

wowuseful A3 8V Digital Instrument Cluster

wowuseful Digital Instrument Cluster for Audi A3 8V (2014-2020) - 12.3 inch User Manual

Model: A3 8V Digital Instrument Cluster

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your new wowuseful 12.3-inch Digital Instrument Cluster. This product is designed as a direct replacement for the original instrument panel in Audi A3 8V models manufactured between 2014 and 2020. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT FEATURES

- **High-Definition Display:** Features a 12.3-inch LCD screen with a resolution of 1920x720 for clear and vibrant visuals.
- **Advanced Operating System:** Runs on a LINUX system, powered by a 4-core CPU (1.5 GHz), 1GB RAM, and 4GB ROM for robust performance.
- **Multifunctional Display:** Supports display of original vehicle data including tire pressure, oil temperature, water temperature, oil level, fuel consumption, and body balance information.
- **Multiple UI Styles:** Offers various user interface themes such as Classic, Sporty, and Offroad to personalize your driving experience.
- **Multi-Language Support:** Includes English, German, Spanish, Japanese, Russian, Simplified Chinese, Traditional Chinese, Arabic, Turkish, Korean, French, and Italian.
- **Steering Wheel Control Integration:** Retains all original steering wheel control functions for easy access to media and settings.
- **Plug and Play Installation:** Designed for straightforward installation with original wire harness compatibility, requiring no wire cutting.



Image 2.1: Front view of the wowuseful 12.3-inch Digital Instrument Cluster. This image displays the sleek design and the high-resolution screen, showing a typical driving interface with speed, RPM, and navigation information.

For Audi A3 2013-2019



1920*720

10.25
12.3 inch
Anti-Glare Screen

Plug & Play

Fashion Digital 3 UI Theme Show

Image 2.2: Overview of key features including the 12.3-inch anti-glare screen, 1920x720 resolution, plug-and-play design, and multiple UI themes. The image also highlights compatibility for Audi A3 models from 2013-2019 (note: product description states 2014-2020).

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- Digital Instrument Cluster (1 unit)
- Cluster Frame (1 unit)
- User Manual (1 copy)
- USB Update Cable (1 unit)
- Assembly Tool Kit (1 set)

REAL SHOTS



**Digital cluster* 1, Cluster frame * 1, User manual *1,
Update cable usb port * 1 , Assembly * 1**

Image 3.1: Contents of the product package. This image shows the digital cluster unit, the cluster frame, the user manual, a USB update cable, and a set of orange plastic assembly tools.

4. COMPATIBILITY

This Digital Instrument Cluster is specifically designed for:

- **Vehicle Model:** Audi A3 8V
- **Model Years:** 2014, 2015, 2016, 2017, 2018, 2019, 2020

Please ensure your vehicle matches these specifications before proceeding with installation. Compatibility with other models or years is not guaranteed.

5. INSTALLATION

Installation of the Digital Instrument Cluster is designed to be plug-and-play, utilizing the original vehicle wiring harness. While no wire cutting is required, professional installation is recommended to ensure correct fitment and functionality.

5.1. Safety Precautions

- Always disconnect the vehicle's battery before beginning any electrical work.
- Use appropriate tools and wear protective gear.
- Refer to your vehicle's service manual for specific dashboard removal procedures.

5.2. Installation Steps (General Guide)

1. **Prepare the Vehicle:** Ensure the vehicle is turned off and the battery is disconnected.
2. **Remove Original Instrument Cluster:** Carefully remove the trim pieces surrounding the original instrument cluster using the provided assembly tools. Disconnect the wiring harness from the back of the original cluster and remove it from the dashboard.
3. **Connect New Cluster:** Connect the vehicle's original wiring harness to the corresponding ports on the back of the new wowuseful Digital Instrument Cluster. Ensure all connections are secure.
4. **Install New Cluster:** Carefully place the new digital instrument cluster into the dashboard opening. Ensure it fits correctly and is securely mounted.
5. **Reassemble Trim:** Reattach any removed trim pieces.
6. **Reconnect Battery:** Reconnect the vehicle's battery.
7. **Test Functionality:** Turn on the vehicle and verify that the new digital instrument cluster powers on and displays information correctly. Check all functions, including steering wheel controls.



Image 5.1: Illustration of the plug-and-play connection. This image shows the rear of the digital instrument cluster with its connection ports and a close-up of a vehicle's wiring harness being connected, emphasizing that no wire cutting is needed.

6. OPERATION

The digital instrument cluster integrates seamlessly with your vehicle's existing systems. Most operations are intuitive and can be controlled via the steering wheel buttons.

6.1. Basic Display Information

The cluster displays essential driving information, including:

- Speed (digital and analog)
- Engine RPM
- Fuel Level
- Engine Temperature
- Odometer and Trip Meter

- Gear Indicator
- Time and Outside Temperature

6.2. Advanced Vehicle Data Display

The unit supports real-time display of various original car data, accessible through the cluster's interface:

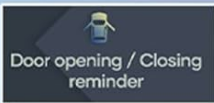
- Door Open/Close Status
- Real-time Fuel Consumption
- Tire Pressure and Angle Display
- Oil Temperature and Water Temperature
- Body Balance Information

Original car data

Support many kinds of original car data . Compatible
With Original Behicle Status Infor mation. Compatible
with the speed display working digital display with cool design feel.

*Real time detection of
door switch status*



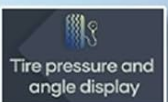


Door opening / Closing
reminder



*Real time display of tire
related data information*





Tire pressure and
angle display

*Real time monitoring of
fuel consumption*



Diversified system settings





System settings

Image 6.1: Examples of original car data displayed on the digital cluster. This includes real-time detection of door switch status, fuel consumption display, real-time monitoring of fuel consumption, real-time display of tire-related data, tire pressure and angle display, and diversified system settings.

7. SETTINGS AND CUSTOMIZATION

The digital cluster offers various customization options to enhance your driving experience.

7.1. User Interface (UI) Themes

You can select from multiple UI styles, including Classic, Sporty, and Offroad, to match your preference. These themes often change the layout, color scheme, and presentation of information.

7.2. Language Settings

The unit supports a wide range of languages. Navigate to the system settings to change the display language.

7.3. Custom Model Display

Some UI themes allow for a custom vehicle model display, offering various appearances to choose from.

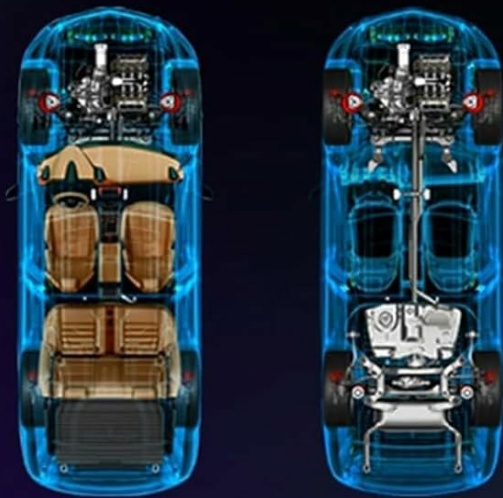


Image 7.1: Examples of multiple UI themes and color options available for the digital instrument cluster. This image shows different layouts and color schemes, including classic, sporty, and offroad styles.

Car Model



Real time reflection of various indicators of automobiles



Custom model display, multiple handsome appearances to choose from.

information show



Image 7.2: Display showing custom car model appearances and various vehicle information settings such as vehicle setup, adaptive cruise, and torque.

8. MAINTENANCE

The wowuseful Digital Instrument Cluster requires minimal maintenance to ensure longevity and optimal performance.

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, a screen cleaner specifically designed for automotive displays can be used. Avoid abrasive cleaners or solvents.
- **Software Updates:** The manufacturer provides free updates for firmware, software, UI, and GPS navigation maps. Periodically check the manufacturer's website or contact support for available updates. Use the provided USB update cable for this process.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods when the vehicle is parked, as this can affect display longevity.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, vehicle battery issue, blown fuse.	Check all wiring connections. Ensure vehicle battery is charged. Inspect relevant fuses in the vehicle's fuse box.
Display is blank or frozen.	Software glitch, temporary system error.	Turn off the vehicle, disconnect the battery for 5 minutes, then reconnect and restart. If the issue persists, contact support for a software reset or update.
Incorrect data displayed (e.g., speed, fuel).	Improper installation, software calibration issue.	Verify all connections are secure. Ensure the unit is correctly configured for your specific vehicle model. Contact technical support for calibration assistance.
Steering wheel controls not working.	Connection issue, compatibility setting.	Check the wiring harness connection. Ensure the unit's settings recognize the steering wheel controls.

If these steps do not resolve the issue, please contact customer support for further assistance.

10. SPECIFICATIONS

Model	A3 8V Digital Instrument Cluster
Screen Size	12.3 inches
Resolution	1920 x 720
Operating System	LINUX
CPU	4-core, 1.5 GHz
RAM	1GB
ROM	4GB
Material	Plastic
Product Dimensions (L x W x H)	14.17 x 8.66 x 7.87 inches
Item Weight	4 Pounds (approx. 1.81 kg)

11. WARRANTY AND SUPPORT

wowuseful is committed to providing high-quality products and customer satisfaction.

- **Warranty Period:** If the product experiences a problem within 365 days of receipt confirmation, please contact us.
- **Returns and Replacements:** We offer free return and refund within 15 days of receipt. Beyond 15 days, if a problem occurs within 365 days, we will replace the unit directly for you after communication and verification.
- **Technical Support:** Our engineer team is available to assist with installation and technical queries. Please contact our 24-hour customer service for support.

- **Software Updates:** Free updates for firmware, software, UI, and GPS navigation maps are provided.

For any inquiries or support, please contact wowuseful customer service.

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