

[Manuals.plus](#) /

› [ACECAR](#) /

› ACECAR Head Up Display Car Universal Dual System 3.5 Inches HUD Instruction Manual

## ACECAR M7

# ACECAR Head Up Display Car Universal Dual System 3.5 Inches HUD

Model: M7 | Brand: ACECAR

## INTRODUCTION

The ACECAR Head Up Display (HUD) projects essential driving data directly onto your front windshield, allowing you to monitor critical information without diverting your gaze from the road. This enhances driving safety and helps maintain optimal focus. The M7 HUD features a dual system (OBD2 + GPS) for broad compatibility across various vehicle types. It offers a variety of operating interface modes and customizable colors, adding a modern and technological touch to your driving experience.

Key displayed data includes vehicle speed, engine RPM, water temperature, voltage, and single mileage. The device is designed for ease of use with plug-and-play functionality for most vehicles manufactured after 2008 (OBD2 mode) and universal compatibility via GPS mode for all other vehicles.

## WHAT'S IN THE BOX

Upon unboxing your ACECAR M7 HUD, you will find the following components:

- M7 Head Up Display Unit
- USB Cable
- OBD Cable
- Non-slip Mat
- Reflective Film
- User Manual



[Buy Now](#)

Image: Components included in the ACECAR M7 Head Up Display package.

## SETUP

### Placement

Place the HUD unit on your dashboard in a position that allows for clear projection onto the windshield without obstructing your view of the road. Use the provided non-slip mat to secure the device.



Image: The ACECAR HUD unit positioned on a car dashboard, displaying information on the windshield.

## Connection

The M7 HUD supports two modes: OBD2 and GPS. Choose the appropriate connection method for your vehicle.

### OBD2 Mode (Recommended for compatible vehicles)

Connect the OBD cable to your vehicle's OBD2 port, typically located under the dashboard on the driver's side. Then, connect the other end of the OBD cable to the HUD unit. The device will automatically power on and attempt to connect to your vehicle's system.

### GPS Mode (For all vehicles, or if OBD2 is incompatible)

If your car is not compatible with OBD2 mode (e.g., hybrid electric vehicles, diesel cars, pickup trucks, RVs, computer-modified cars), or if you prefer GPS mode, connect the USB cable to the HUD unit and plug the other end into a USB power source in your vehicle (e.g., a USB port or a car charger adapter). The HUD will automatically switch to GPS mode within 5 seconds after powering on if no OBD2 signal is detected.



*Image: The ACECAR HUD is compatible with a wide range of vehicles, including cars, pickups, trucks, and SUVs.*

## Reflective Film Application (Optional)

If you experience a double image or ghosting on your windshield, apply the provided reflective film. Clean the area of the windshield where the HUD projects. Carefully peel off the protective layer from the film and apply it smoothly to the glass, ensuring no air bubbles. This film helps to clarify the projected image.

## OPERATING INSTRUCTIONS

### Dual System Functionality

The M7 HUD automatically detects your vehicle's system. If an OBD2 connection is established, it will operate in OBD2 mode. If not, it will default to GPS mode. You can manually switch between modes using the scroll wheel button within 5 seconds of powering on the HUD.



*Image: Comparison of data displayed in OBD mode (speed, water temperature, voltage, satellite numbers, driving distance) versus GPS mode (speed, voltage, satellite numbers).*

## Display Functions

The HUD displays various driving parameters. The specific data available depends on the mode of operation:

- **OBD Mode:** Speed, Water Temperature, Battery Voltage, Engine RPM, Driving Distance, Fault Code Alarm.

- **GPS Mode:** Speed, Battery Voltage, Satellite Numbers, Driving Distance.

The device features a light sensor that automatically adjusts brightness according to ambient light conditions, ensuring optimal visibility day or night. You can also manually adjust brightness.

## Alarm Functions

The M7 HUD includes several alarm features to enhance safety:

- **Overspeed Warning:** Alerts you when exceeding a preset speed limit.
- **Engine RPM Alarm:** Notifies you if engine RPMs are too high.
- **Water Temperature Alarm:** Warns of engine overheating.
- **Voltage Alarm:** Indicates low or high battery voltage.
- **Fatigue Driving Alarm:** Reminds you to take a break after prolonged driving.



[Buy Now](#)

*Image: Visual representation of the alarm functions available on the HUD.*

## Display Modes

The HUD offers various display modes to suit user preferences, allowing you to customize the information presented on the screen. These modes can be cycled through using the control button on the device.



[Buy Now](#)

*Image: A selection of 12 different screen display modes, offering various data combinations and layouts.*

## MAINTENANCE

---

To ensure the longevity and optimal performance of your ACECAR M7 HUD, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the display screen and the unit's exterior. Avoid abrasive cleaners or solvents that could damage the surface.
- **Reflective Film Care:** If you have applied the reflective film, clean it gently with a soft, damp cloth. Do not scratch or peel the film.
- **Storage:** If storing the device for an extended period, disconnect it from the vehicle and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are not pinched or tangled, which could lead to damage.

## TROUBLESHOOTING

---

If you encounter issues with your ACECAR M7 HUD, refer to the following common problems and solutions:

| Problem                                   | Possible Cause / Solution                                                                                                                                                                                                                                                                   |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HUD does not power on.                    | Check the OBD or USB cable connection. Ensure the vehicle's ignition is on. If using OBD mode, verify your car is compatible (manufactured after 2008). Try switching to GPS mode if OBD mode fails.                                                                                        |
| Inaccurate speed display.                 | The HUD's speed may need calibration. Refer to the user manual for instructions on adjusting the speed ratio. GPS mode is generally more accurate than OBD for speed.                                                                                                                       |
| Double image / Ghosting on windshield.    | This is due to the multi-layered structure of the windshield. Apply the provided reflective film to the projection area to eliminate the double image.                                                                                                                                      |
| Display flickers, freezes, or shuts off.  | Check for loose cable connections. Ensure a stable power supply. If in OBD mode, verify the vehicle's electrical system is stable.                                                                                                                                                          |
| Settings reset after turning off the car. | Some vehicles may cut power to the OBD port immediately upon ignition off, causing the HUD to lose settings. Refer to the manual for specific voltage settings (e.g., setting voltage to 13.2V for RAM Classic owners as noted in reviews) to ensure proper auto-off and setting retention. |
| Causes Diagnostic Trouble Codes (DTCs).   | Rarely, the HUD might interfere with the CAN bus. If DTCs appear, disconnect the HUD, clear the codes with an OBD scanner, and re-evaluate. Ensure proper installation.                                                                                                                     |
| Mounting adhesive is ineffective.         | Use the provided non-slip mat. Ensure the dashboard surface is clean and dry before placement. The mat is designed to prevent movement without permanent adhesion.                                                                                                                          |

For further assistance, please consult the detailed user manual or contact ACECAR customer support.

SPECIFICATIONS

| Feature            | Detail                                   |
|--------------------|------------------------------------------|
| Product Dimensions | 35.43 x 21.26 x 4.72 inches; 7.83 ounces |
| Item Model Number  | M7                                       |
| Manufacturer       | WeiLai                                   |
| ASIN               | B07NQ9LTGX                               |
| Country of Origin  | China                                    |
| Material           | Plastic                                  |

| Feature     | Detail       |
|-------------|--------------|
| Screen Size | 3 Inches     |
| UPC         | 749789252018 |

## WARRANTY AND SUPPORT

---

The ACECAR M7 Head Up Display comes with CE, FCC, and RoHS certifications, ensuring superior quality and compliance with international standards. The product is built with a powerful chip, dual system, dual-run memory, and a dual-core processor for high-speed operation and compatibility.

For any questions, technical support, or warranty claims regarding this product, please contact ACECAR customer service. We are committed to providing prompt assistance and resolving any issues you may encounter.