YEEHUNG YH-7115

YEEHUNG 12.3" Android 13 Car Multimedia System User Manual

Model: YH-7115

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the YEEHUNG 12.3" Android 13 Car Multimedia System. This system is specifically designed for Mercedes-Benz 2012-2015 ML GL Class W166 X166 vehicles equipped with the NTG4.5 OEM host system. Please read this manual thoroughly before installation and use to ensure proper functionality and to avoid potential issues.

Figure 1.1: YEEHUNG 12.3" Android 13 Car Multimedia Screen
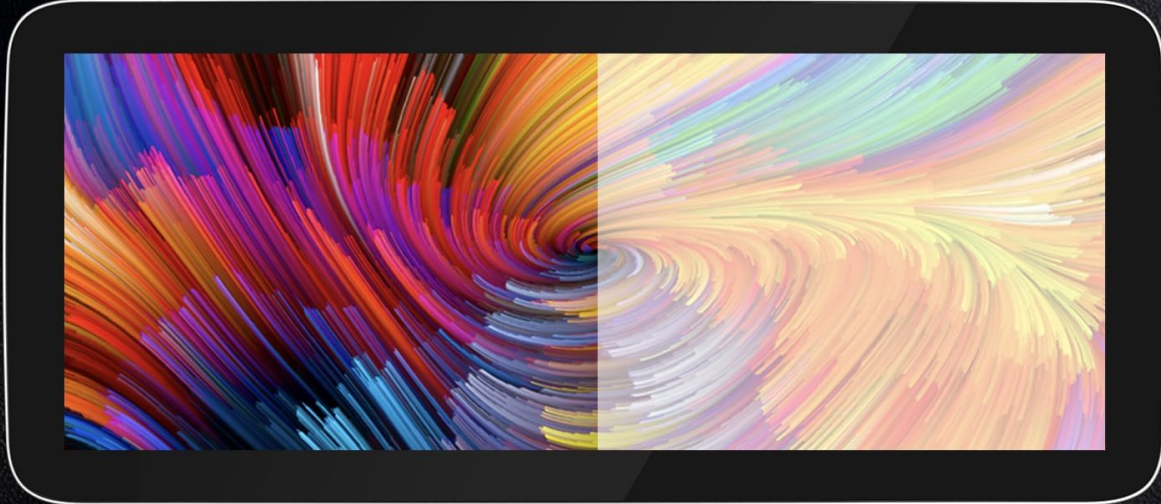
2. PRODUCT OVERVIEW

The YEEHUNG 12.3" Android 13 Car Multimedia System offers an enhanced in-car entertainment and navigation experience. It features a blue anti-glare HD screen with a resolution of 1920x720, powered by an 11 nm Qualcomm Snapdragon 662 8-core high-speed processor, 8GB RAM, and 128GB internal memory. The system supports wired and wireless CarPlay, Android Auto, and wireless mirror link functions.

Key Features:

- **Display:** 12.3-inch Blue Anti-Glare HD Screen (1920x720 resolution), multi-point capacitive touch, IPS panel, 178° ultra-wide viewing angle.
- **Processor:** Qualcomm Snapdragon 662 8-core (4x A73 2.0GHz + 4x A53 1.8GHz).
- **Memory:** 8GB RAM (LPDDR4X) + 128GB Storage (eMMC 5.1).
- **Operating System:** Android 13.
- **Connectivity:** Built-in Wi-Fi, USB ports, Bluetooth 5.0.
- **Integration:** Supports wired and wireless CarPlay, Android Auto, and wireless Mirror Link.
- **Original Car System Retention:** Retains original car knob and steering wheel controls, original radio, amplifier, rear view camera, and reverse trajectory.
- **Additional Functions:** Supports split screen, Google Play, online voice control, and multiple languages.

Fully laminated HD anti-glare screen

At the same time to ensure the clarity of the screen,
can greatly absorb the bright light and reduce the reflection of light,
greatly ensuring the safety of driving

Anti-glare screen

Clear display, non-reflective
and not easy to fatigue

Non-glare screen

Screen reflection is
not clear and easy to fatigue

12.3"

Easier to operate

1920*720

More realistic display

IPS

touch screen

178°

Ultra Wide Viewing Angle

High color rendition   **4K video play**   **Automatic backlight adjustment**

Figure 2.1: Anti-Glare Screen Features

Fully laminated HD anti-glare screen

12.3"	1920*720	IPS	178°
Easier to operate	More realistic display	touch screen	Ultra Wide Viewing Angle

Snapdragon 662

8-core	8+128G	Android 13	22W+
4xA73 2.0Ghz	eMMC 5.1	high performance	AnTuTu
4xA53 1.8Ghz	LPDDR4x	Low power consumption	Test Score

Figure 2.2: Snapdragon 662 Processor Details

3. COMPATIBILITY

This multimedia system is compatible with the following Mercedes-Benz models and OEM host systems:

- **Vehicle Models:** Mercedes-Benz ML300, ML320, ML350, ML400, ML500, ML550 (2012-2015)
- **Vehicle Models:** Mercedes-Benz GL350, GL400, GL500, GL550 (2012-2015)
- **Chassis Numbers:** W166, X166
- **OEM Host System:** NTG4.5

Important: If your car's model year is not within the indicated range, please verify compatibility by providing a photo of your OEM host system to the seller. Ensure your vehicle has the NTG4.5 system. You can identify your NTG version by referring to the user interface and host panel of your original car.

You can refer to the manual to check the NTG version. If the manual is lost.

Please judge the NTG version according to the UI and host panel of the original car.

NTG 4.0 UI

NTG 4.0
The button is C or CLR

NTG 4.5 \ 4.7 UI

NTG 4.5 \ 4.7
The button is CLEAR

NTG 5.0 \ 5.1 UI

NTG 5.0 \ 5.1
Flat button or hide button

Figure 3.1: NTG Version Identification Guide

For ML W166(2012-2015) NTG 4.5
For GL X166(2012-2015) NTG 4.5

The interface of the original car is like this

The LVDS of the original display screen is **4Pin**, not **10Pin**

The COMAND system knob is like this

The button is "**CLEAR**", not **C** or **CLR**

Figure 3.2: NTG 4.5 System Visual Confirmation

4. WHAT'S IN THE BOX

Upon unboxing, please ensure all the following components are present:

- 1 x 12.3" Multimedia Panel
- 1 x Base
- 1 x ISO Wiring Harness
- 1 x RCA Cable
- 1 x Speaker (Optional)
- 1 x 4G Antenna
- 1 x GPS Antenna
- 1 x Microphone
- 1 x AMI Decoder
- 1 x Installation Manual
- 1 x User Manual

Figure 4.1: Package Contents

5. INSTALLATION GUIDE

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation. This system is designed for 'no injury installation', meaning no need to damage original vehicle wires.

5.1 Precautionary Note on AUX Audio

If your NTG4.5 system does not have an AUX menu, you must activate the AUX menu for the Android system's sound to function. You will need to connect the audio output from the new system to your car's AUX input. This can be done via an AMI cable or by using the Audio out on the ISO cable to interface with the car's AUX jack, depending on your car's interface type.

Figure 5.1: Audio Out to AMI Connection

Figure 5.2: Audio Out to AUX IN Connection

5.2 Wiring and Connections

Carefully connect all wiring harnesses as per the provided installation manual. Ensure all connections are secure. The system is designed to integrate with your existing vehicle wiring without modification.
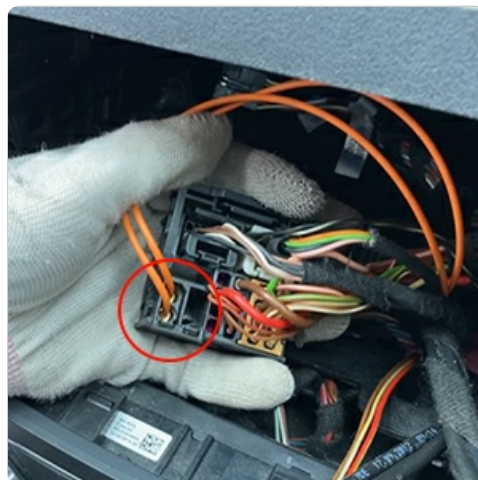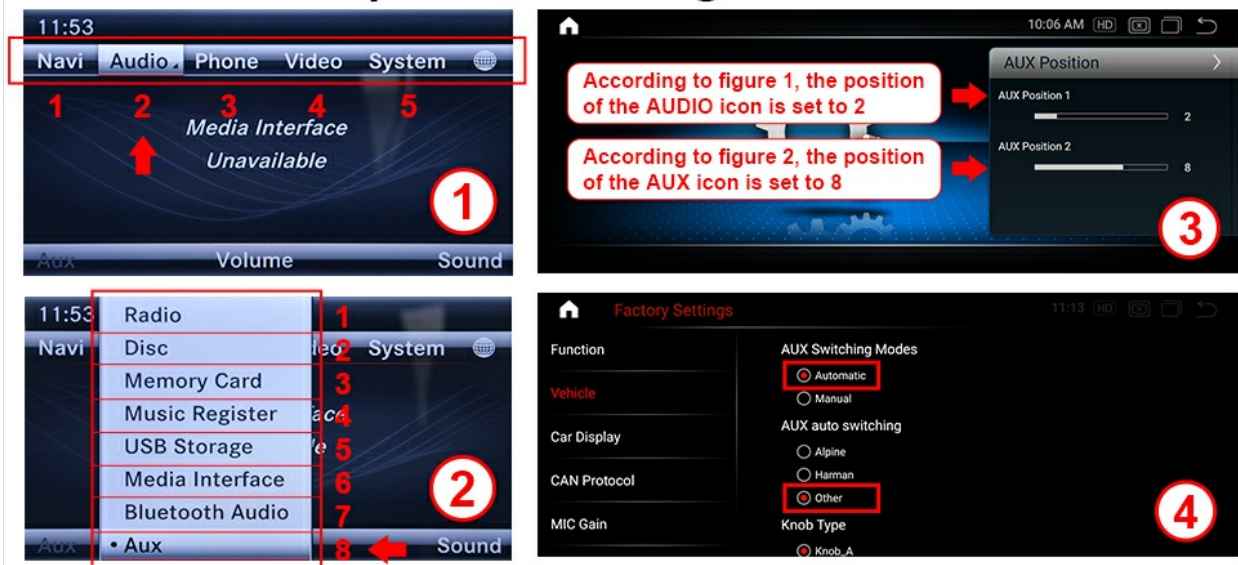

Figure 5.3: Wiring Connection Example

5.3 AUX Activation and Automatic Switching (NTG 4.5/4.7)

For NTG4.5 and NTG4.7 systems with original car AUX function, follow these steps to set up automatic AUX switching:

1. On the original car interface, navigate to the AUDIO menu. Set the position of the AUDIO icon to '2'.

2. Within the AUDIO menu, locate the AUX icon and set its position to '8'.

3. Access the Factory Settings of the Android device.

4. Under 'AUX Switching Modes', select 'Automatic' or 'Other' as appropriate for your vehicle.

5. Ensure 'AUX Activate' is checked in the settings.

6. Verify the 'CAN Protocol' is set to 'BC_Protocol_type_4.5'.

7. Confirm 'Car Display' settings are appropriate for NTG4.0/NTG4.5 (e.g., 800x480 or 400x240 depending on original screen resolution).

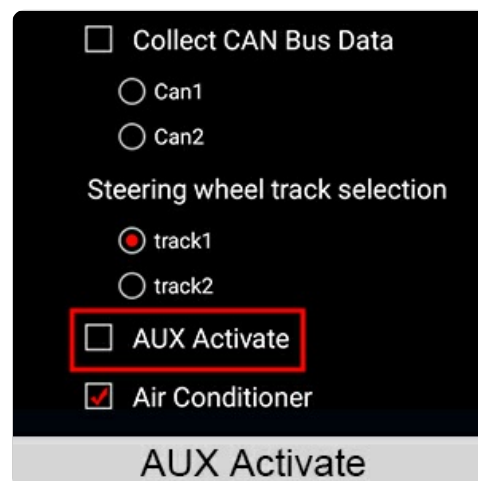Figure 5.4: Automatic AUX Switching Setup
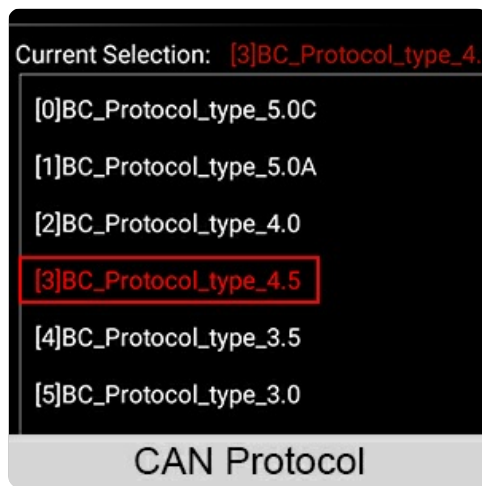

Figure 5.5: AUX Activate Setting
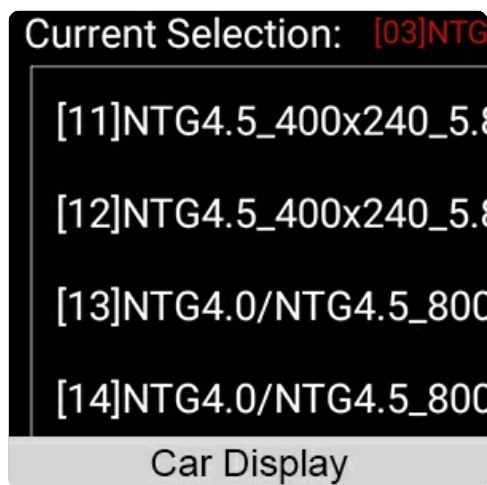
Figure 5.6: CAN Protocol Setting

Figure 5.7: Car Display Setting

5.4 Post-Installation Check

After completing the cable and device installation, re-route all original cables to their proper positions. Before restoring covers and panels, turn on the Android device and thoroughly test all functions to ensure they are operating normally.

6. OPERATING INSTRUCTIONS

The YEEHUNG multimedia system integrates seamlessly with your vehicle's existing controls while offering advanced Android functionality.

6.1 Basic Navigation and Interface

The 12.3-inch touchscreen allows for intuitive navigation through the Android interface. Swipe, tap, and use multi-touch gestures to control applications and settings. The system also supports online voice control functions when connected to a network.

Figure 6.1: CarPlay Interface

Figure 6.2: Android Auto Interface

Figure 6.3: Video Playback

6.2 CarPlay and Android Auto

The system supports both wired and wireless CarPlay and Android Auto. Connect your smartphone to access navigation, music, messages, and other compatible apps directly on the car's display. The wireless mirror link function also allows mirroring your phone's screen.

Figure 6.4: CarPlay and Android Auto Functionality

6.3 Retained OEM Functions

The YEEHUNG system is designed to retain all original car functions. You can continue to use your original car knob (COMAND knob), steering wheel controls, original car radio, amplifier, and factory rear view camera with reverse trajectory. The system supports dual system switching (NTG 4.5) allowing access to both the original car system and the Android system.

Figure 6.5: Retained OEM System Features

7. SPECIFICATIONS

Feature	Specification
Item Weight	7.28 pounds
Product Dimensions	12.83 x 11.02 x 7.48 inches
Item Model Number	YH-7115
Display Size	12.3 Inches
Display Resolution	1920x720
Memory Card Slot	SD
Voice Command	Touchscreen
Brand	YEEHUNG

Feature	Specification
Vehicle Service Type	Car
Special Feature	Bluetooth, Touchscreen
Connectivity Technology	Bluetooth, USB, Wi-Fi, Wireless
Map Type	North America
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

8. TROUBLESHOOTING

8.1 No Sound from Android System

Symptom: The Android system is powered on and displays correctly, but there is no audio output.
Solution: This typically indicates that the AUX menu in your original NTG4.5 system is not activated or the audio output from the Android unit is not correctly connected to the car's AUX input. Refer to Section 5.1 and 5.3 for detailed instructions on activating AUX and setting up the audio connection.

8.2 System Not Responding / Freezing

Solution: Try restarting the device by turning off the car's ignition and waiting for a few minutes before restarting. If the issue persists, check all power connections. A factory reset might be necessary as a last resort (consult the separate installation manual for factory reset procedures).

8.3 Connectivity Issues (Bluetooth/Wi-Fi)

Solution: Ensure the antennas (4G and GPS) are correctly installed and secured. Check the system settings for Bluetooth and Wi-Fi to ensure they are enabled. If connecting to a phone, ensure the phone's Bluetooth/Wi-Fi is also on and discoverable.

9. MAINTENANCE

The YEEHUNG 12.3" Android 13 Car Multimedia System requires minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates through the system's settings menu to ensure you have the latest features and security patches.
- **Environmental Conditions:** Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods, as this can affect performance and lifespan.
- **Cable Integrity:** Ensure all cables remain securely connected and are not pinched or damaged.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

- **Within 1 Month:** Free returns according to Amazon rules. Contact Amazon Buyer Services for return

procedures.

- **Within 12 Months:** Free warranty service for non-human damage. The customer is responsible for shipping costs within the U.S. for product return and repair.
- **After 1 Year:** Repair service is available. In addition to U.S. postage, customers will be responsible for the cost of replacement parts and labor.

10.2 Customer Support

If you encounter any problems or have questions regarding your YEEHUNG multimedia system, please contact our customer support team. Clearly describe your issue to facilitate a quick resolution. We aim to reply within 24 hours.

For general inquiries or to verify compatibility, you may also refer to the YEEHUNG Store on Amazon.

Related Documents

	[YEEHUNG Android Car Multimedia User Manual](#) User manual for the YEEHUNG Android Car Multimedia system, covering installation, features, settings, and troubleshooting.