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› ACECAR T4 Heads Up Display User Manual for Tesla Model 3 and Model Y

ACECAR T4

ACECAR T4 Heads Up Display User Manual

For Tesla Model 3 and Model Y

1. INTRODUCTION

Thank you for choosing the ACECAR T4 Heads Up Display (HUD). This device is designed to enhance your driving experience by projecting essential vehicle data directly onto your windshield, allowing you to keep your eyes on the road. The T4 HUD is specifically compatible with Tesla Model 3 and Model Y vehicles, providing real-time synchronization of critical information such as speed, battery percentage, gear display, clock, and various warning indicators.

2. SAFETY INFORMATION

- Ensure the HUD is securely mounted and does not obstruct your view of the road or interfere with vehicle controls.
- Do not attempt to disassemble or modify the device. This may void the warranty and pose a safety risk.
- Keep the device away from extreme temperatures, direct sunlight for prolonged periods, and moisture.
- Always prioritize safe driving. Adjust settings or view detailed information only when the vehicle is stationary and it is safe to do so.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- ACECAR T4 Heads Up Display Unit
- Non-slip Mat
- Reflective Film
- Connection Cable
- Installation Crowbar Tool
- User Manual (this document)

Product accessories



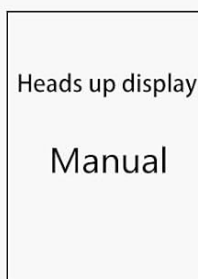
【T4-HUD】



【Non-slip mat】



【Reflective film】



【Manual】



【Cable】



【Crowbar】

Figure 3.1: Included Accessories

The image above illustrates the typical contents of the ACECAR T4 HUD package. Ensure all listed items are present before proceeding with installation.

4. PRODUCT OVERVIEW

The ACECAR T4 HUD features a 4.3-inch LCD display designed for clear projection of various vehicle data. It includes intuitive controls for adjusting display settings.

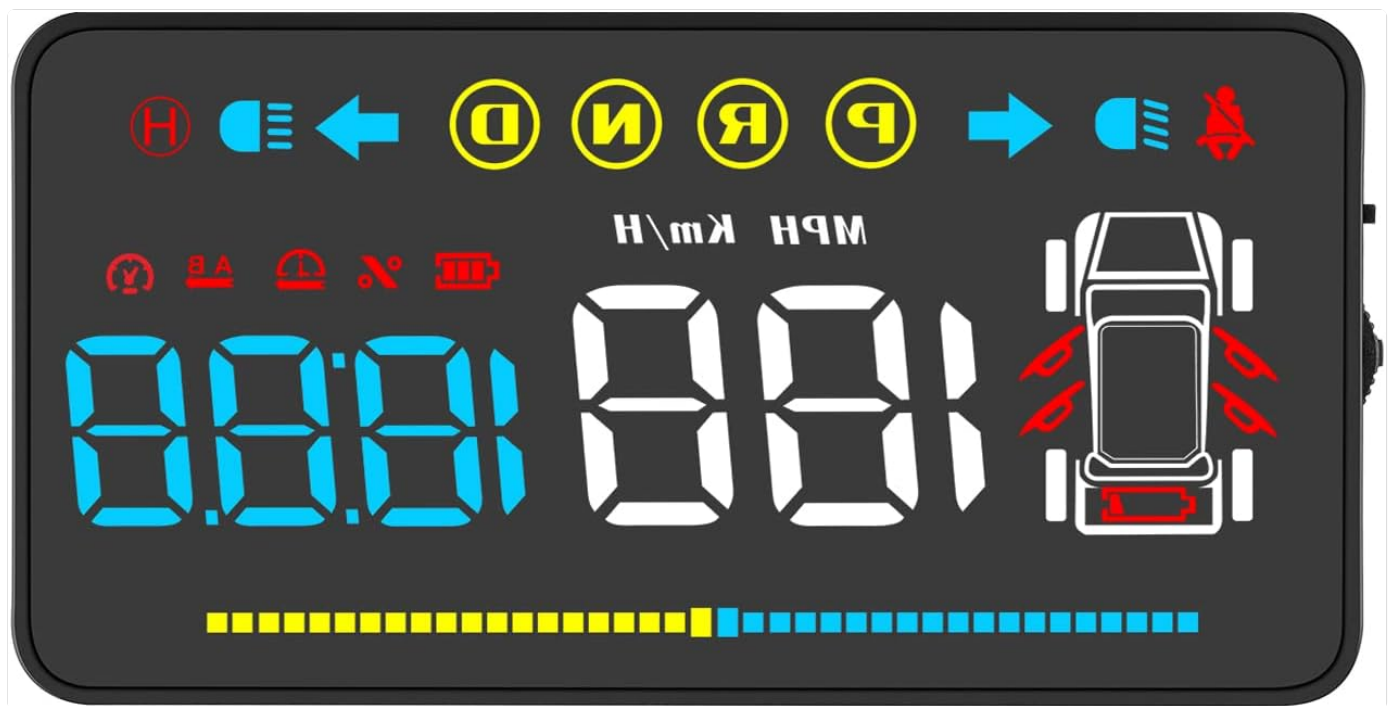


Figure 4.1: ACECAR T4 HUD Unit

This image displays the main unit of the ACECAR T4 HUD, highlighting its digital display area where information is projected.



Figure 4.2: Displayed Data Icons

Figure 4.2 provides a detailed breakdown of the icons and data points that can be displayed on the HUD, such as speed, clock, gear, battery level, driving time, mileage, door status, lighting indicators (low/high beam), seat belt reminder, brake warning, and turn signals.



Figure 4.3: Product Dimensions

This image illustrates the compact dimensions of the T4 HUD, measuring approximately 102mm (4.02 inches) in length and 53mm

(2.09 inches) in width, making it suitable for placement on the dashboard without obstructing view.

5. SETUP AND INSTALLATION

The ACECAR T4 HUD is designed for plug-and-play, non-destructive installation in Tesla Model 3 and Model Y vehicles.

5.1 Placement

1. Choose a suitable location on your dashboard, typically behind the steering wheel, where the HUD will not obstruct your view or interfere with airbags.
2. Clean the dashboard surface thoroughly to ensure proper adhesion of the non-slip mat.
3. Place the non-slip mat on the chosen location.
4. Position the T4 HUD unit on the non-slip mat.

5.2 Reflective Film Installation (Optional)

For optimal clarity, especially in bright conditions, you may install the reflective film on your windshield.

1. Clean the inner surface of your windshield where the projection will appear.
2. Lightly spray water on the cleaned area.
3. Carefully apply the reflective film, smoothing out any air bubbles with a soft cloth or squeegee.
4. Allow the film to dry completely before use.

5.3 Power Connection

1. Locate the appropriate port in your Tesla Model 3 or Model Y for connecting the HUD cable. This is typically a hidden port near the center console or behind the dashboard trim.
2. Use the provided installation crowbar tool to gently pry open any necessary trim panels to access the port.
3. Connect one end of the supplied cable to the HUD unit and the other end to the vehicle's port.
4. Route the cable neatly to avoid obstruction and secure it if necessary.
5. Once connected, the HUD will power on automatically with the vehicle's ignition. It also features an on/off button for manual control if desired.



Figure 5.1: Installed HUD in Tesla

This image demonstrates the typical appearance of the T4 HUD installed in a Tesla Model 3 or Y, showing the projected data on the windshield and emphasizing its non-destructive installation method.

6. OPERATING INSTRUCTIONS

The ACECAR T4 HUD provides a user-friendly interface for displaying and customizing vehicle data.

6.1 Automatic Operation

Once connected, the HUD will automatically power on and off with your vehicle's ignition, synchronizing with the car's data system.

6.2 Displayed Information

The HUD can display a comprehensive range of data from your Tesla, including:

- **Speed:** Current driving speed.
- **Remaining Battery Percentage:** Real-time battery level.
- **Gear Display:** Current gear (P, R, N, D).
- **Clock:** Current time.
- **Seat Belt Indicator:** Reminder to fasten seat belts.
- **Turn Signal:** Left and right turn indicators.
- **Clearance Light:** Status of clearance lights.
- **High Beam/Low Beam:** Status of headlights.
- **Fog Light:** Status of fog lights.
- **Brake Warning Light:** Indication of brake system issues.

- **Door Reminder:** Alerts if a door is ajar.
- **Driving Time:** Duration of current drive.
- **Mileage:** Distance traveled.



Figure 6.1: HUD Projection Display

This image illustrates how the HUD projects data onto the windshield, making it easy to read while driving. Key data points such as speed, remaining power, and driving time are clearly visible.

6.3 Switching Display Modes

The T4 HUD allows you to switch between multiple display screens and customize the data shown using its independent stereo keys. Refer to the device's physical buttons for navigation and selection.

Multiple screens one key switch

Connect to the original car line, Display the original car data,
Including speed/power/gear position and multiple upgrade alarm functions

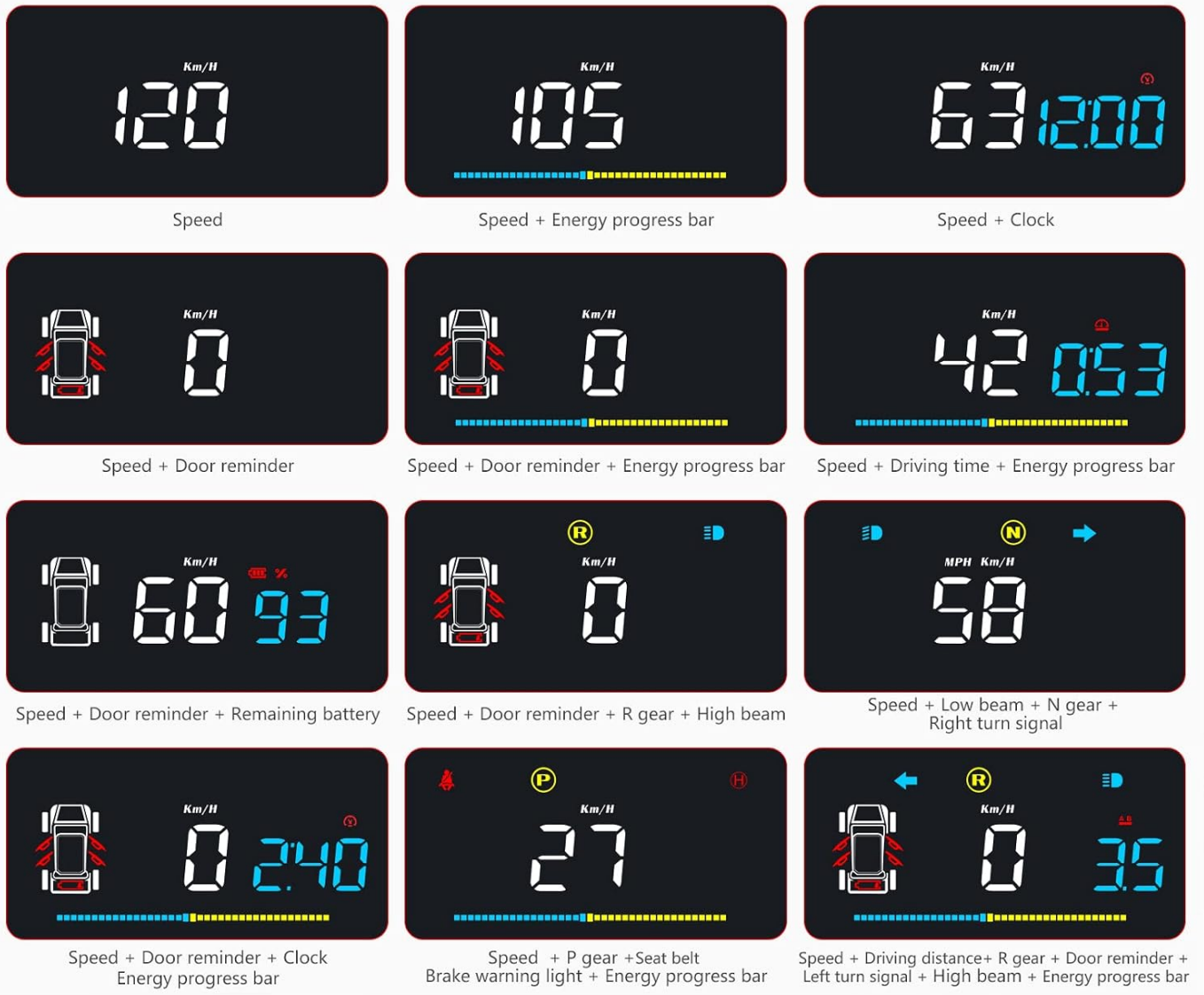


Figure 6.2: Multiple Screen Configurations

Figure 6.2 demonstrates the variety of display configurations available, allowing users to select the information most relevant to their driving needs, such as speed with energy bar, speed with clock, or combinations including door reminders and battery status.

7. MAINTENANCE

To ensure the longevity and optimal performance of your ACECAR T4 HUD, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the display screen and the unit's exterior. Avoid using abrasive cleaners, solvents, or spray directly onto the device.
- **Storage:** If storing the vehicle for an extended period, it is recommended to disconnect the HUD. Store it in a cool, dry place away from direct sunlight.
- **Cable Care:** Ensure the connection cable is not pinched or subjected to excessive tension, which could damage the wiring.

8. TROUBLESHOOTING

If you encounter issues with your ACECAR T4 HUD, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
HUD does not power on.	Loose cable connection; Vehicle ignition off; Device switch off.	Check cable connection; Ensure vehicle is on; Verify device's on/off switch is in the 'on' position.
No data displayed or incorrect data.	Improper connection to vehicle's data port; Software glitch.	Ensure cable is securely connected to the correct port; Try restarting the vehicle and HUD; Contact customer support if issue persists.
Projection is dim or unclear.	Too much ambient light; Reflective film not installed or dirty; Display brightness setting.	Adjust display brightness via device controls; Install or clean reflective film; Avoid direct sunlight on the display area.
Ghosting or double image on windshield.	Reflective film not used; Windshield angle.	Install the provided reflective film; Adjust the angle of the HUD unit slightly.

If you encounter a problem not listed here or if the suggested solutions do not resolve the issue, please contact ACECAR customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model	T4
Brand	ACECAR
Compatible Vehicles	Tesla Model 3, Tesla Model Y
Display Type	LCD
Screen Size	4.3 Inches
Color	Multicolor
Item Weight	9.1 ounces
Package Dimensions	6.61 x 5.31 x 1.65 inches

10. WARRANTY AND SUPPORT

ACECAR is committed to providing quality products. This product comes with CE FCC RoHS Certification, ensuring superior quality and compliance with safety standards.

For any questions or concerns regarding your ACECAR T4 Heads Up Display, please do not hesitate to contact our customer service team. We are dedicated to assisting you and resolving any issues you may encounter as quickly as possible. Please refer to your purchase documentation or the ACECAR official website for specific warranty terms and contact information.

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