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› Ninetom 12.3-inch Touchscreen Car Radio for Mercedes Benz B-Class W246 (2015-2018) with NTG 5.0/5.1/5.2 System

ninetom RT-LN-NTG50-12-B-DE

Ninetom 12.3-inch Touchscreen Car Radio User Manual

Model: RT-LN-NTG50-12-B-DE | Brand: Ninetom

1. INTRODUCTION

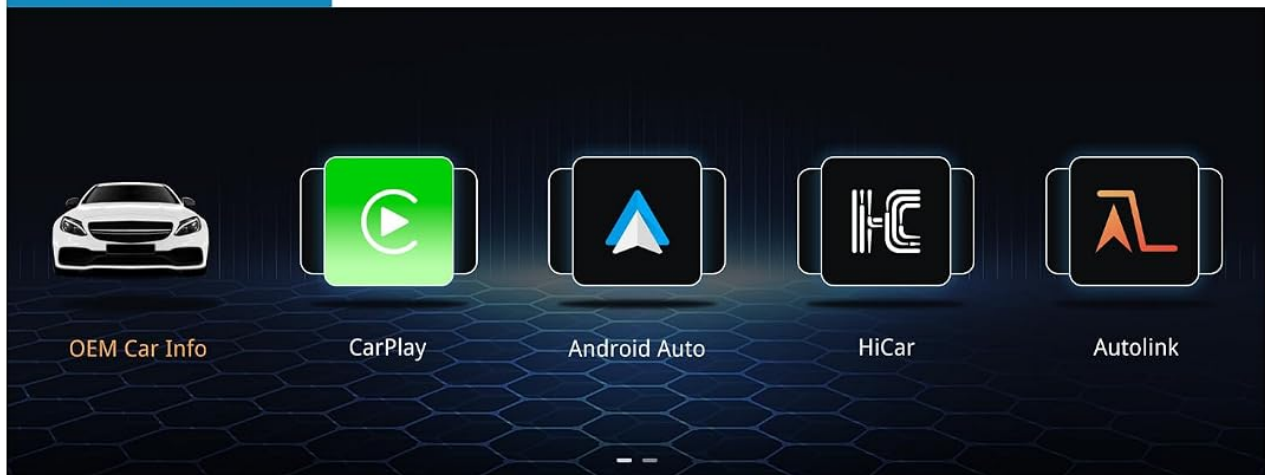
Thank you for choosing the Ninetom 12.3-inch Touchscreen Car Radio. This advanced multimedia system is designed to enhance your driving experience with features like Apple CarPlay, Android Auto, and Mirrorlink, while seamlessly integrating with your vehicle's original functions. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before installation and use.

2. COMPATIBILITY

This touchscreen car radio is specifically designed for Mercedes Benz B-Class W246 models manufactured between 2015 and 2018, equipped with the NTG 5.0, NTG 5.1, or NTG 5.2 system. It is crucial to verify your car's NTG system version before installation to ensure compatibility. Incompatible systems may lead to malfunction or damage.

Easily Switch from Factory System to Linux

Linux system interface



- Sunplus 8368XU with 2Gb DDR3
- 1920*720 Resolution
- Working temperature : -30°C ~ +80°C
- Wireless / Wired Carplay
- 10.25 inch screen



- Wireless / Wired Android Auto
- Linux 4.9 System
- Adjustable screen brightness
- Built in DSP
- Support Mirror Link

One-button switching of original vehicle system

- Keep your original car function
- Keep amplifier function
- Keep factory joystick control
- Control way is the same as before



Factory system interface

Image: Visual guide for identifying compatible (NTG 5.0) and incompatible (NTG 4.0, 4.5, 4.7) Mercedes Benz NTG systems. Compatible systems are marked with a green checkmark, while incompatible ones have a red 'X'.

If you are unsure about your vehicle's NTG system, please consult a professional or refer to your vehicle's original documentation before proceeding with installation.

3. WHAT'S IN THE BOX

Upon opening the package, please ensure all the following components are present and in good condition:

- 1 x Ninetom 12.3-inch Touchscreen Car Radio Unit
- 1 x Power Cable
- 1 x USB/LVDS Cable
- 1 x Mounting Bracket (Note: Rear bracket may vary by model)
- 1 x Set of Installation Tools
- 1 x Installation Instructions (this manual)



Image: A visual representation of the product accessories, including the 12.3-inch screen, power cable, USB/LVDS cable, mounting bracket, and a set of installation tools.

4. INSTALLATION

The installation of this car radio is designed to be non-destructive, meaning no original car cables will be damaged. The process

primarily involves removing the original car display and replacing it with the new touchscreen unit. Professional installation is recommended to ensure proper functionality and to avoid any potential damage to your vehicle's electrical system.

Installation Steps (General Overview):

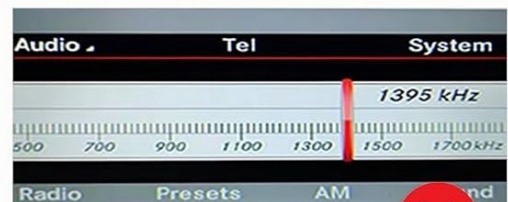
1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected. Gather all necessary tools.
2. **Remove Original Display:** Carefully remove the original car display unit and its associated wiring.
3. **Connect Wiring:** Connect the provided power cable, USB/LVDS cable, and other necessary accessories to the new touchscreen unit and the vehicle's existing wiring harness. Ensure all connections are secure.
4. **Mount New Display:** Secure the new 12.3-inch touchscreen unit using the provided mounting bracket.
5. **Test Functionality:** Reconnect the battery and turn on the ignition to test all functions of the new unit, including audio, touchscreen response, and compatibility with original car features.
6. **Reassemble:** Carefully reassemble any removed trim or panels.

Questo dispositivo è compatibile con la mia auto?

Nota: Prima di acquistare, assicurati che il sistema della tua auto sia NTG5.0/5.1/5.2. Se non riesci a verificarlo da solo, puoi chiedere il nostro aiuto.



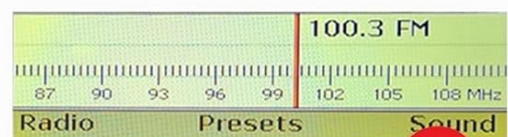
NTG5.0----- Compatibile



NTG4.5----- Non compatibile



NTG4.7----- Non compatibile



NTG4.0----- Non compatibile



Image: A side-by-side comparison showing the original car radio display (Before) and the Ninetom 12.3-inch touchscreen installed (After), demonstrating the visual upgrade.



Image: Another perspective of the car interior, illustrating the transformation from the factory radio to the integrated Ninetom touchscreen.

5. OPERATING INSTRUCTIONS

The Ninetom touchscreen car radio offers a user-friendly interface with various connectivity options. The 1920x720 resolution ensures a clear and vibrant display.

5.1. Apple CarPlay and Android Auto

The unit supports both wireless and wired Apple CarPlay and Android Auto. These integrated functions allow you to access your smartphone's features directly on the car radio display.

- **Navigation:** Use your preferred map applications for real-time directions.
- **Communication:** Make and receive phone calls, send messages, and access notifications.
- **Media:** Play music, podcasts, and audiobooks from your smartphone.
- **Voice Control:** Utilize voice assistants (Siri for CarPlay, Google Assistant for Android Auto) for hands-free operation.

Note: This system mirrors your phone's compatible applications; it does not allow for direct installation of new apps onto the car radio itself.

CarPlay e Android Auto integrati

Dotato di funzione CarPlay, non è necessario acquistare accessori aggiuntivi

SISTEMA LINUX

- 1 Supporta il precaricamento della mappa più recente
- 2 Supporta vari software di navigazione
- 3 Supporta più lingue



Supporta Mirror-Link
Microfono integrato



Per iPhone



Per telefoni Android

Image: The car radio display showing the Apple CarPlay interface on the left and the Android Auto interface on the right, demonstrating their distinct user environments.



 Carplay



 Android Auto



 Mirrorlink

Image: Three distinct car dashboard displays illustrating the Wireless CarPlay, Wireless Android Auto, and Mirrorlink connectivity options, each with unique interface elements.

5.2. Mirrorlink Function

The Mirrorlink function allows you to mirror your smartphone's screen directly onto the car radio display. This is useful for displaying content not natively supported by CarPlay or Android Auto.

5.3. Original System Integration

This upgraded screen retains all original vehicle functions. You can seamlessly switch between the new Linux system and your car's original NTG system. Supported original functions include:

- Original car radio and amplifier functions
- Factory rear camera and trajectory display
- Door opening information and fuel quantity display
- Factory joystick control
- Steering wheel controls

No software modifications are made to the vehicle's control unit.

Sistema originale NTG5.0/5.1/5.2 e sistema Linux

- Supporta tutte le funzioni originali, come radio di fabbrica, navigazione GPS, bluetooth, DVD/CD, ecc.
- Supporta telecamera di retromarcia di fabbrica con traiettoria, avviso apertura porte, ecc.
- Supporta joystick originale, manopola di comando di fabbrica, controllo del cambio e funzioni di controllo al volante.



Sistema originale



Nuovo touchscreen



Traiettoria di retromarcia



Cambio schermo con un tocco



Supporta radio CD



Controllo al volante



Audio originale dell'auto



Joystick originale



Controllo cambio originale

Image: A collage of images demonstrating how the new touchscreen integrates with and retains original car functions such as the factory system display, rear camera view, screen switching, CD radio support, steering wheel controls, original car audio, original joystick, and original gear shift control.



Image: A close-up of the car's steering wheel controls, highlighting buttons for volume adjustment and voice commands (e.g., "Hey, Siri"), indicating seamless integration with the new system.

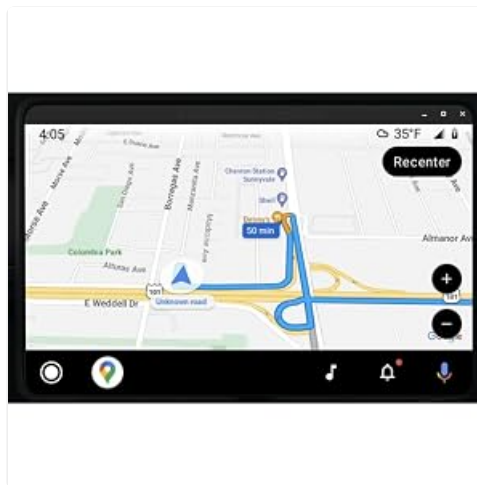


Image: The navigation application interface displayed on the car radio, showing a map with a highlighted route, current location, destination, and estimated travel time.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Ninetom car radio, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth specifically designed for electronic screens. Gently wipe the screen to remove dust and fingerprints. Avoid abrasive cleaners or harsh chemicals.
- **Software Updates:** Periodically check for available software updates from the manufacturer to ensure you have the latest features and bug fixes.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect its electronic components.
- **Protect from Liquids:** Keep liquids away from the unit to prevent short circuits or damage.
- **Secure Connections:** Periodically check that all cables and connections are secure to prevent intermittent issues.

7. TROUBLESHOOTING

If you encounter any issues with your Ninetom car radio, refer to the following troubleshooting tips:

7.1. Unit Does Not Power On

- **Check Power Connection:** Ensure the power cable is securely connected to both the unit and the vehicle's power source.

- **Vehicle Battery:** Verify that your car battery has sufficient charge.
- **Fuses:** Check the vehicle's fuse box for any blown fuses related to the car radio.

7.2. Screen is Blank or Flickering

- **Cable Connections:** Ensure the LVDS cable and other display-related cables are firmly connected.
- **Restart Unit:** Try restarting the unit by turning off the vehicle's ignition, waiting a few minutes, and then restarting.
- **Temperature:** Extreme temperatures can affect screen performance. Allow the car interior to normalize.

7.3. CarPlay/Android Auto Not Connecting

- **USB Cable:** If using a wired connection, ensure you are using a high-quality USB data cable.
- **Bluetooth/Wi-Fi:** For wireless connections, ensure Bluetooth and Wi-Fi are enabled on your smartphone and paired correctly with the car radio.
- **Phone Settings:** Check your phone's settings to ensure CarPlay/Android Auto is enabled and allowed to connect to the car.
- **Compatibility:** Confirm your smartphone's operating system version is compatible with CarPlay/Android Auto.

7.4. Original Car Functions Not Working

- **System Switch:** Ensure you have correctly switched back to the original NTG system if you are trying to access its specific functions.
- **Wiring:** Double-check all wiring connections, especially those related to the original car system integration.

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

8. SPECIFICATIONS

Feature	Description
Brand	Ninetom
Model Number	RT-LN-NTG50-12-B-DE
Screen Size	12.3 inches
Screen Type	TFT Touchscreen
Resolution	1920x720
Connectivity Technology	Bluetooth, Wired
Special Features	Spotify, Touchscreen, Apple CarPlay (Wireless/Wired), Android Auto (Wireless/Wired), Mirrorlink
Tuner Technology	Digital (FM, DAB+)
Audio Output Mode	Stereo
Power Source	Wired
Compatible Devices	Smartphone
Manufacturer	Zhanjiang Naituo Trading Co., Ltd.
Country of Origin	China

9. WARRANTY AND SUPPORT

Your Ninetom 12.3-inch Touchscreen Car Radio comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures professional after-sales service and installation support.

For technical assistance, troubleshooting, or warranty claims, please contact Ninetom customer support through the retailer where you purchased the product or refer to the contact information provided with your purchase documentation. When contacting support, please have your model number (RT-LN-NTG50-12-B-DE) and proof of purchase readily available.

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