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› User Manual: 12.3 inch Digital Dashboard for Toyota Prado 2010-2017

WBFYEE ShunNeng XuanHua

12.3 inch Digital Dashboard User Manual

Model: **ShunNeng XuanHua** | Brand: **WBFYEE**

Compatible with Toyota Prado 2010-2017 Years

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your new 12.3 inch Digital Dashboard. Please read this manual thoroughly before installation and use to ensure proper function and safety. This digital dashboard is designed to enhance your driving experience by providing clear, real-time vehicle information.

2. PRODUCT OVERVIEW AND KEY FEATURES

The WBFYEE 12.3 inch Digital Dashboard is a state-of-the-art replacement for your vehicle's traditional instrument cluster, offering advanced functionality and a modern interface.



Figure 2.1: The 12.3 inch Digital Dashboard unit, showcasing its sleek design and integrated screen.

Key Features:

- **High-Resolution Display:** Features a 12.3-inch anti-glare screen with 1920x720 resolution for clear visibility.
- **Linux Operating System:** Ensures stable and efficient performance.
- **Real-time Information:** Displays vehicle status, fault warnings, and maintenance tips dynamically.
- **Quick Startup:** Achieves fast response and quick start, typically less than 3 seconds from car ignition.
- **Intuitive Interface:** Reasonable layout and clear icon design for easy information comprehension.
- **Driving Data Recording:** Records essential driving data for later analysis.
- **Multiple UI Options:** Offers various user interface designs to personalize your dashboard view.
- **Steering Wheel Control Compatibility:** Integrates seamlessly with existing steering wheel controls.



Figure 2.2: Visual representation of the digital dashboard emphasizing its 12.3-inch anti-glare screen, Linux operating system, high-definition resolution, steering wheel control integration, and customizable UI options.

3. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the product or vehicle, and to ensure personal safety:

- **Professional Installation Recommended:** Due to the complexity of automotive electrical systems, professional installation is highly recommended to avoid damage to the vehicle's wiring or the product itself.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before beginning any electrical installation work.
- **Correct Voltage:** Ensure the vehicle's electrical system voltage matches the product's specified voltage (12V).
- **Avoid Distractions:** Do not operate or adjust the digital dashboard while driving. Always pull over to a safe location if adjustments are necessary.
- **Handle with Care:** The screen is a delicate component. Avoid applying excessive pressure or sharp objects to

the display.

- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

4. INSTALLATION GUIDE

The digital dashboard is designed for a "Plug & Play" installation, making the process as straightforward as possible. However, careful attention to detail is required.

4.1 Pre-Installation Checklist:

- Ensure the vehicle is turned off and the battery is disconnected.
- Gather necessary tools (e.g., trim removal tools, screwdrivers).
- Confirm compatibility with your Toyota Prado model (2010-2017 years).

4.2 Installation Steps:

1. **Disassemble Original Instrument Panel:** Carefully pull out the steering wheel. Use a trim removal tool to pry open the two buckles securing the original instrument panel. Gently remove the old instrument panel.

Lossless Installation

The easiest installation steps,
plug and play



Easy To Disassemble

Pull out the steering wheel, Use a tool to pry open the two buckles on it, And take out the instrument panel.



Consistent Plug

The product is connected to the original car line, Which is convenient and fast, Plug and play.

Figure 4.1: Illustration of the easy disassembly process and the plug-and-play connection for the new digital dashboard.

2. **Connect New Digital Dashboard:** Connect the new digital dashboard to the original car line using the provided consistent plugs. Ensure all connections are secure and properly seated. The product is designed for a direct, lossless connection.
3. **Reassemble:** Carefully place the new digital dashboard into position and secure it with the buckles. Reassemble any trim pieces removed during the process.
4. **Reconnect Battery:** Once installation is complete and all connections are verified, reconnect the vehicle's negative battery terminal.
5. **Test Functionality:** Turn on the vehicle ignition and verify that the new digital dashboard powers on and displays information correctly. Check all functions as described in the Operation section.



Figure 4.2: Comparison of the vehicle's dashboard before and after the installation of the new digital display, showing the improved appearance.

5. OPERATION

The digital dashboard is designed for intuitive operation, providing essential vehicle information at a glance.

5.1 Initial Startup:

Upon turning the ignition, the digital dashboard will perform a self-check. The system typically starts up in less than 3 seconds, providing immediate access to driving information.



Figure 5.1: Depiction of the rapid startup capability of the digital dashboard, activating in approximately 2 seconds.

5.2 Display Modes and Information:

The dashboard dynamically adjusts its display based on driving conditions and user preferences. Key information displayed includes:

- **Speedometer and Tachometer:** Digital and analog representations of vehicle speed and engine RPM.
- **Fuel Consumption:** Real-time and average fuel consumption data.
- **Door Status:** Visual indicators for open/closed doors.
- **Tire Pressure:** Displays current tire pressure and angle information.
- **Adaptive Cruise Control Status:** Information related to adaptive cruise control if your vehicle is equipped.
- **System Settings:** Access to various system configurations and preferences.
- **Fault Warnings:** Real-time alerts for vehicle malfunctions or warnings.
- **Maintenance Tips:** Reminders for scheduled maintenance.

Function introduction

Compatible With Original Vehicle
Status Information



Figure 5.2: Example of the dashboard interface displaying door status and fuel consumption data.

Function introduction

Compatible With Original Vehicle
Status Information



Figure 5.3: Example of the dashboard interface displaying tire pressure and angle, and options for system settings.

5.3 Customization:

The dashboard offers multiple UI options, allowing you to select a display layout that best suits your preference. Refer to the on-screen system settings for customization options.

6. MAINTENANCE

To ensure the longevity and optimal performance of your digital dashboard, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for prolonged periods, as this can affect electronic components.
- **Software Updates:** Check the manufacturer's website or contact support for information on available software updates, which may improve performance or add new features.
- **Regular Checks:** Periodically check all connections to ensure they remain secure.

7. TROUBLESHOOTING

If you encounter issues with your digital dashboard, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dashboard does not power on.	Loose power connection; Vehicle battery disconnected or low; Blown fuse.	Check all power connections. Ensure vehicle battery is connected and charged. Inspect vehicle's fuse box for a blown fuse related to the instrument cluster.
Display is blank or flickering.	Loose video cable connection; Software glitch.	Check video cable connections. Try restarting the vehicle. If issue persists, contact support.
Incorrect information displayed.	Incorrect settings; Sensor malfunction.	Verify settings in the system menu. If information remains incorrect, consult a professional technician.
Steering wheel controls not working.	Improper connection; Compatibility issue.	Ensure all wiring harness connections are secure. Confirm your vehicle's steering wheel controls are compatible.

If the problem persists after attempting these solutions, please contact customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Screen Size	12.3 inches
Resolution	1920x720
Operating System	Linux
Power Output	4*45W
Voltage	12V
Material Type	Metal and Plastic (ABS)
Item Weight	3kg
Compatible Vehicles	Toyota Prado 2010-2017 Years
Supported Languages	Simplified Chinese, Traditional Chinese, Arabic, Russian, French, Korean, Turkish, Spanish, Italian, English

9. WARRANTY AND SUPPORT

This product is covered by the manufacturer's standard warranty. Please refer to the warranty card included with your purchase or visit the official WBFYEE website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact WBFYEE customer service through their official channels. Keep your purchase receipt and product model number (ShunNeng XuanHua) ready

when contacting support.

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