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› [ACECAR](#) /

› [ACECAR M2 Heads Up Display User Manual](#)

## ACECAR M2

# ACECAR M2 Heads Up Display User Manual

Universal Windshield Projection HUD Digital GPS Speedometer

## 1. INTRODUCTION

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The ACECAR M2 Heads Up Display (HUD) is a universal digital GPS speedometer designed to project essential driving information directly onto your vehicle's windshield. This device enhances driving safety by allowing you to monitor speed and other data without diverting your eyes from the road. Utilizing a GPS+BDS dual-mode chip, it provides accurate and real-time information suitable for all types of vehicles.



*Image 1.1: The ACECAR M2 Heads Up Display unit, showcasing its compact design and green digital readout.*

## **2. PRODUCT OVERVIEW**

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### **2.1. Package Contents**

Upon opening the package, please verify that all the following items are included:

- ACECAR M2 Heads Up Display Unit
- Type-C USB Power Cable
- Reflective Film
- English Instruction Manual
- 3M Adhesive Sticker

# Product accessories



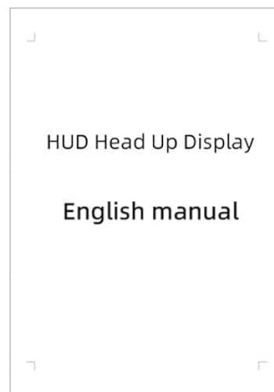
M2-head-up display



Type-c USB cable



Reflective film



English manual



3M Sticker

Image 2.1: All components included in the ACECAR M2 Heads Up Display package.

## 2.2. Key Features

The ACECAR M2 HUD offers several features designed for convenience and safety:

- **Improved Safety:** Projects vital information like speed directly into your line of sight, reducing the need to look down at the dashboard.
- **High Refresh Rate:** Equipped with a 10Hz GPS+BDS dual-mode chip for fast and accurate speed updates without delay.
- **Clear Display:** Features large font size and metal nano-technology on the front panel to minimize reflections, ensuring readability even in bright sunlight.
- **Night Driving Friendly:** Integrated sunshade design effectively blocks glare and excessive brightness for comfortable nighttime use.
- **Compact Design:** Small footprint allows for flexible placement on the dashboard without obstructing the driver's view.
- **Safe Power Supply:** Powered via a standard 5V USB connection, automatically turning off with the vehicle's engine.

### 3. SETUP AND INSTALLATION

Follow these steps to properly set up and install your ACECAR M2 HUD:

1. **Choose Placement:** Select a suitable flat area on your dashboard that does not obstruct your view of the road. The compact design allows for placement in various corners.
2. **Secure the Unit:** Use the provided 3M adhesive sticker to firmly attach the HUD unit to the chosen dashboard location. Ensure the surface is clean and dry before applying the sticker.
3. **Apply Reflective Film (Optional but Recommended):** For optimal clarity and to reduce double images, especially on certain windshield types, apply the reflective film to the inside of your windshield directly above where the HUD will project. Clean the windshield thoroughly before application.
4. **Connect Power:** Connect the Type-C end of the USB power cable to the HUD unit and the standard USB end to your vehicle's USB port (5V) or a cigarette lighter adapter with a USB output. The unit will power on automatically when the vehicle starts and power off when the engine is shut down.



Image 3.1: Illustrates connecting the USB power cable to the vehicle's power source.

# Small compact body suitable for placement

Suitable for placing any corner, not affecting the driver's sight



Image 3.2: Demonstrates the compact size of the HUD, allowing for discreet placement on the dashboard.

## 4. OPERATING INSTRUCTIONS

Once installed and powered on, the ACECAR M2 HUD will automatically begin displaying information. No complex configuration is typically required for basic speed display.

### 4.1. Automatic Operation

The HUD uses GPS and BDS satellite signals to determine your vehicle's speed. After powering on, it will acquire satellite signals, which may take a few moments, especially in areas with limited sky visibility. Once connected, your current speed will be displayed.

### 4.2. Display Features

- **Speed Display:** Shows your current speed in MPH (Miles Per Hour) or Km/H (Kilometers Per Hour). The unit is designed to display MPH by default for the US market.
- **Clarity:** The display is designed for high visibility in various lighting conditions. The metal nano-technology helps reduce glare during the day.
- **Night Mode:** The integrated sunshade and automatic light sensor adjust display brightness for optimal

visibility and reduced distraction during night driving.

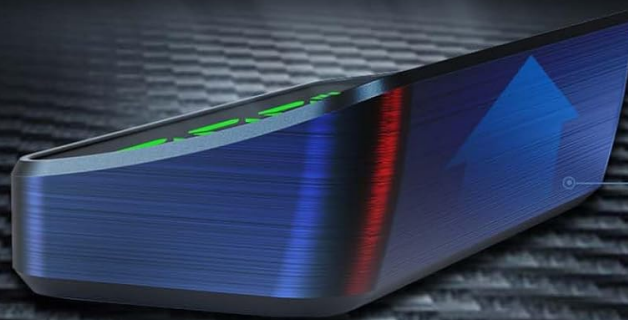


*Image 4.1: The HUD displaying speed on the dashboard, with the road visible ahead.*

# Comes with hood, Integrated design

Cover the lights of the display panel, no dazzling when driving at night

126  
MPH  
Km/H



Comes with hood

Image 4.2: The HUD in operation at night, highlighting its integrated hood for glare reduction.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your ACECAR M2 HUD, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry, or slightly damp cloth to clean the exterior of the HUD unit. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the surface.
- **Windshield Film:** If using the reflective film, ensure it remains clean and free of smudges. Clean it gently with a soft, lint-free cloth.
- **Cable Care:** Periodically check the USB power cable for any signs of wear or damage. Replace if necessary to prevent power interruptions.
- **Temperature:** Avoid exposing the unit to extreme temperatures for extended periods. While designed for automotive use, prolonged exposure to direct sunlight in a parked car on a very hot day, or extreme cold, can affect its lifespan.

## 6. TROUBLESHOOTING

If you encounter issues with your ACECAR M2 HUD, refer to the following troubleshooting tips:

- **No Display/Unit Not Powering On:**

- Ensure the USB cable is securely connected to both the HUD unit and the vehicle's power source.
- Verify that the vehicle's USB port or cigarette lighter adapter is providing power (some vehicle ports only activate when the engine is running).
- Try a different USB port or power adapter if available.

- **No Speed Display/GPS Signal Not Found:**

- Ensure the vehicle is outdoors with a clear view of the sky. GPS signals cannot be acquired indoors or in tunnels.
- Wait a few minutes for the unit to acquire satellite signals. Initial acquisition may take longer.
- Relocate the HUD unit to a position on the dashboard that offers a less obstructed view of the sky.

- **Inaccurate Speed Reading:**

- GPS speedometers rely on satellite data, which can sometimes have minor discrepancies compared to vehicle's internal speedometer due to tire size, calibration, or signal variations.
- Ensure the unit has a strong GPS signal.

- **Double Image on Windshield:**

- This is common on some laminated windshields. Apply the provided reflective film to the windshield where the display is projected to eliminate the double image.

- **Display Too Dim/Bright:**

- The unit features an automatic light sensor. Ensure the sensor area (typically on the front of the unit) is not obstructed.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	M2
Product Dimensions (L x W x H)	3.5 x 1.75 x 0.5 inches (9.0 x 4.5 x 1.4 cm)
Item Weight	5.11 ounces
Material	Plastic
Power Supply	USB 5V
Positioning System	GPS+BDS Dual-Mode Chip
Refresh Rate	10Hz



Image 7.1: Detailed dimensions of the ACECAR M2 Heads Up Display unit.

## 8. WARRANTY AND SUPPORT

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For information regarding product warranty, returns, or technical support, please refer to the purchase platform or contact ACECAR customer service directly. A 30-day return policy is typically offered for this product. You can visit the official ACECAR store for additional product information and support: [ACECAR Store on Amazon](#).