

INSTRUCTION MANUAL

DIZPLAY

screen replacement

Linux-Based 10.25" touchscreen smart monitor replacement for Mercedes NTG systems

REV 1.0

1) BASIC CARE

- WARNING: Never start installation with the vehicle ignition switched on. Always check that the vehicle is completely switched off.
- The product must be installed by a qualified professional.
- Never modify the product in any way. Doing so may cause electric shock or burn you, resulting in loss of warranty.
- Immediately disconnect the product if you notice that your product is emitting smoke, a burning smell, or strange noises, and contact us to request technical support.
- Do not allow the product to come into contact with liquids. Liquid in the enclosure may cause a fire, electric shock, or damage to the device. Immediately disconnect the interface from the power supply if any object or liquid falls inside the device.
- When connecting the power connector, carefully check that the battery, post-ignition, and ground wires are properly connected and insulated.
- The product warranty does not cover damage caused by drops, liquids, or misuse. The warranty covers manufacturing defects only.

2) COMPONENTS



• 10.25” DIZPLAY



• Mounting Bracket
(varies on vehicle model)



• Main T-Harness



• USB Harness



• Mounting bolts/screws (will vary based on dash and kit)



• AMI Adapter
(only included for
NTG4/NTG45 Kits)

3) DASH DISASSEMBLY

3.1 - NTG4 EXAMPLE

1 - Remove the upper vents using a plastic panel tool (pulls straight out)







3 - Remove the screws securing the radio



4 - Pull out the radio.

5 - Remove the connector







6 - Disconnect the Quadlock plug from radio and remove fiber optic line (if equipped)

3.2 - SCREEN REMOVAL



1 - Remove the plastic cover tabs



2 - Remove the screws that are holding the screen



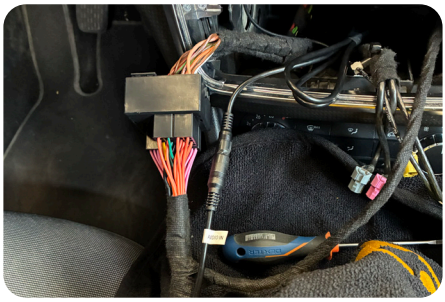
3 - Pull the screen carefuly and remove connectors

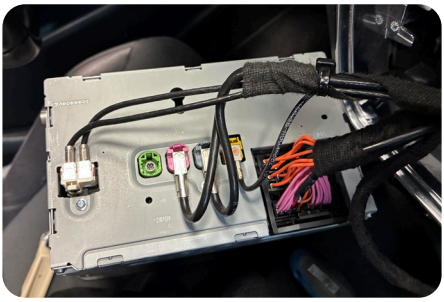
3.3 - DIZZPLAY HARNESS INSTALL



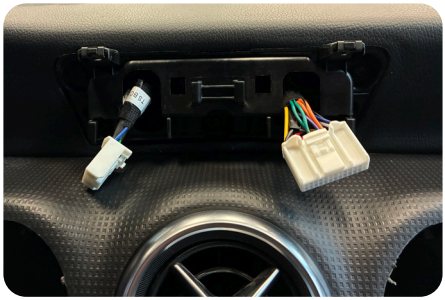
1 - Remove the cables from the OEM screen (you will need to route the DIZZPLAY cables).

3 - Connect the LVDS and main harness to the new harness provided (see the diagram on the following pages).





4 - Connect the new cables provided to the DIZZPLAY





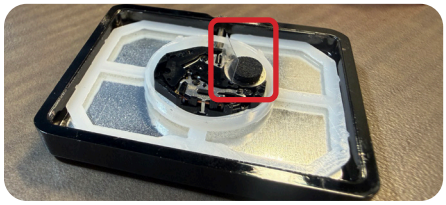
3.1 - ML/GL KIT EXAMPLE - SETTING THE CLOCK



1 - Pry clock from dash panel (using plastic tool).



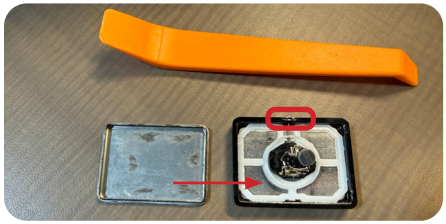
2 - Pry open back metal panel from clock



3 - Pull plastic tab to engage battery



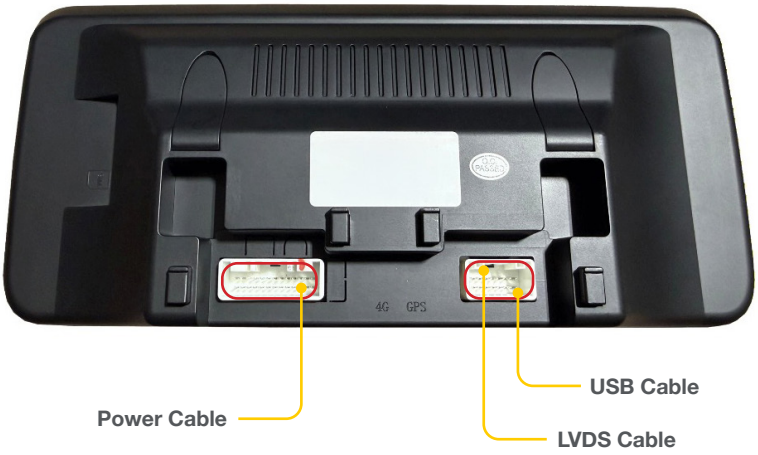
4 - Set current time by rotating top dial just as you would with a wristwatch.



5 - Replace back metal panel to clock face with notch at the top



6 - Peel off plastic adhesive and press into dash panel firmly.


4G
GPS
Power Cable
USB Cable
LVDS Cable

4) DIZPLAY INSTALLATION

4.1 - CONNECTION DIAGRAM

1 - Connect the T-Harness in place of the OE Mercedes main Radio Harness. Make sure to remove the fiber-optic cable (if equipped) and connect to the provided plug so that the radio is still connected to it.

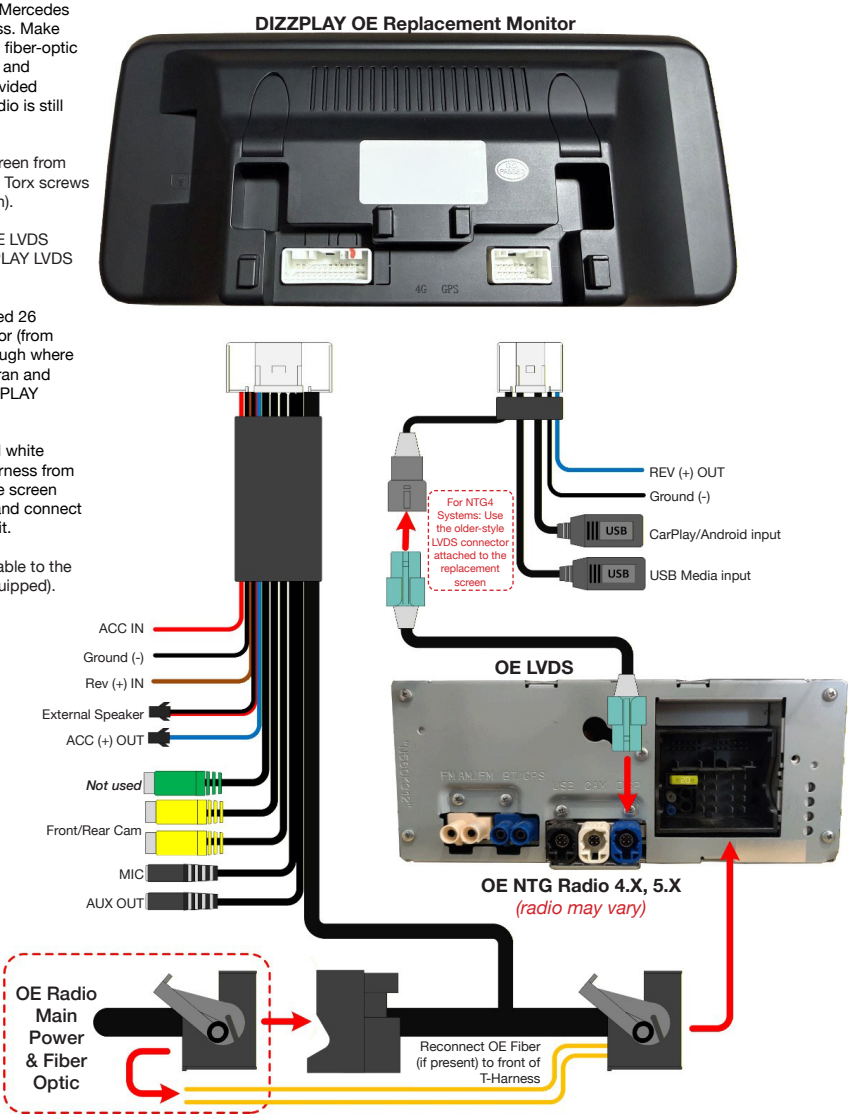
2 - Remove the screen from the dash (usually 2 Torx screws secure to sub-dash).

3 - Connect the OE LVDS video to the DIZZPLAY LVDS connector.

4 - Run the provided 26 PIN white connector (from T-Harness) up through where the LVDS cable is ran and connect to the DIZPLAY screen.

5 - Run the 16-PIN white connector USB harness from the glovebox to the screen through the dash and connect to the DIZPLAY unit.

6 - Run the AUX cable to the OE AUX port (if equipped).



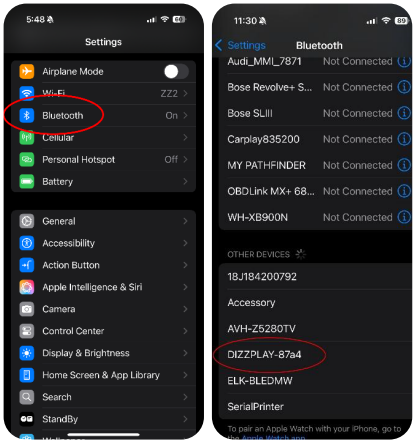
PLEASE NOTE:

There are various dash designs for mounting the central display screen to the sub-dash. Each DIZPLAY kit includes a custom model-specific mounting bracket for your vehicle model. Some kits include a set of screws to attach the monitor to the bracket, then another set to the sub-dash. Other kits just snap to the monitor and use existing OEM bolts to secure to the sub-dash. Some vehicles have no bracket at all and the new monitor will bolt it in-place of the factory monitor.

5) CARPLAY / ANDROID AUTO CONNECTION

5.1 - BLUETOOTH

Once the everything is installed and you are able to access the DIZZPLAY main menu, it is time to connect a smartphone. Connection for both Apple and Android is mostly the same: it requires WIFI and Bluetooth to be turned ON and the connection begins with Bluetooth.



1 - On the phone go to the Bluetooth setup (**SETTINGS > BLUETOOTH** – look for new connections at the bottom).

2 - Look for the name 'DIZZPLAY-XXXX' to display and connect to it.

3 - Stay in that program window until connection is complete. Press '**Allow**' to all requests and choose 'Connect to CarPlay' (or Android Auto) when prompted.

5.2 - AIRPLAY (APPLE ONLY)

1 - On the DIZZPLAY main menu, choose the **Settings gear > Smart Phone**, turn on 'AIRPLAY' and turn off the others.

2 - Turn on the WIFI switch of the screen and connect to your iPhone personal hotspot. Pull down on the **top-right** of the iPhone, select the screen mirror icon (two boxes) and choose the DIZZPLAY unit to mirror the phone.
NOTE: Apple applications limit mirroring to YouTube only (or stored video on the phone itself). If you want to stream other apps like NETFLIX etc, you will need the ZZ2 ZZAIR PRO or ZEUS unit (sold separately)

5.2 - MIRROR LINK (ANDROID ONLY)

1 - Download and install the 'Auto-link Pro' App on your Android phone (from Play Store)

2 - Set up-Smart Phone, turn on 'Autolink' and turn off the others

3 - Open the 'Auto-link Pro' App on your phone

4 - Connect "CAR-XXXXX". Allow 'Auto-link Pro' to use the mirror link function. NOTE: Android applications may limit mirroring to YouTube only (or stored video on the phone itself). If you want to stream other apps like NETFLIX etc, you will need the ZZ2 ZZAIR PRO or ZEUS unit (sold separately)

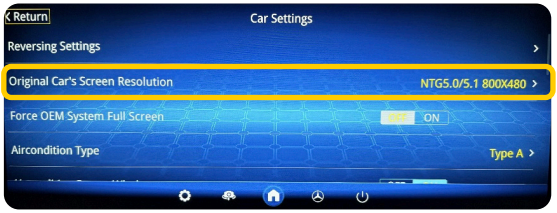
6) RESOLUTION

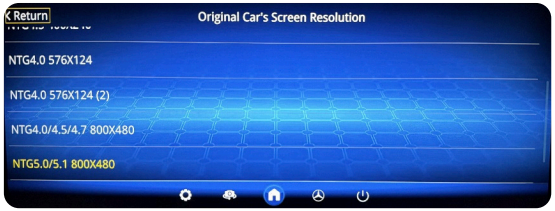
6.1 - OE SCREEN RESOLUTION SETUP

The screen may need to be changed to match the OEM resolution (to continue using OEM Mercedes system). This can be found in the setup of the DIZZPLAY unit.

Go to DIZZPLAY Settings (GEAR icon) and choose 'Car Settings'. Then choose 'Original Car's Screen Resolution'. All options for all resolutions available for NTG systems are here. Once chosen you may need to restart the car for changes to take effect.







6.2 - ORIGINAL SCREEN RESOLUTION OPTIONS

Radio Type	Screen Size	Resolution
NTG 4	5.8"	400x240
	5.8"	576x124
	7"	800x480
NTG 4.5	5.8"	400x240
	7"	800x480
NTG 4.7	7"	800x480
NTG 5	7"	800x480
	8.4"	960x540
NTG 5.1	8.4"	800x480
	8.4"	960x540

7) SETTINGS

7.1 - SOUND TRANSMISSION METHODS

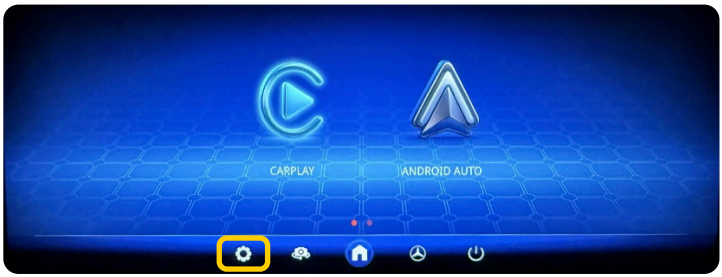
Two methods of audio transmission are available (For CCC must use AUX):

• AUX

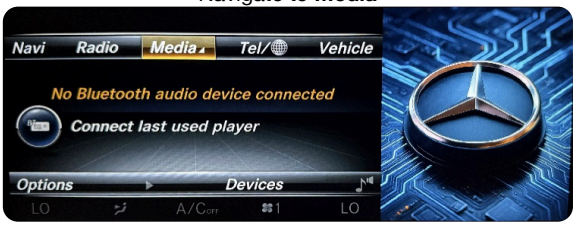
• Bluetooth Audio

The recommended method is using OE Bluetooth Audio. If the vehicle is equipped with Bluetooth phone & audio, connect the phone to the Mercedes radio using the factory phone setup. Choose the Mercedes icon on the DIZPLAY main menu to return to the OE menu to fully pair your phone.

If the vehicle is not equipped with Bluetooth Audio (music), then you must use AUX input which should be available from the OE system. Once again, choose the Mercedes icon from the main DIZPLAY screen, and go to 'Media' and choose 'Auxiliary'. If 'Auxiliary' is not an option, then go into the DIZPLAY settings>Car Settings>Select 'AUX Activation'.



Navigate to **Media**





For using Bluetooth Audio
Settings>System>Use Car's BT Channel ON

OR

For Using AUX
Settings>System>Use Car's BT Channel OFF

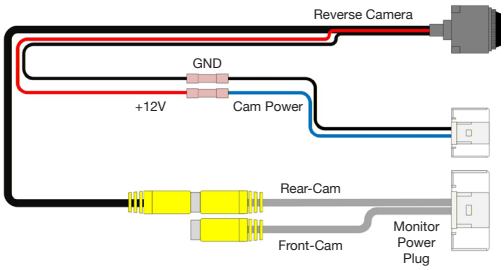
7.2 - REAR / FRONT CAMERA SETUP OPTIONS

The DIZZPLAY is setup default for an OEM rear camera – if your vehicle has an OEM rear camera and has an automatic transmission, the screen should flip to the reverse image while in reverse.

If the vehicle has an aftermarket camera or has a manual transmission, settings must be adjusted.

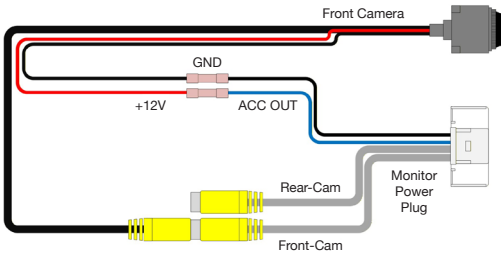
When adding an aftermarket camera, connect the camera signal and power to the DIZZPLAY unit as shown (right). **Change the reverse camera type to aftermarket in the reverse menu.**

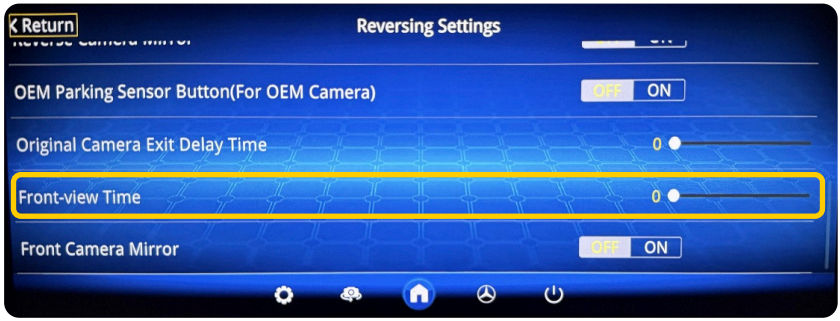
If the car has a manual transmission, use the ***pink*** 'BACK' wire for gear detection (connect to reverse 12V (+).



When adding a front camera
Connect the signal and power to the DIZZPLAY as shown (right).

To activate the front camera (only after reverse), you must set the 'Front View Time' first.
Go to : **DIZZPLAY SETUP>CAR SETTINGS>REVERSING SETTINGS>FRONT VIEW TIME**
and choose a set amount of time for the front camera timer (displays after leaving reverse gear)

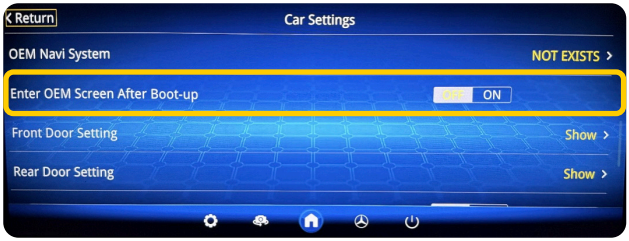




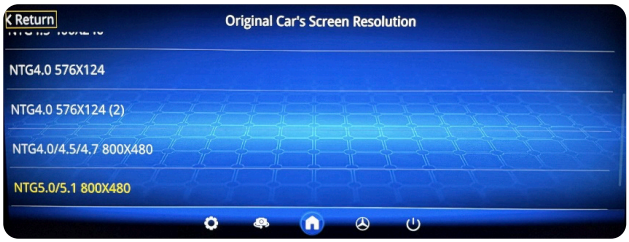
7.3 - IMPORTANT DIZPLAY SETTINGS

This page shows other menus which may need adjustment for your installation. Please go through the settings menu (gear on main menu) and go to Car Settings to adjust resolution settings or camera settings. Audio and display brightness settings will also be found inside the settings gear.

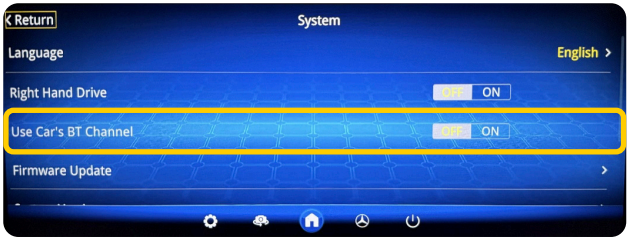
Use this setting if you prefer the system to start on the OEM Mercedes side instead of the screen OS.
NOTE: when the phone connects, it will still switch to CarPlay/Android Auto



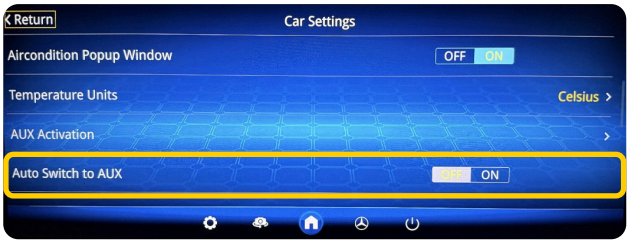
Due to the various NTG types, you may need to use the touchscreen to access this menu and adjust to the NTG setting which works best.



Use Car's BT Channel - use this setting (ON) if the vehicle has Bluetooth music streaming and telephone. Use OE Bluetooth source for sound when it is turned ON. If the vehicle is not equipped with Bluetooth music streaming (must be all or nothing), then this setting must be turned OFF and you must use Front AUX as your audio source.



For automatic AUX source switching (when system is turned ON), choose the applicable OE head unit type.



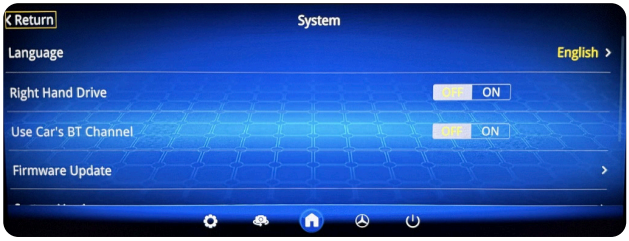
7.4 - SYSTEM SETTINGS

Language: Sets the system language.

Right Hand Drive: For RHD vehicles turn ON.

Use Car's BT Channel: If using the factory BMW Bluetooth system for both audio and phone calls, turn ON. If using AUX, turn OFF.

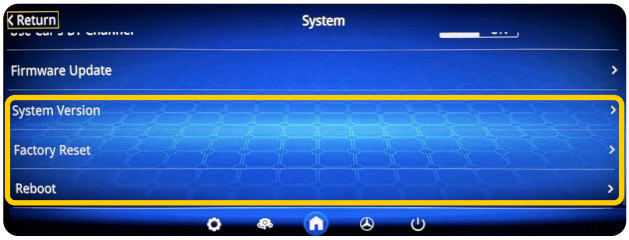
Firmware Update: Used for updating the system with official ZZ2 software.



System Version: Displays the current system and MCU versions

Factory Reset: Resets the system back to factory settings

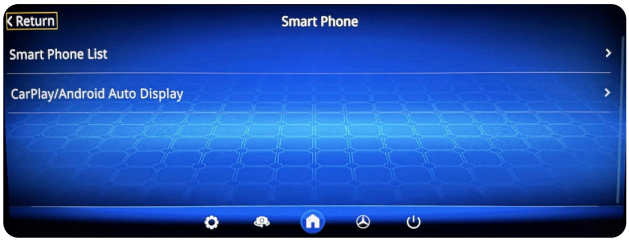
Reboot: Reboots the system without changing any settings



7.5 - SMART PHONE SETTINGS

Smart Phone List: Enable or Disable CarPlay, Android Auto, and Mirroring

CarPlay/Android Auto Display: Set the screen space of Carplay/Android Auto

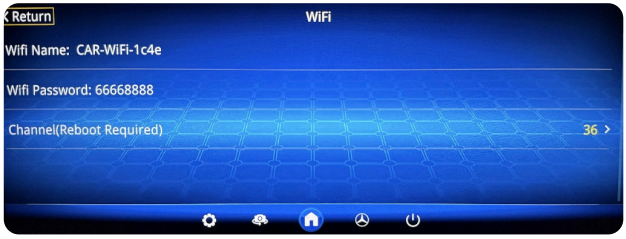


7.6 - WIFI SETTINGS

WiFi Name: SSID for connecting to the WiFi directly for mirroring

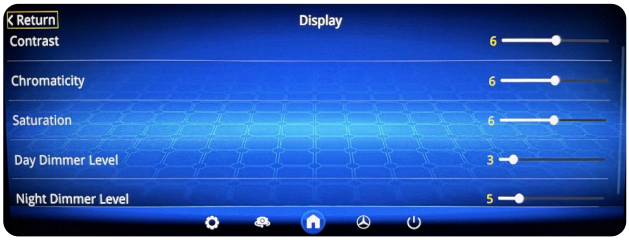
WiFi Password: Password for connecting to the WiFi directly for mirroring

Channel: Changes the WiFi channel (Can resolve connectivity issues) *Requires Reboot



7.7 - DISPLAY SETTINGS

Display Settings: Adjust certain aspects of the display such as contrast, chromaticity, saturation, day dimmer level, and night dimmer level



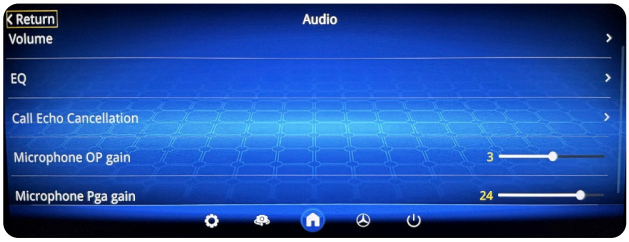
7.8 - AUDIO SETTINGS (AUX ONLY)

Volume: Sets the volume of the system

EQ: Allows for adjusting certain sound frequencies

Call Echo Cancellation: Run this test if experiencing echo in calls. Turn the volume up high, close all doors and do not interrupt the test

Microphone OP gain: Adjusts the main MIC level



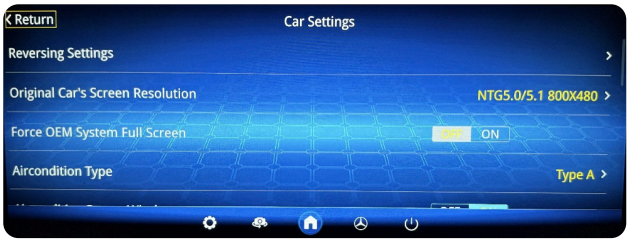
7.10 - CAR SETTINGS

Reversing Settings: For adjusting camera settings (explained on next page).

Original Car's Screen Resolution: Must set the OEM Mercedes screen resolution correctly in order to display Mercedes system correctly.

Force OEM System Full Screen: Forces the factory BMW image to be full screen (May distort image).

Aircondition Type: Change this setting if the Air Conditioning overlay is not displaying properly.

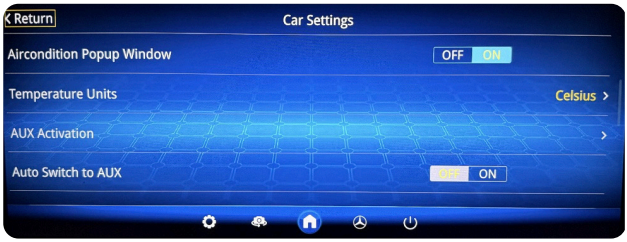


Aircondition Popup Window: Displays an overlay when changes are made to Air Conditioning.

Temperature Units: Determines Celsius or Fahrenheit.

AUX Activation: Activates the AUX source in radios that are missing it.

Auto Switch to AUX: Switches the OEM radio to AUX source upon boot.



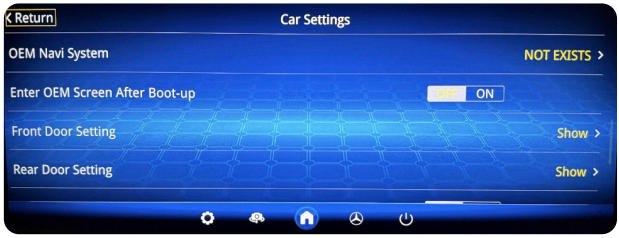
7.11 - CAR SETTINGS CONT.

OEM Navi System: If OEM Mercedes system has OEM NAV, set to EXISTS

Enter OEM Screen After Boot-up: System will boot up into the BMW system by default if turned ON

Front Door Setting: Displays the front door status when opened (can swap driver and passenger if needed)

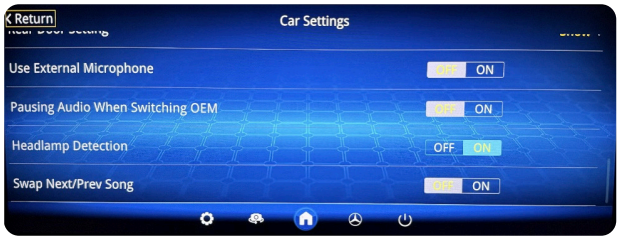
Rear Door Setting: Displays the rear door status when opened (can swap left and right if needed)



Use External Microphone: In AUX mode only, allows for use of an external microphone

Pausing Audio When Switching OEM: Pauses the audio when switching back to OEM

Headlamp Detection: Detects whether headlights are on or off to dim the screen Swap Next/Prev Song: If next track and previous track buttons do the opposite function, turn ON



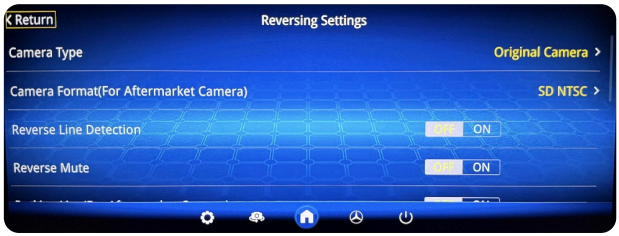
7.12 - REVERSING SETTINGS

Camera Type: Select whether using aftermarket or OEM camera

Camera Format: Change between SD and AHD (high definition) aftermarket camera types

Reverse Line Detection: If using a wire trigger for reverse turn ON

Reverse Mute: Mute all audio when in reverse

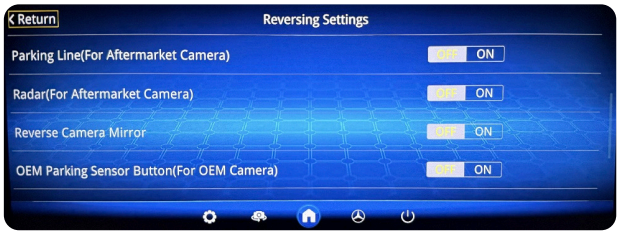


Parking Line: Displays guidelines for aftermarket reverse camera

Radar: Displays radar on aftermarket reverse camera

Reverse Camera Mirror: Mirrors the reverse camera image if backwards

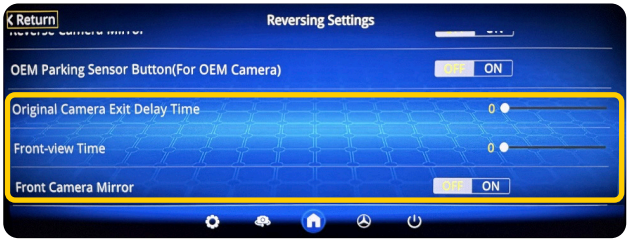
OEM Parking Sensor Button: If using OEM Camera and equipped with parking sensor button, turn ON



Original Camera Exit Delay Time: If using OEM camera, can add delay before returning back to CarPlay/Android Auto after reverse

Front-view Time: Sets the time for the front camera to be displayed after reverse

Front Camera Mirror: Mirrors the front camera if it is backwards



7.13 - BLUETOOTH TRANSMITTER SETTINGS

Bluetooth Transmitter: View connected devices and disable the Bluetooth transmitter



WARRANTY PROCEDURE

1. TECHNICAL EVALUATION REQUIRED

*Before a Return Merchandise Authorization (RMA) can be issued, the dealer must contact ZZ2 Technical Support to obtain a ticket number. After diagnosis, the ticket is forwarded to the ZZ2 Sales Department, which will issue the appropriate RMA number. No return will be authorized until the product has been fully evaluated.

2. ADVANCED REPLACEMENT OPTION

*Once a ticket number is issued, an RMA will be created. Call tag eligibility is based on the original purchase date.
*Within the First 90 Days: Advanced replacement at no cost with a call tag.
*After 90 Days: Advanced replacement at no cost; dealer is responsible for return shipping.

3. DEFECTIVE UNIT RETURN WITHOUT ADVANCED REPLACEMENT

*Dealers may return defective units without receiving an advanced replacement. Credits will be applied to the dealer's ZZ2 account.

4. NON-DEFECTIVE RETURNS

All non-defective returns are subject to a 10% restocking fee. Products must be brand new, unused, fully resellable, and include all original packaging, accessories, and components.

TERMS OF LIABILITY

*By purchasing, distributing, or installing ZZ2 products, dealers agree that ZZ2 is not liable for direct, indirect, special, or consequential damages, injuries, or losses arising from the use or misuse of its products

WARRANTY COVERAGE

* 3-Year Warranty: ZZPLAY, DIZZPLAY, Camera Interface Products, OEM-Style Handle Cameras.
*1-Year Warranty: ZEUS-ULTRA2, ZZAIR-DUO2, ZZAIR-PRO2, ZZCONNECT+, ZWAGZ, Bike2Play, MPPLAY.

REFUND PROCESSING

* Approved returns are processed within 5–10 business days after the returned product has been received and inspected.



If you have any questions or require technical support, please contact our specialized team.

support@zz2.com

ZZ2.COM