

Novozopai Model Y/3 Head Up Display

Novozopai Tesla Model Y/3 Head Up Display User Manual

Model: Tesla Model Y/3 Head Up Display

Brand: Novozopai

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Novozopai Tesla Model Y/3 Head Up Display. This display is specifically designed to integrate seamlessly with Tesla Model Y (2020-2023+) and Model 3 (2016-2023+) vehicles, supporting both Intel Atom and AMD Ryzen CPUs. It enhances your driving experience by providing essential vehicle information directly in your line of sight, reducing the need to look away from the road.

2. KEY FEATURES

- **Online OTA Upgrade:** Ensures your display always has the latest software updates directly from the cloud.
- **Tesla CarPlay & Android Auto:** Supports Apple Wireless CarPlay and Wired/Wireless Android Auto. Features full-screen and split-screen display options.
- **Sync-Information:** Automatically synchronizes with original car central control screen information, including speed, gear, electricity, light status, safety distance, door status, speed limit warning, and tire pressure warning.
- **Multi-Control Methods:** Easily control the display via touch screen, mobile phone, steering wheel controls, or voice assistants (Siri/Google). Includes built-in Bluetooth/WiFi connectivity and a Type-C slot.
- **9-inch IPS Touch Screen:** Features a 1920*720 resolution 2.5D touch screen with an ultra-thin narrow edge design for a perfect fit.
- **Day/Night Mode:** Automatically switchable and brightness adjustable for optimal visibility in varying light conditions.
- **Three Interface Designs:** Switchable interface designs within the Linux system.

3. WHAT'S IN THE BOX

Upon unboxing your Novozopai Head Up Display, you should find the following components:

- 9-inch IPS Touch Screen Display Unit
- Power Cable Harness
- Installation Tools (e.g., pry tool, screws, mounting bracket)
- User Manual

What's in the Box



Image: All components included in the Novozopai Head Up Display package.

Your browser does not support the video tag.

Video: Unboxing and packaging contents of the Novozopai Tesla Model Y/3 Head Up Display.

4. INSTALLATION GUIDE

The Novozopai Head Up Display is designed for non-destructive installation. Please follow these steps carefully. It is recommended to watch the full installation video before beginning.

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Video: Detailed installation guide for the Tesla Model Y/3 Head Up Display.

1. **Preparation:** Ensure your vehicle is powered off and safe for work. Gather all tools provided and review the installation video.
2. **Remove Side Panel:** Carefully use the provided pry tool to remove the side panel on the driver's side

dashboard, near the door. (Refer to video timestamp 0:03)

3. **Remove Lower Panel:** Remove the lower panel beneath the dashboard to access wiring. (Refer to video timestamp 0:19)
4. **Disconnect Cables:** Locate and disconnect the necessary cables from the vehicle's existing wiring harness. (Refer to video timestamp 0:32)
5. **Connect New Harness:** Connect the provided display harness to the vehicle's wiring. Ensure all connections are secure. (Refer to video timestamp 0:39)
6. **Prepare Dashboard Trim:** Remove the dashboard trim piece. Attach the display's mounting bracket and connect the display's cables to the bracket. (Refer to video timestamp 0:53)
7. **Mount Display:** Carefully position the display unit onto the dashboard trim piece, ensuring the cables are routed correctly. (Refer to video timestamp 1:00)
8. **Reinstall Dashboard Trim:** Reinstall the dashboard trim piece with the display attached, ensuring it snaps securely into place. (Refer to video timestamp 1:31)
9. **Reinstall Panels:** Reinstall the lower and side panels, ensuring all clips are engaged and the fit is flush. (Refer to video timestamp 1:40)
10. **Test Functionality:** Power on your vehicle and test the display's functionality.



Image: The Novozopai Head Up Display seamlessly integrated into the Tesla dashboard.



Image: Visual comparison of the Tesla dashboard before and after the display installation.

5. OPERATING INSTRUCTIONS

The Novozopai Head Up Display offers intuitive controls and various display modes to enhance your driving experience.

5.1 Power On/Off

The display automatically powers on and off with your vehicle. It will automatically shut down the screen upon vehicle lock.

5.2 Display Modes

- **Vehicle Information Display:** Shows real-time data such as speed, gear, battery usage, light status, safety distance, door status, speed limit warnings, and tire pressure.
- **CarPlay/Android Auto:** Connect your smartphone wirelessly for Apple CarPlay or wired/wireless for Android Auto.
- **Full Screen & Split Screen:** Easily switch between full-screen mode for a single application (e.g., navigation) or split-screen mode to view vehicle information alongside your smartphone interface.
- **Day & Night Mode:** The display automatically adjusts brightness and color schemes for optimal visibility during day and night driving. You can also manually adjust brightness.
- **Interface Designs:** Choose from three distinct interface designs (Classic, Original, Romantic) to personalize your display.



Three Optional Interface Iron Design



Image: Display showing both CarPlay and vehicle information simultaneously.



Image: Day and Night mode comparison on the display.

Online Upgrade OTA

- 1** OEM uploads software updates and receives diagnostic data via the cloud
- 2** Over-the-Air Updates
- 3** Software updates are received and diagnostic data is sent by the vehicle via an over-the-air update



Image: Real-time synchronization of vehicle information on the display.

Three Interface Iron design Build-in Linux System



Image: Steering wheel control functions for the display.

Support SWC

Left Scroll Wheel

Swipe Up Volume+
Swipe Down Volume-
Left Push Previous song/Hang up the phone
Right Push Next song/Answer the phone
Short Press Pause/Play
Long Press Wake up dashboard voice assistant

Right Scroll Wheel

Swipe Up Switch maininterface
Swipe Down Switch cell phone interface
Left Push/Right Push Adjust following distance
Short press/Long press Wake up Tesla voice assistant



Image: Three distinct interface designs available on the display.

5.3 Control Methods

- **Touch Screen:** Directly interact with the 9-inch IPS touch screen for navigation and settings.
- **Steering Wheel Control:** Utilize your Tesla's existing steering wheel controls to manage display functions.
 - Left Scroll Wheel: Swipe Up (Volume+), Swipe Down (Volume-), Left Push (Previous song/Hang up phone), Right Push (Next song/Answer phone), Short Press (Pause/Play), Long Press (Wake up dashboard voice assistant).
 - Right Scroll Wheel: Swipe Up (Switch main interface), Swipe Down (Switch cell phone interface), Left Push/Right Push (Adjust following distance), Short Press/Long Press (Wake up Tesla voice assistant).
- **Mobile Phone:** Connect your mobile device for integrated control and content streaming.
- **Voice Assistant:** Use Siri or Google Assistant for hands-free control.

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Video: Demonstration of the Novozopai Tesla dashboard instrument cluster display in operation, showcasing various features and synchronization with car information.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Novozopai Head Up Display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Temperature:** Avoid exposing the device to extreme temperatures, both hot and cold, for extended periods.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from damage.
- **Software Updates:** Regularly perform OTA (Over-The-Air) software updates to benefit from new features, improvements, and bug fixes.

Originality Interface Setup Pictures

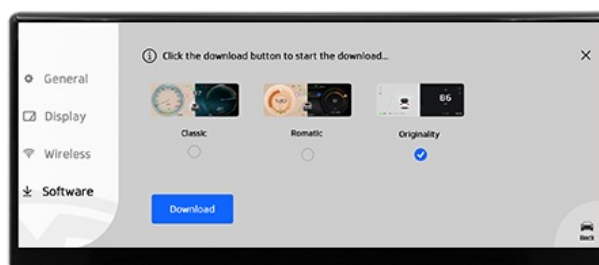


Image: Online OTA Upgrade process for the display.

7. TROUBLESHOOTING

If you encounter any issues with your Novozopai Head Up Display, please refer to the following common troubleshooting steps:

- **Display Not Powering On:**
 - Check all cable connections to ensure they are firmly seated.
 - Verify that the vehicle's power is on.
- **No Signal/Information Sync:**

- Ensure the display is correctly connected to the vehicle's data bus.
- Restart the vehicle to re-establish communication.

- **CarPlay/Android Auto Not Connecting:**

- Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- Forget the device on your phone and reconnect.
- For wired connections, ensure the Type-C cable is functioning correctly.

- **Display Shakes/Vibrates:**

- Ensure all mounting screws and clips are tightened and secured properly.

For persistent issues, please contact Novozopai customer support.

8. SPECIFICATIONS

Feature	Specification
Item Weight	2.88 pounds
Product Dimensions	9 x 4 x 3.7 inches
Country of Origin	China
Display Size	9.0 inches
Display Resolution	1920*720
Display Type	IPS
Connectivity Technology	Bluetooth, WiFi, Type-C
Voice Command	Touchscreen, Voice Assistant (Siri/Google)

9. WARRANTY AND SUPPORT

Novozopai offers a **1-year guarantee period** for this instrument cluster display. For any questions, technical support, or warranty claims, please contact Novozopai customer service directly. Refer to the product packaging or official Novozopai website for contact information.

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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