is designed to prevent double images due to its built-in reflective glass. If you observe a double image, ensure the unit is positioned correctly and the display surface is clean.
- **Alarms Not Functioning:** Check the device settings to ensure specific alarms are enabled. Verify that the vehicle's sensors are functioning correctly.

For persistent issues or problems not covered here, please contact customer support.

9. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Head Up Display
Model	C100
Color	Black
Material	Plastic

Feature	Specification
Item Weight	160 g
Product Dimensions (L x W x H)	9.5 x 6.2 x 4.9 cm
Interface	OBD2
Display Type	HD Reflective Glass

Product size



Image 9.1: Dimensions of the C100 Head Up Display unit.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your C100 Head Up Display, please refer to the contact details provided with your purchase or visit the official Head Up Display brand website. Our customer care team is available to assist you with any questions or concerns.

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