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> wowuseful Digital Instrument Cluster User Manual for BMW X3-F25, X4-F26, X5-F15, X6-F16

wowuseful Digital Instrument Cluster for BMW X3-F25, X4-F26, X5-F15, X6-F16

wowuseful Digital Instrument Cluster User Manual

For BMW X3-F25, X4-F26, X5-F15, X6-F16 Models

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your new wowuseful Digital Instrument Cluster. This aftermarket digital dash is designed to enhance your driving experience with a modern, high-definition display.

1.1. Package Contents

Please verify that all items listed below are included in your package:

- Digital Instrument Cluster Unit
- Necessary Wiring Harnesses
- Installation Tools (e.g., trim removal tools)
- User Manual (this document)

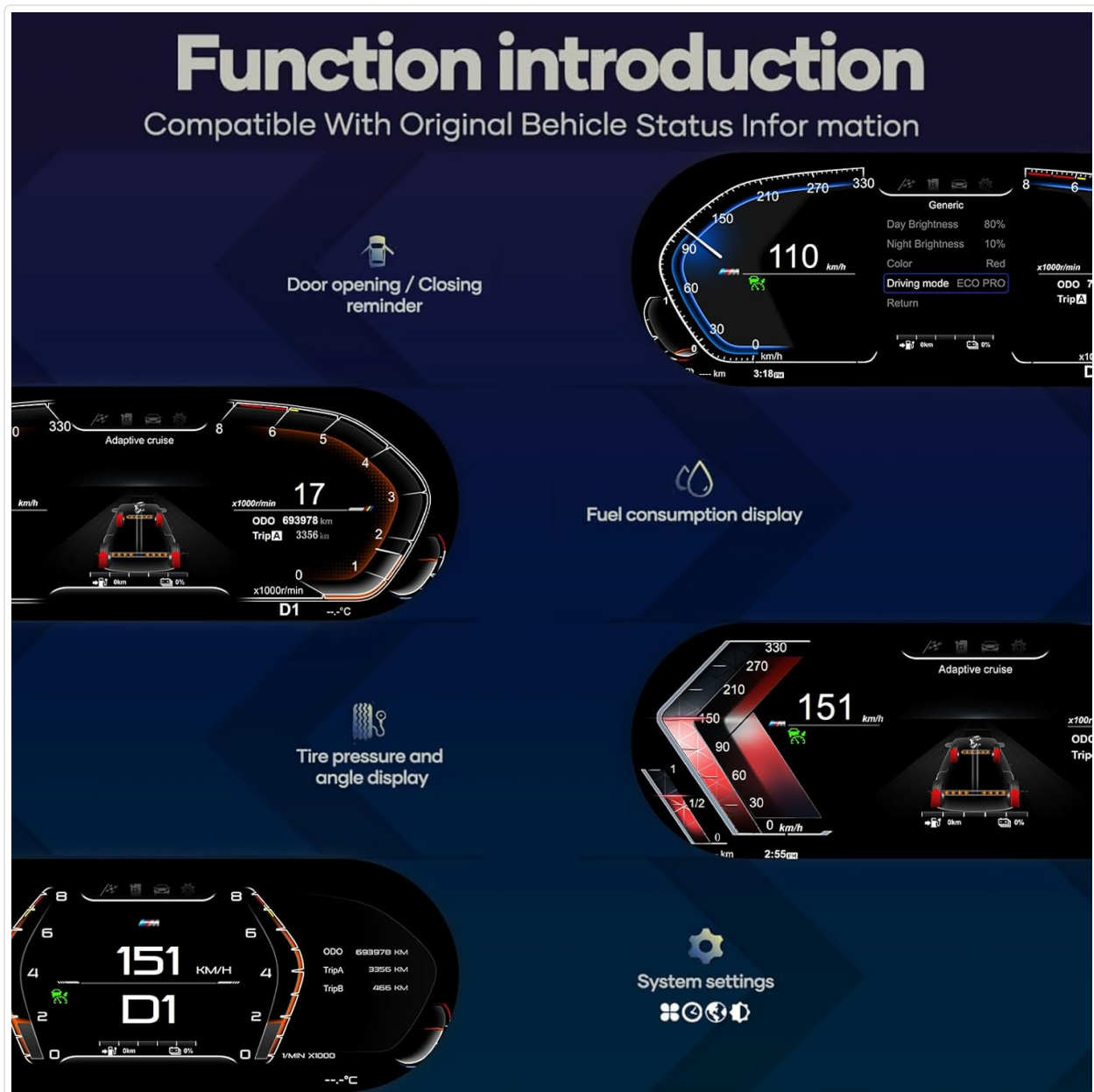


Image 1.1: Package contents, showing the digital instrument cluster, connecting cables, and installation tools.

2. VEHICLE COMPATIBILITY

This Digital Instrument Cluster is compatible with specific BMW models and years. Please ensure your vehicle matches the following specifications:

- BMW X3-F25 (2011-2017) with NBT or EVO system
- BMW X4-F26 (2011-2017) with NBT or EVO system
- BMW X5-F15 (2014-2018) with NBT or EVO system
- BMW X6-F16 (2014-2018) with NBT or EVO system

Note: This unit is designed for vehicles WITHOUT a Head-Up Display (HUD).

3. KEY FEATURES

The wowuseful Digital Instrument Cluster offers a range of features designed to provide comprehensive

vehicle information and an enhanced user experience:

- **High-Definition Display:** A 12.3-inch LCD screen with 1920x720 resolution and blue light anti-glare technology for clear visibility.
- **Fast Startup:** Quick response time, typically less than 3 seconds from car ignition to instrument display.
- **Multifunctional Display:** Shows original vehicle information including speed, fuel level, fuel consumption, oil temperature, water temperature, tire pressure, and body balance.
- **Linux Operating System:** Powered by a Linux system with a 4-core CPU (1.5 GHz), 1GB RAM, and 4GB ROM for stable performance.
- **Multi-Language Support:** Supports English, German, Spanish, Japanese, Russian, Chinese (Simplified/Traditional), Arabic, Turkish, Korean, French, and Italian.
- **Steering Wheel Control Integration:** Retains original steering wheel control functionality for easy navigation and adjustments.
- **Multiple UI Styles:** Offers various display themes such as Classic, Sporty, and Offroad.

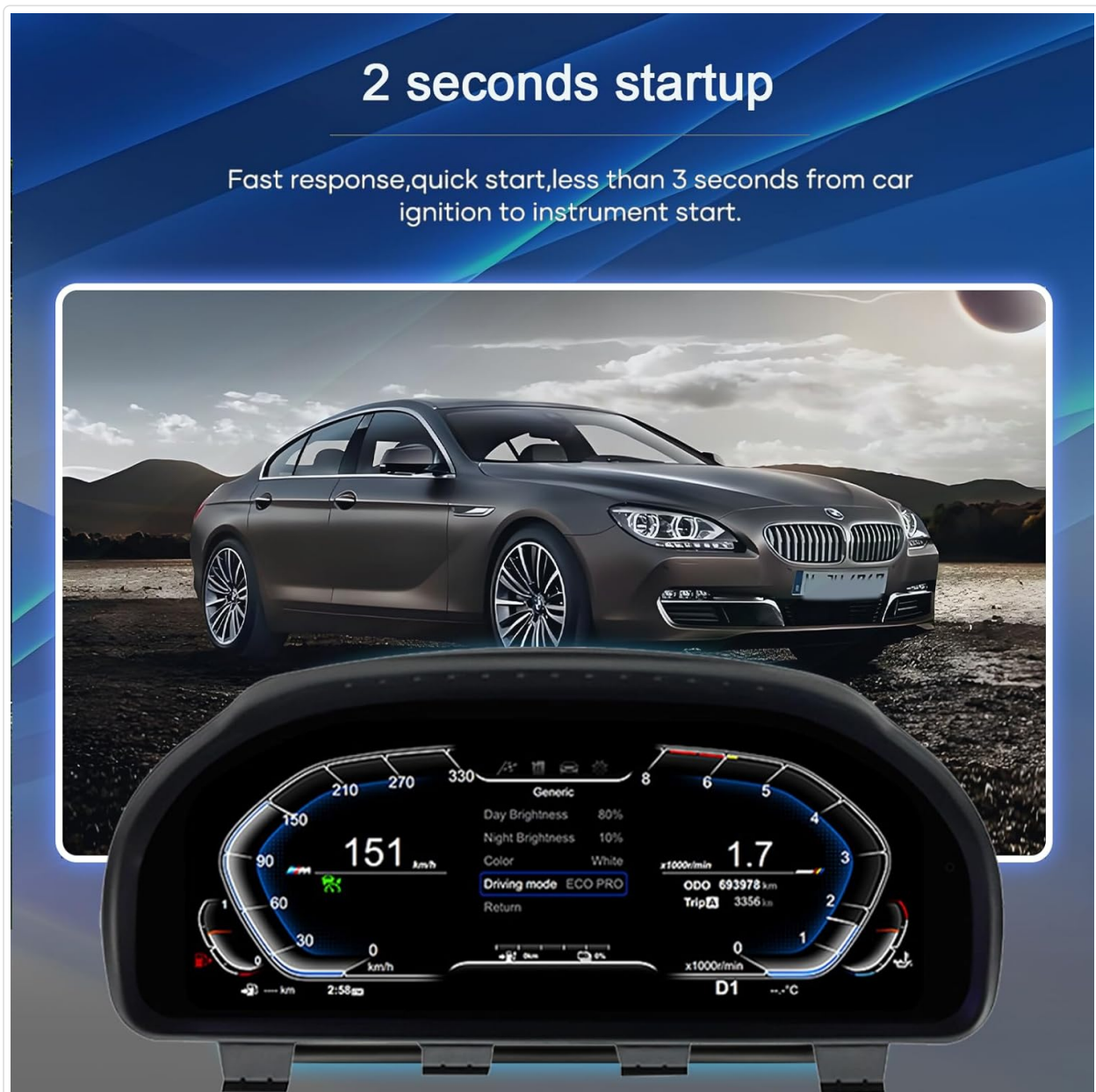


Image 3.1: The digital cluster features a rapid startup, displaying information quickly after ignition.

HD Display Screen

12.3 inch screen Real-time monitoring of vehicle status



Image 3.2: The 12.3-inch HD display provides clear, real-time monitoring of vehicle status.

4. INSTALLATION GUIDE

The wowuseful Digital Instrument Cluster is designed for a plug-and-play installation, requiring no coding or complex programming. However, professional installation is recommended.

4.1. Before Installation


- Ensure the vehicle's ignition is off and the battery is disconnected.
- Gather all necessary tools, including the provided trim removal tools.
- Familiarize yourself with the vehicle's dashboard layout and the location of the original instrument cluster.

4.2. Installation Steps

1. Carefully remove the existing instrument cluster using appropriate trim removal tools to avoid damage to the dashboard.

2. Disconnect the wiring harnesses from the original instrument cluster.
3. Connect the provided wiring harnesses from the new digital instrument cluster to the vehicle's existing connectors. Ensure all connections are secure.
4. Mount the new digital instrument cluster into the dashboard opening. Ensure it is seated correctly and securely.
5. Reconnect the vehicle's battery.
6. Turn on the ignition to test the new digital instrument cluster. Verify all functions are operating correctly.

Product Information



Product Name	Operating System	Screen Size
DashBoard For BMW	Linux System	12.3 inch
Resolution	Screen Type	
1920*720	Blue light anti-glare screen	
Language		
Chinese, English, Japanese, Russian, Korean, Arabic, Ukrainian, Turkish, etc.		
Driving Safety		
Seat Belt Reminder / Reminder To Open The Door / Warning Light / Trip Mileage / Vehicle Information / Fuel Consumption information		

Image 4.1: The unit features a plug-and-play design, utilizing original wire harnesses for direct compatibility without cutting wires.



Before Installation



After Installation

Image 4.2: Visual comparison of the dashboard before and after the digital instrument cluster installation.

5. OPERATION

Once installed, the digital instrument cluster integrates seamlessly with your vehicle's systems, providing a modern and intuitive interface.

5.1. User Interface (UI)

The cluster offers various UI themes to personalize your driving experience. You can switch between styles such as Classic, Sporty, and Offroad through the system settings.



Image 5.1: Examples of the various UI themes available, including Lite, Tech, Track, and Comfort modes.

5.2. Displayed Information

The cluster displays critical vehicle data, including:

- Current Speed (km/h or mph)
- Engine RPM
- Fuel Level and Consumption
- Oil Temperature and Water Temperature
- Tire Pressure and Angle Display
- Door Opening/Closing Reminders
- Trip Mileage (ODO and Trip A/B)
- Vehicle Information and Warning Lights

UI interface

4 Cool theme style switching
Give you a different operating experience



Lite Mode



Tech Mode



Track Mode



Comfort Mode

Image 5.2: Introduction to various functions, including door status, fuel consumption, tire pressure, and system settings.

5.3. Steering Wheel Controls

Your original steering wheel controls remain fully functional, allowing you to easily switch songs, channels, adjust volume, and navigate through the cluster's menus without distraction.

6. SPECIFICATIONS

Feature	Specification
Screen Size	12.3 inches
Resolution	1920 x 720
Operating System	Linux
CPU	4-core, 1.5 GHz
RAM	1GB

Feature	Specification
ROM	4GB
Voltage	12V
Material Type	Metal and Plastic
Item Weight	Approximately 3 kg (6.6 lbs)
Display Type	LCD with Blue Light Anti-Glare
Operating Temperature	-50 to 70 degrees Celsius (tested)
Certifications	CE

7. MAINTENANCE

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

- Clean the screen regularly with a soft, lint-free cloth. Avoid abrasive cleaners or solvents.
- Do not expose the unit to extreme temperatures or direct sunlight for prolonged periods when the vehicle is parked.
- Ensure all connections remain secure. If you experience any issues, check the wiring connections.

8. TROUBLESHOOTING

If you encounter any issues with your digital instrument cluster, consider the following basic troubleshooting steps:

- **No Power/Display:** Check all power connections and ensure the vehicle's battery is properly connected and charged.
- **Incorrect Information Displayed:** Verify that the unit is correctly installed and that your vehicle model is compatible. A system reset (if available) might resolve minor software glitches.
- **Steering Wheel Controls Not Working:** Ensure all wiring harnesses are securely connected.

For persistent issues, please contact customer support.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or contact wowuseful customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Shenzhen Cheshitong Electronics Co., Ltd.

