

X156 C117

# Linux Screen Wireless CarPlay Android Auto Touch Screen User Manual

Brand: Generic | Model: X156 C117

## 1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and use. Improper installation or use may cause damage to the product or vehicle. Ensure the vehicle is turned off and the parking brake is engaged before beginning installation. Professional installation is recommended.

## 2. PRODUCT OVERVIEW

This Linux-based touch screen system provides a smooth and intelligent infotainment experience for your Mercedes-Benz vehicle. It supports various connectivity methods and offers personalized customization.

- Smooth and intelligent infotainment experience:** Thanks to the lightweight design of the Linux system, it boots up quickly, runs smoothly, and responds promptly to operations, eliminating lag and delays.
- Seamless multi-device connectivity:** Supports various connection methods such as Bluetooth and Wi-Fi, enabling effortless data synchronization between your mobile phone and the in-vehicle infotainment system. Switch between navigation and music at will.
- Personalized system customization:** With the high degree of freedom of the Linux system, you can adjust the interface layout and theme style according to your personal preferences, creating an exclusive in-vehicle interactive interface.
- Stable, reliable security protection:** The Linux system has a robust security mechanism, effectively resisting cyber threats and providing solid protection for driving data and privacy.
- Continuous functional iteration and upgrades:** Relying on the open-source ecosystem of Linux, you can continuously obtain new functions and optimized updates, maintaining the advanced nature and practicality of the in-vehicle infotainment system.

## Please Confirm Your Car Original System



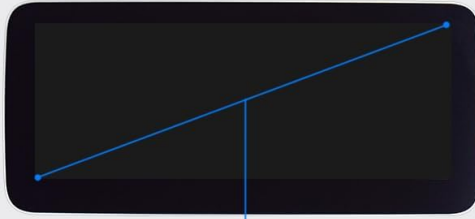
Image: Linux Screen Wireless CarPlay Android Auto Touch Screen installed in a Mercedes-Benz dashboard, showing the sleek integration and large display.

### 3. WHAT'S IN THE BOX

The product package includes the following items:

- Power cable
- 10.25-inch Linux Touch Screen
- Various wiring harnesses and connectors
- Instruction manual

# Product size / Accessories List



10.25 inch



Back



Image: A comprehensive view of the product contents, including the 10.25-inch screen, power cables, various harnesses, and the user manual.

## 4. COMPATIBILITY

This device is compatible with Mercedes-Benz A Class W176, GLA Class X156, CLA Class C117, and G Class W463 models from 2016 to 2018, specifically those equipped with the original NTG5.0 system. Please confirm your car's original system before installation.

# 10.25 inch Android Auto Touch Screen

For Mercedes Benz A Class W176 2016-2018 **NTG 5.0**

For Mercedes Benz GLA Class X156 2016-2018 **NTG 5.0**

For Mercedes Benz CLA Class C117 2016-2018 **NTG 5.0**

For Mercedes Benz G Class W463 2016-2018 Original **NTG 5.0**



Image: Visual guide showing compatibility with Mercedes-Benz NTG5.0 systems, distinguishing it from incompatible NTG4.0 and NTG4.5 systems.

## 5. INSTALLATION GUIDE

Follow these steps for proper installation of your Linux Screen Wireless CarPlay Android Auto Touch Screen. It is recommended to seek professional assistance if you are unsure about any steps.

### 5.1. Disassembly of Original Components

1. Pry out the air-conditioning trim panel with a rocker tool, then place the trim panel to one side.
2. Pry out the upper and lower trim panels of the instrument panel with a rocker tool.
3. Remove two fixing screws from the instrument panel.
4. Pull the original display screen outward, take it out, and then remove the power cord and LVDS plug.
5. Remove the fixing screws of the host panel.
6. Pull the host of the original vehicle outward, take out the host, then hold the buckle of the ISO plug of the host and pull it backward to take out the ISO plug of the host.
7. Press the small buckle on the original ISO wire head with tweezers, and take out the 2P orange optical fiber cable.

### 5.2. Wiring and Connections

8. Thread the ISO harness and RCA harness through the center console to the base of the display with threading tools and electrical tape.

9. Pry open the side cover of the storage box with a rocker tool.
10. Thread the plug ends of the 4G antenna and GPS antenna through the storage box to the base of the display screen.
11. Pass the 2 USB sockets through the storage box and put them into the storage box.
12. Tear off the double-sided adhesive tape behind the 4G antenna and GPS antenna and paste them on the dashboard. Plug the excess wire into the gap above the storage box, and press the exposed harness into the gap with a rocker tool.
13. Plug the 2P orange optical fiber cable behind the female head of the Android ISO cable.
14. Connect the ISO plug of the original host to the male of the Android ISO harness.
15. Connect the Android ISO cable female to the back of the original host. Insert the plug and press the buckle to make it firmly installed.
16. Install the original host back to its original position, confirm that it is installed in place, and then lock and fix the original host.
17. Install the three panels of the instrument cluster back into place.
18. Connect the original display LVDS cable to the Android LVDS cable on the RCA harness.
19. Install the base of the Android device in the middle of the dashboard and lock the fixing screw.
20. At this time, check that the plug ends of the Android ISO harness, RCA harness, 4G antenna, and GPS antenna are on the display base.
21. Connect the plugs of the Android ISO harness, 4G antenna, GPS antenna, and RCA harness to the back of the Android device.
22. Put two metal clips on the base.
23. Install the Android device on the base, and lock the screw behind it to fix the Android device.

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Video: Detailed installation guide for a YEEHUNG 12.3-inch Android screen in a Mercedes-Benz W204, demonstrating step-by-step disassembly and assembly.

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Video: Instructions on how to relocate optical cables to the Linux harness for Mercedes-Benz vehicles, ensuring proper audio functionality.

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Video: Guide on connecting the fiber optic cable to the new power cable, a crucial step for audio integration.

## 6. OPERATING INSTRUCTIONS

After successful installation, follow these steps to operate your new touch screen system.

### 6.1. Initial Power On and System Check

1. Turn on the ignition and power on the car.
2. Check whether the Android device can be started normally.
3. Verify that all functions are normal.

### 6.2. Wireless Connectivity (CarPlay/Android Auto)

The system supports seamless wireless connectivity for Apple CarPlay and Android Auto.



# Wireless Connectivity

Calls/Messages/Navigation/Music/News...



Image: Illustration of wireless connectivity options including Apple CarPlay, Android Auto, and Mirror Link, showing integration with smartphones and the car display.

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Video: Demonstrates how the NTG5.0 Linux screen connects to the OEM Bluetooth using CarPlay, ensuring proper audio routing.

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Video: A quick guide on how to connect and use CarPlay and mirroring functions with the new system.

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Video: Instructions on how to set up AirPlay on Mercedes-Benz vehicles using the new touch screen.

## 7. TROUBLESHOOTING

### 7.1. No Sound Issue

If you encounter a 'no sound' issue after installation, please refer to the following steps:

1. Ensure the original car's Bluetooth is disconnected from your phone.
2. Go to the car's settings and select the 'Auto Switch to AUX' feature.
3. If there is still no sound, connect the AUX harness.
4. Check the AB ground plugs and disconnect/connect them as needed.
5. Check if there is a fiber optic cable in the OEM ISO harness; if so, adapt it to the PEMP ISO harness.

6. Ensure the ISO harness is plugged in and not loose.
7. Finally, check that the power cable and LVDS on the back of the machine are not loose; re-plug them if necessary.

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Video: A detailed guide on how to diagnose and fix common 'no sound' issues after installing the car audio system.

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Video: Explains how to connect the NTG5.0 Linux screen to OEM Bluetooth using a Bluetooth transmitter to resolve sound issues.

## 8. SPECIFICATIONS

- **Package Dimensions:** 16 x 13 x 5 inches
- **Item Weight:** 10.4 ounces
- **ASIN:** B0F7X5FLWT
- **Date First Available:** May 8, 2025
- **Manufacturer:** Z
- **Brand:** Generic
- **Connectivity Technology:** Bluetooth
- **Controller Type:** Touch Screen
- **Special Feature:** Built-In Bluetooth
- **Compatible Devices:** Car
- **Total HDMI Ports:** 1
- **Connector Type:** 3.5mm Jack, RCA
- **Audio Output Mode:** Stereo, Surround
- **Surround Sound Channel Configuration:** 5.1
- **Video encoding:** H.264, H.265/HEVC

## 9. WARRANTY AND SUPPORT

For extended protection, consider purchasing a protection plan:

- **2-Year Protection Plan:** Available for purchase.
- **3-Year Protection Plan:** Available for purchase.
- **Complete Protect:** One plan covers all eligible past and future purchases (monthly subscription).

For further assistance or technical support, please contact customer service.