

Tlyard All Model 3/Y

Tlyard Physical Buttons for Tesla Model Y/3/Highland User Manual

Model: All Model 3/Y

Brand: Tlyard

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Tlyard Physical Buttons with Ambient Lighting LCD Screen, designed specifically for Tesla Model 3, Model Y, and the 2024 Model 3 Highland vehicles. This accessory enhances your driving experience by providing tactile control over various vehicle functions, complementing the existing touchscreen interface.



The Tlyard Physical Button Control Panel installed below the Tesla central display, featuring an integrated LCD screen and ambient lighting.

2. PRODUCT FEATURES

- **Compatible Models:** Designed for seamless integration with Tesla Model 3/Y as well as the 2024 Model 3 Highland.

- **Smart Control:** Equipped with 10 physical buttons for various functions such as door control, front and rear trunks, turn signals, and gear shifts.
- **Rotating Knob:** Features a central rotating knob with an integrated LCD screen to adjust temperature, A/C speed, and ambient light settings.
- **Ambient Lighting:** Dynamic ambient lighting with multiple color options changes with temperature adjustments (red for increasing temperature, blue for decreasing).
- **Seamless Installation:** Easy, damage-free installation that does not affect original car functions.



Two perspectives of the Tlyard physical button panel installed in a Tesla, demonstrating its ergonomic placement and visual integration.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package.

- Tlyard Model 3/Y Intelligent Control Panel (Main Unit)

4. SETUP AND INSTALLATION

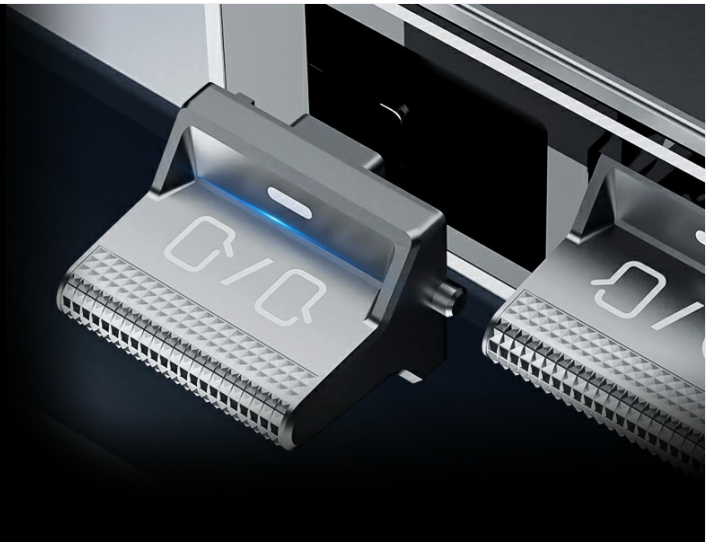
The Tlyard Physical Buttons are designed for a straightforward, damage-free installation process. It is recommended to perform the installation in a well-lit area and ensure the vehicle is powered off.

4.1 Installation Overview

The control panel is designed to flush-mount beneath your Tesla's central display. It features a unique installation structure with a built-in anti-wear pad to protect the original screen.

Improve Driving Safety

Advanced physical button touch
physical buttons
specially tailored for Tesla



Detailed view of the unique installation structure, highlighting the built-in anti-wear pad designed to protect the original screen and maintain the car's aesthetic.

4.2 General Installation Steps (Refer to product-specific guides for detailed visuals)

1. Ensure your Tesla vehicle is powered off and in a safe state for accessory installation.
2. Carefully position the Tlyard control panel beneath the central display, aligning it with the contours of the dashboard.
3. Secure the unit using the provided screw-in connectors, ensuring a snug fit without excessive force. The built-in anti-wear pad should prevent any damage to the original screen.
4. Connect any necessary wiring according to the included wiring diagram (if applicable). The product is designed for minimal wiring intrusion.
5. Once installed, power on your vehicle and test all functions of the control panel to ensure proper operation.

5. OPERATING INSTRUCTIONS

The Tlyard Physical Buttons provide intuitive control over various vehicle functions and ambient lighting.

5.1 Button Functions

The control panel features 20 distinct button positions, each assigned to a specific function. Refer to the diagram below for a comprehensive list of functions.



For Model 3 / Y / Model 3 Highland

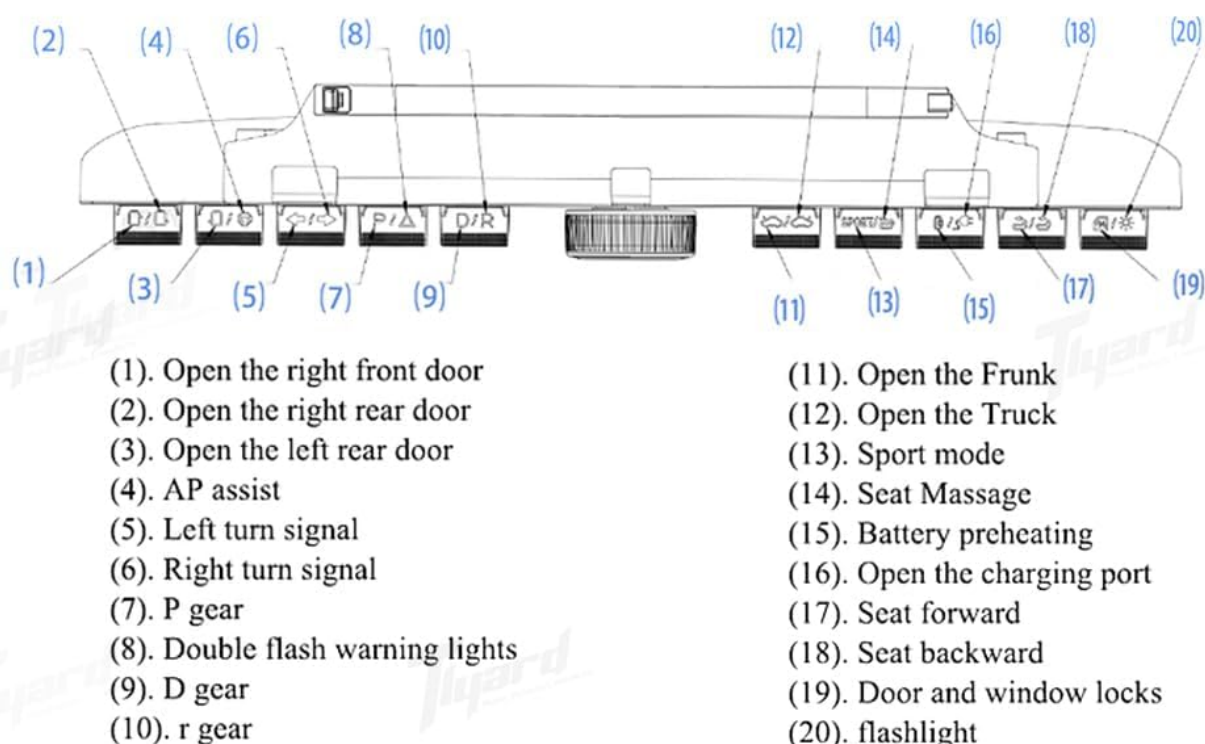
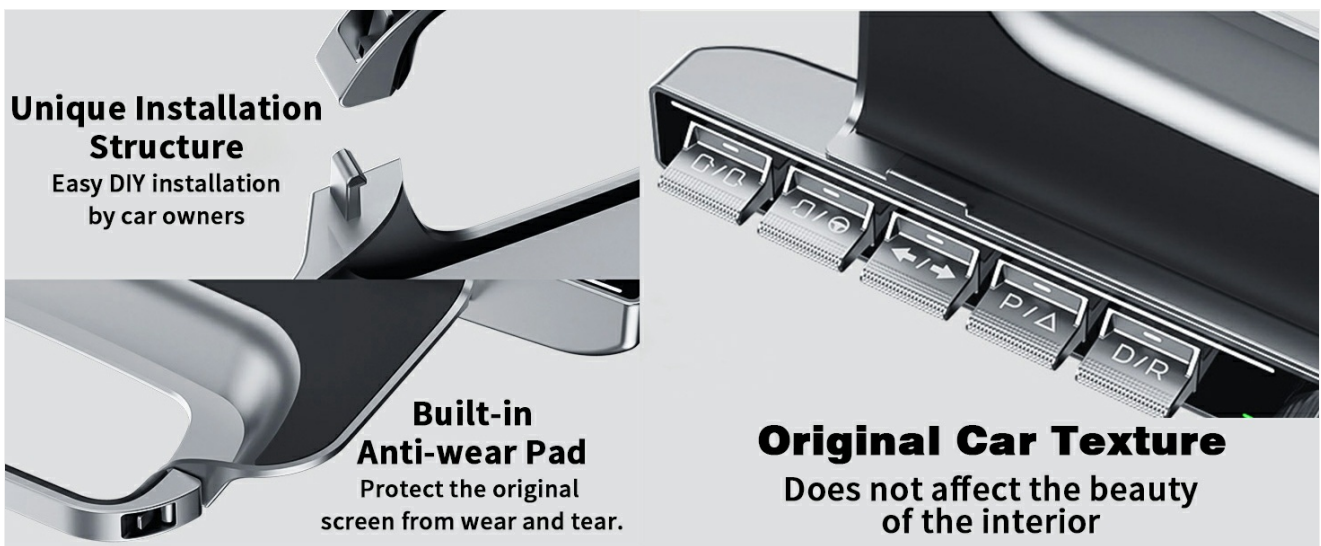


Diagram illustrating the functions of each of the 20 physical buttons on the Tlyard control panel, including door controls, trunk access, turn signals, gear shifts, and seat adjustments.

5.2 Rotating Knob Functions

The central rotating knob with its integrated LCD screen offers multi-functional control:

- **Temperature Adjustment:** Rotate the knob to precisely adjust the air conditioning temperature. The LCD screen will display the current temperature setting.
- **A/C Speed Adjustment:** Press the knob to switch to A/C speed adjustment mode, then rotate to control the fan speed.
- **Ambient Light Mode:** Press the knob again to enter ambient light mode. Rotate to select your desired light color. The ambient lighting dynamically changes with temperature adjustments (red for increasing, blue for decreasing).



Close-up view detailing the three main functions of the rotating knob: precise temperature adjustment, wind speed adjustment, and ambient light color selection.



Illustration of the colorful ambient lighting feature of the Tlyard control panel, enhancing the interior aesthetics of the vehicle.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Tlyard Physical Buttons, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, or slightly damp cloth to clean the surface of the control panel and LCD screen. Avoid abrasive cleaners, solvents, or harsh chemicals that could damage the finish or electronics.
- **Avoid Liquid Exposure:** Prevent liquids from entering the unit, as this can cause electrical damage.
- **Temperature Extremes:** While designed for automotive use, avoid prolonged exposure to extreme temperatures outside of normal operating conditions.
- **Gentle Handling:** Operate buttons and the rotating knob with gentle pressure. Avoid excessive force.

7. TROUBLESHOOTING

If you encounter issues with your Tlyard Physical Buttons, refer to the following common troubleshooting steps:

- **No Power/Unresponsive:**
 - Check all connections to ensure they are securely fastened.

- Ensure the vehicle's power is on.
- If recently installed, re-verify installation steps.
- **Buttons Not Functioning Correctly:**
 - Confirm the correct button is being pressed according to the function diagram.
 - Ensure no debris is obstructing the button mechanism.
- **LCD Screen Issues:**
 - If the screen is blank or flickering, check power connections.
 - A vehicle restart may resolve minor display glitches.
- **Ambient Lighting Malfunction:**
 - Verify that the ambient light mode is selected via the rotating knob.
 - Check for any loose connections.

If problems persist after attempting these steps, please contact Tlyard customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	Tlyard
Model	All Model 3/Y
Compatible Vehicles	Tesla Model 3, Model Y, 2024 Model 3 Highland
Operation Mode	Manual (Physical Buttons, Rotary Knob)
Control Method	Touch
Number of Positions	10 (referring to distinct button groups/functions)
Actuator Type	Rotary (for knob)
Mounting Type	Flush-mounted
Color	Black
Contact Material	Metal
Item Weight	3.53 ounces
Package Dimensions	9.84 x 9.84 x 7.87 inches
UPC	763055110543
Date First Available	July 12, 2024

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Tlyard website. Keep your proof of purchase for any warranty claims.

If you require technical assistance or have questions regarding the product, please contact Tlyard customer service

through the contact information provided on their official channels.