

## NUOTIAN 7-Inch CarPlay Display

# NUOTIAN 7-Inch CarPlay Display for BMW Mini User Manual

Model: 7-Inch CarPlay Display

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NUOTIAN 7-Inch CarPlay Display, specifically designed for BMW Mini vehicles. This device integrates advanced features such as Wireless Apple CarPlay, Android Auto, Mirror Link, Bluetooth connectivity, an integrated radio tuner, and USB/SD media playback, enhancing your in-car entertainment and navigation experience.



Image 1.1: The NUOTIAN 7-Inch CarPlay Display unit and its accompanying head unit.

## 2. SETUP AND INSTALLATION

## 2.1. Package Contents

Before beginning installation, please verify that all components are present in your package:



Image 2.1: Overview of included accessories, such as various cables and the user manual.

- AUX Cable
- Radio Cable
- USB Cable
- Camera Input Cable
- Radio Antenna Cable
- GPS Antenna
- Power Cable
- Small Speaker (Trumpet)
- User Manual

## 2.2. Product Dimensions

Refer to the following dimensions for proper installation planning. Accurate measurements are crucial for ensuring compatibility with your vehicle's dashboard.

# Size Accessories

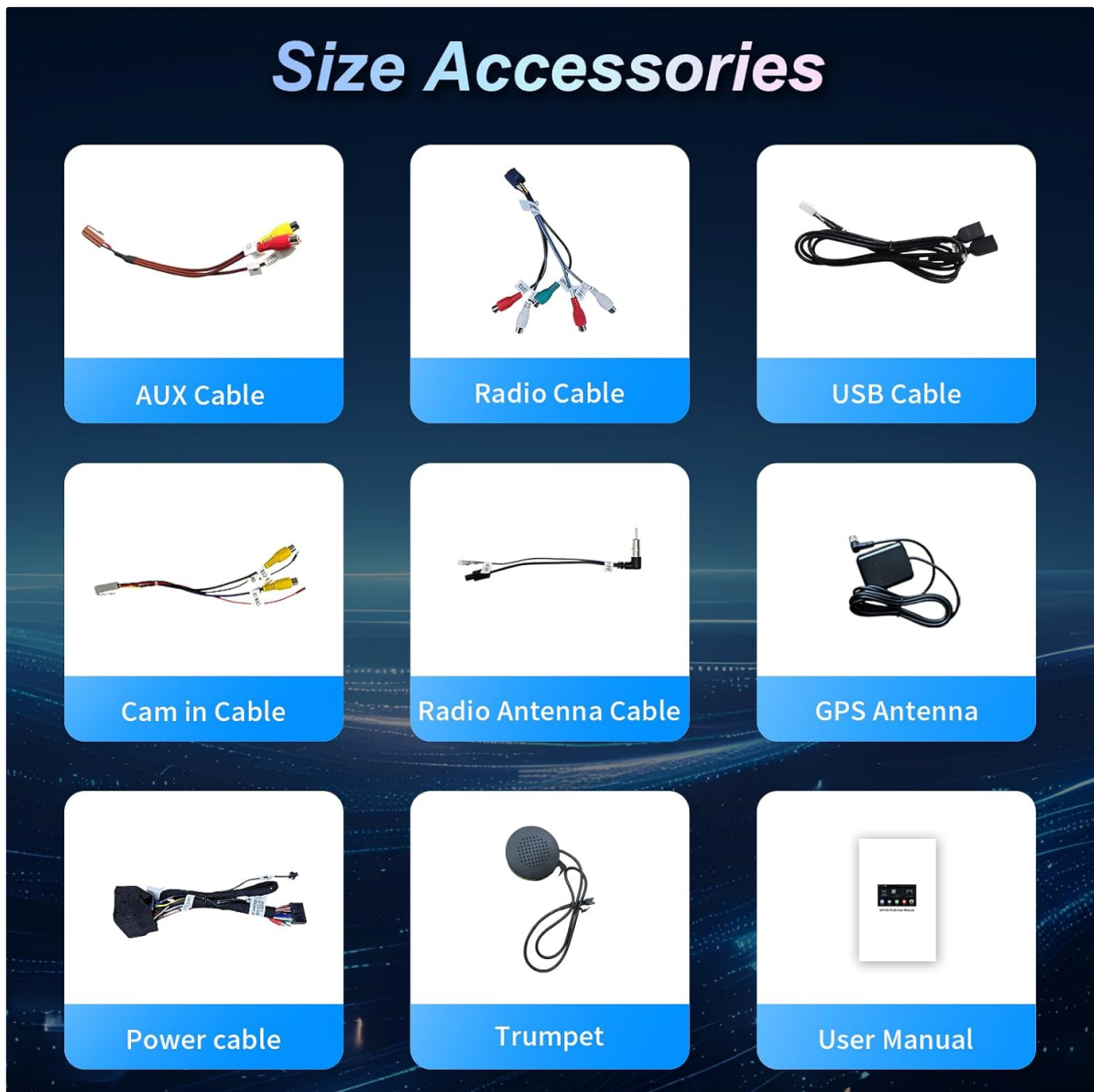


Image 2.2: Detailed measurements of the display unit and the main head unit for installation reference.

- **Main Head Unit:** Approximately 160mm (width) x 33mm (height) x 178mm (depth).
- **Display Unit:** Approximately 216mm (width) x 216mm (height) (circular display).
- **Rear of Head Unit:** Approximately 146mm (width) x 50mm (height).

## 2.3. Installation Procedure

Due to the complexity of vehicle electronics and the specific integration requirements for BMW Mini models, professional installation by a qualified technician is highly recommended. Incorrect installation can lead to damage to the device or your vehicle's electrical system.

1. **Disconnect Vehicle Battery:** Always disconnect the negative terminal of your vehicle's battery before starting any electrical work.
2. **Remove Existing Head Unit:** Carefully remove the factory head unit and any associated trim panels.
3. **Connect Wiring Harness:** Connect the provided power cable, radio cable, and other accessory cables to the corresponding ports on the new head unit and your vehicle's wiring harness. Ensure all connections are secure.
4. **Install GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield, away from metallic obstructions.
5. **Mount Display Unit:** Securely mount the 7-inch display unit in the designated location within your

BMW Mini's dashboard.

6. **Reconnect Battery:** Once all connections are made and secured, reconnect the vehicle battery.
7. **Initial Power On and Test:** Power on the vehicle and the display unit to verify functionality.

### 3. OPERATING INSTRUCTIONS

#### 3.1. Power On/Off

The device will typically power on automatically when the vehicle's ignition is turned on. To manually power off or restart, refer to the on-screen controls or the physical buttons on the head unit, if available.

#### 3.2. Touchscreen Interface

The 7-inch display features a responsive touchscreen for intuitive control. Navigate through menus, select applications, and adjust settings by touching the screen directly.

#### 3.3. Wireless Apple CarPlay & Android Auto & Mirror Link

This unit supports wireless connectivity for Apple CarPlay and Android Auto, as well as Mirror Link functionality. These features allow you to integrate your smartphone's functions directly onto the display.

## Wireless Apple CarPlay & Android Auto & Mirror Link

In order to avoid compatibility issues, we recommend that you  
consult us before purchasing!

Apple CarPlay

Android Auto

Mirror Link

Image 3.1: Visual representation of wireless Apple CarPlay, Android Auto, and Mirror Link capabilities.

- **Connecting:** Access the CarPlay/Android Auto/Mirror Link menu on the display. Follow the on-screen prompts to pair your smartphone via Bluetooth and then establish the wireless connection.
- **Functionality:** Once connected, you can access navigation, music, calls, messages, and other compatible apps directly from the display, using either touch controls or voice commands.

### 3.4. Integrated Bluetooth

The device includes integrated Bluetooth for hands-free calling and wireless audio streaming.



Image 3.2: Display showing Bluetooth interface for calls and music, and the radio tuner interface.

- **Pairing:** Go to the Bluetooth settings on the display. Enable Bluetooth on your smartphone and search for available devices. Select the NUOTIAN device and confirm the pairing code.
- **Features:** After pairing, you can make and receive calls directly from the display, sync your phone contacts, and stream music wirelessly.

### 3.5. Integrated Radio Tuner

Enjoy your favorite FM/AM radio stations with the built-in radio tuner.

- **Accessing Radio:** Select the 'Radio' icon from the main menu.

- **Tuning:** Use the on-screen controls to scan for stations, manually tune, or select from preset stations.

### 3.6. USB/SD Playback

The unit supports playback of various media files (HD video, pictures, music) from USB drives and SD cards.



Image 3.3: Illustration of USB and SD card media playback capabilities.

- **Connecting Media:** Insert a USB drive into the USB port or an SD card into the SD card slot.
- **Accessing Files:** The system will automatically detect the media and prompt you to open the media player, or you can select the 'USB' or 'SD' icon from the main menu.

### 3.7. GPS Navigation

The display unit features integrated GPS navigation, allowing you to use mapping applications directly on the device.

# Chip mit mehreren Funktionen

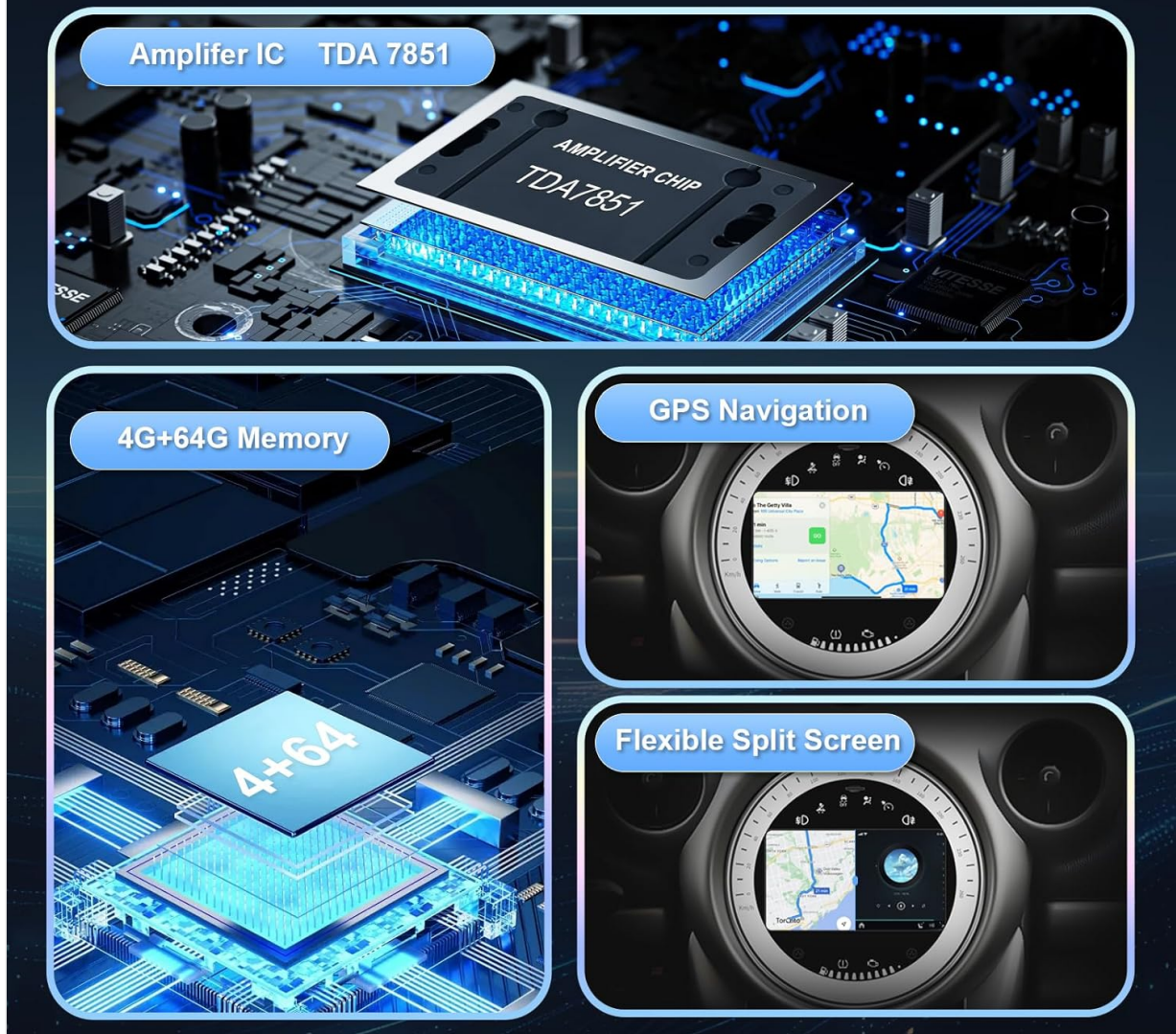


Image 3.4: Depiction of the internal amplifier chip, memory configuration, GPS navigation interface, and flexible split-screen function.

- **Using Navigation:** Select the 'Navigation' icon. The system will use the installed mapping software and the GPS antenna to provide directions.

## 3.8. Flexible Split Screen

The device supports a flexible split-screen function, allowing you to view two applications simultaneously, such as navigation and music playback.

- **Activating Split Screen:** Refer to the on-screen gestures or menu options to activate and configure the split-screen mode.

## 4. MAINTENANCE

### 4.1. Cleaning the Display

To clean the touchscreen, use a soft, lint-free cloth slightly dampened with water or a screen-cleaning solution. Avoid using harsh chemicals, abrasive materials, or excessive moisture, as these can damage the screen.

## 4.2. Software Updates

Periodically check the manufacturer's website or contact customer support for information on available software updates. Keeping your device's software up-to-date ensures optimal performance and access to new features.

## 5. TROUBLESHOOTING

If you encounter issues with your NUOTIAN CarPlay Display, please refer to the following common troubleshooting steps:

- **No Power:** Check all power connections. Ensure the vehicle's ignition is on and the battery is properly connected.
- **No Sound:** Verify that the volume is not muted or set too low. Check speaker connections. Ensure the correct audio source is selected.
- **CarPlay/Android Auto Not Connecting:** Ensure Bluetooth is enabled on both the device and your smartphone. Try restarting both devices. For compatibility issues, it is recommended to consult with the seller or manufacturer.
- **GPS Signal Lost:** Ensure the GPS antenna is properly connected and has a clear view of the sky. Move the vehicle to an open area if in a covered location.
- **Touchscreen Unresponsive:** Try restarting the device. If the issue persists, contact customer support.
- **System Freezes:** Perform a soft reset by holding down the power button (if available) or by turning the vehicle ignition off and on.

## 6. SPECIFICATIONS

| Feature                 | Specification   |
|-------------------------|---|
| Brand                   | NUOTIAN   |
| Model Name              | 7-Inch CarPlay Display  |
| Screen Size             | 7 Inches  |
| Human Interface Input   | Touchscreen   |
| Special Features        | Touchscreen, Wireless CarPlay, Android Auto, Mirror Link, Bluetooth, GPS Navigation, Split Screen |
| Memory Storage Capacity | 64 GB   |
| Included Components     | Autoradio (Head Unit), Cables, GPS Antenna, User Manual   |
| Item Weight             | 3.63 Kilograms  |
| Package Dimensions      | 31.5 x 31.1 x 21.9 cm   |
| ASIN                    | B0F8NTG2N7  |

|                      |               |
|----------------------|---------------|
| Date First Available | 3 August 2025 |
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## 7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.

For technical assistance or further inquiries, please visit the official NUOTIAN website or contact their customer service department.