

EONON GMA13

Eonon Android 13 Car Stereo Instruction Manual

Model: GMA13

Brand: EONON

1. PRODUCT OVERVIEW

The Eonon GMA13 is an advanced Android 13 car stereo system designed to enhance your in-car entertainment and navigation experience. It features an 8-inch high-definition touchscreen, wireless CarPlay and Android Auto support, and seamless integration with various vehicle functions.



Image 1.1: Eonon GMA13 Car Stereo displaying its Android 13 interface with icons for CarPlay, Android Auto, IPS display, Wi-Fi, and GPS.

2. COMPATIBILITY

The GMA13 is designed for specific vehicle models, ensuring a plug-and-play installation and retention of original vehicle features. Refer to the table below for compatible models:

Applicable Models

Chevrolet	Avalanche (2007-2013) Impala (2006-2013) Tahoe (2007-2014) Silverado 1500 (2007-2013) Silverado 3500HD (2007-2013)	Express Van (2008-2019) Suburban (2007-2012) Traverse (2008-2012) Silverado 2500HD (2007-2013)
GMC	Acadia (2007-2012) Sierra (2007-2013)	Yukon (2007-2014) Savana (2008-2019)
Buick	Enclave (2008-2012)	

Fit



Not Fit



To keep factory rear-seat entertainment, a USB to RCA video output adapter converter (not included) is required.

Image 2.1: Visual guide detailing compatible Chevrolet, GMC, and Buick vehicle models and years for the Eonon GMA13 car stereo, along with examples of compatible and incompatible factory radio units.

Compatible Vehicle Models

Manufacturer	Model	Years
Chevrolet	Silverado/Avalanche	2007-2013
Chevrolet	Tahoe	2007-2014
Chevrolet	Impala	2006-2013
Chevrolet	Traverse	2008-2012
Chevrolet	Suburban	2007-2012
Chevrolet	Express Van	2008-2019
GMC	Sierra	2007-2013
GMC	Yukon	2007-2014
GMC	Acadia	2007-2012
GMC	Savana	2008-2019
Buick	Enclave	2008-2012

The integrated CANBUS system ensures compatibility with original vehicle functions such as Steering Wheel Controls (SWC), Bose sound systems, OnStar, door information display, and factory reverse cameras.



Image 2.2: A visual comparison showing a car's dashboard before and after the installation of the Eonon GMA13, highlighting the retention of OEM features like Bose system, steering wheel controls (SWC), door information, and OnStar functionality.

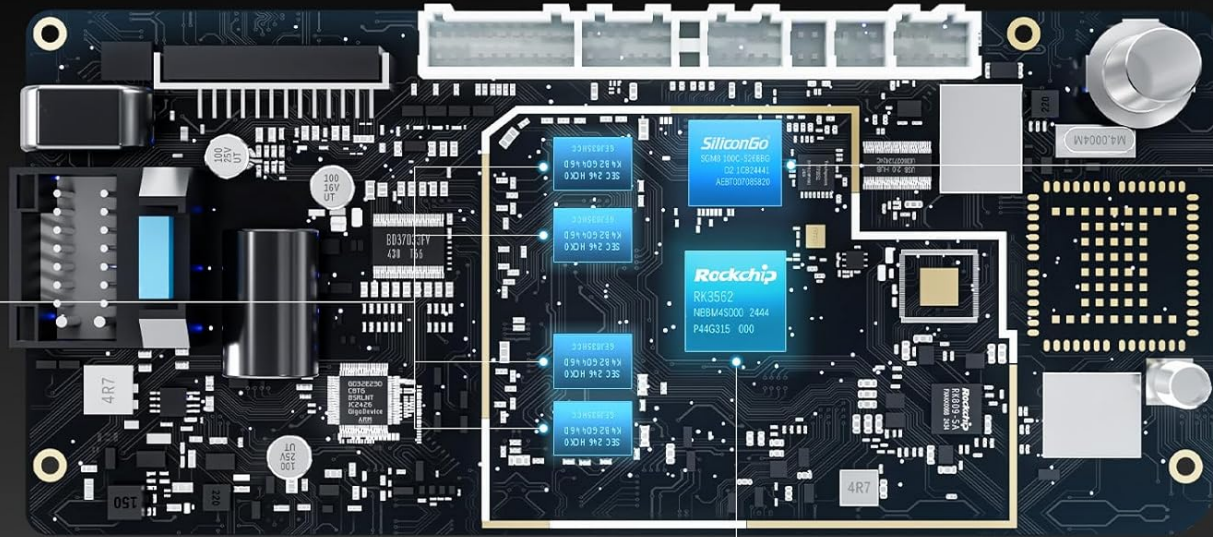
3. KEY FEATURES

3.1 Android 13 System & Performance

The GMA13 operates on the latest Android 13 (API level 33) system, powered by a Rockchip processor for enhanced performance and energy efficiency. This configuration provides a responsive user experience and supports a wide range

of applications.

EONON A13/X6 SERIES - CURATED & REAL



**Samsung/Micron
DDR Memory-
Industrial-Grade
Stability**

ARM Cortex-A53@2.0GHz

AnTuTu 146,565
+25% Faster vs UIS8581A Octa-Core
4K-AI Engine | NPU 1TOPS

Siliconco eMMC Storage

Fast performance with low power
consumption.

4-LAYER AUTOMOTIVE PCB,
BUILT TO SURVIVE TOUGH ROADS

Image 3.1: Detailed view of the Eonon A13/X6 series internal circuit board, highlighting key components such as Samsung/Micron DDR Memory, ARM Cortex-A53@2.0GHz processor, and Siliconco eMMC Storage, built on a 4-layer automotive PCB for stability.

3.2 Wireless/Wired CarPlay & Android Auto

Enjoy seamless smartphone integration with support for both wireless and wired CarPlay and Android Auto. This allows for hands-free control of music, navigation, phone calls, and messages via voice commands (Siri or Google Assistant). Screen mirroring is also supported.

Make Driving Safer & Convenient!



Image 3.2: The Eonon GMA13 car stereo screen showing various interfaces for CarPlay, Android Auto, and screen mirroring (Airplay/Android Cast), emphasizing wireless and USB connectivity options for enhanced driving safety and convenience.

3.3 Display & Audio Quality

The unit features an 8-inch IPS display with a 1280x720 resolution and a 178° viewing angle, providing clear visuals even in bright sunlight. The multi-touch capacitive touchscreen ensures precise operation. For audio, it includes a built-in 4x45W amplifier and a 36-band equalizer for a rich sound experience.

Better Visual Experience

8 Inch

Optimal size

1280 * 720

Resolution IPS Display

178°

Viewing Angel



HD Rear/Front Camera Input



A100



140°



120°



A0125

(Extra Gift)



Monitor Road Conditions



In Reverse Mode

Image 3.3: Visual representation of the Eonon GMA13's 8-inch IPS display with 1280x720 resolution and 178° viewing angle, alongside illustrations of HD rear and front camera inputs (A100 and A0125 models), showing how they monitor road conditions and assist in reverse mode.



Image 3.4: A side-by-side comparison illustrating the larger 8-inch IPS 1280*720 display of the Eonon GMA13 versus a typical 7-inch 1024*600 display, demonstrating improved visibility and clarity, especially for navigation.

3.4 Connectivity

The GMA13 is equipped with Bluetooth 5.4 for hands-free calls, contact synchronization, and music playback. It includes an external microphone for clear call quality and features a high-quality FM/AM radio module (Silicon Labs Si4755) with RDS support.



Image 3.5: Diagram showcasing the Eonon GMA13's advanced connectivity features, including a Wi-Fi 6 & Independent Bluetooth 5.4 Module for multi-device stability, an ST 4 x 45W Amplifier with built-in protections, and a Silicon Labs Si4755 Radio Module for triple-band FM/AM/RDS and auto-frequency switching.

4. SETUP AND INSTALLATION

The Eonon GMA13 is designed for a plug-and-play installation in compatible vehicles, minimizing the need for complex wiring or modifications. It retains factory features, including steering wheel controls and original backup camera support.

4.1 Included Components

The package includes all necessary cables and accessories for standard installation:

- Power cord (x1)
- GPS antenna (x1)
- USB adapter cable (x2)
- Audio/video adapter cable (x2)

- Reversing video input cable (x1)
- 15A fuse (x1)
- External microphone (x1)
- CANBUS decoder (x1)
- Instruction booklet (x1)
- Double-sided adhesive sticker (x1)
- Receiver antenna adapter cable (x1)
- Small speaker (x1)



Image 4.1: An organized display of all components included with the Eonon GMA13 car stereo, such as various adapter cables, antennas, microphone, CAN Bus decoder, and the user manual.

4.2 Wiring Diagram

Refer to the following diagram for proper connection of all cables and accessories:



Image 4.2: A comprehensive wiring diagram for the Eonon GMA13 car stereo, labeling each port and cable for correct installation, including audio outputs, video inputs, power cables, USB ports, and antenna connections.

4.3 Optional Accessories

The GMA13 supports additional accessories for enhanced functionality:

- **HD 720P/1080P Backup Camera:** For improved rear visibility.
- **Front Camera:** For monitoring road conditions.
- **OBD Scanner:** For vehicle diagnostics.
- **Eonon A0595 Video Output Adapter:** Required if you wish to retain the original rear entertainment system. (Not included in package).

Keep OEM Backup Camera



Image 4.3: A visual demonstration of the Eonon GMA13's ability to retain the original OEM backup camera functionality, showing the transition from the rearview mirror display to the car stereo screen when reversing.

5. OPERATING INSTRUCTIONS

5.1 Navigation

The unit supports various online and offline navigation applications, providing full-view navigation mode for clear guidance.

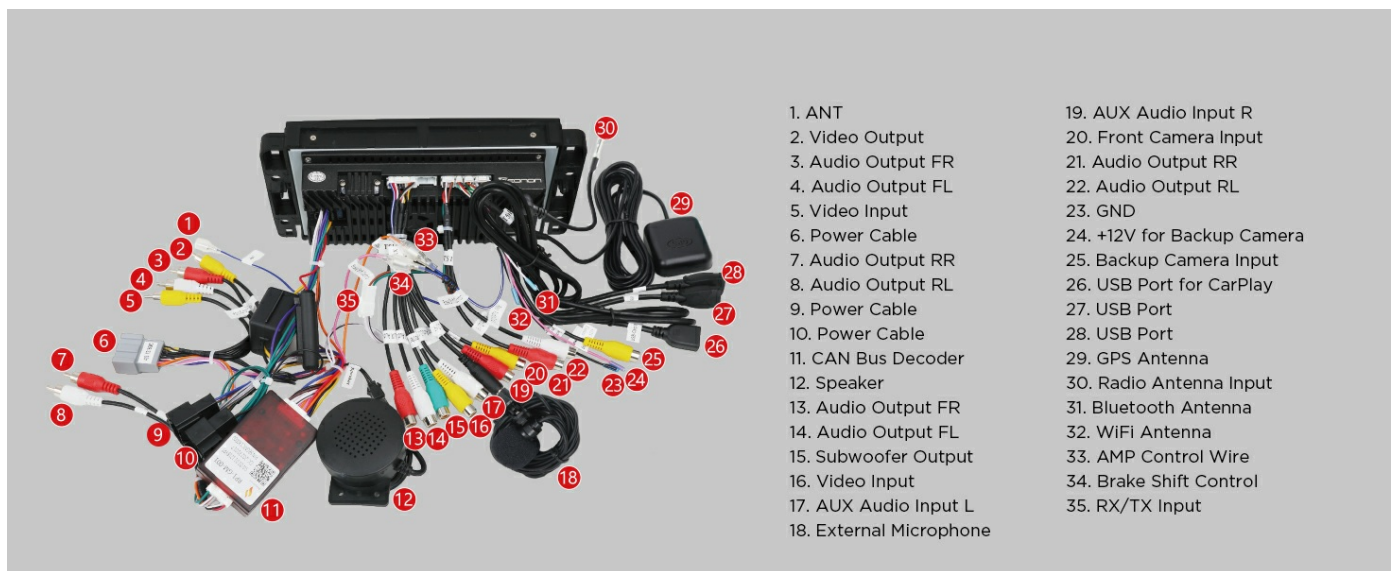


Image 5.1: The Eonon GMA13 car stereo screen showing popular navigation applications like Google Maps, Apple Maps, Waze, and Sygic, indicating support for online and offline maps and a full-view navigation mode.

5.2 Media Playback & Voice Control

Play music and videos directly from the unit or connected devices. Utilize voice control features to manage media, make calls, and navigate without diverting attention from the road.

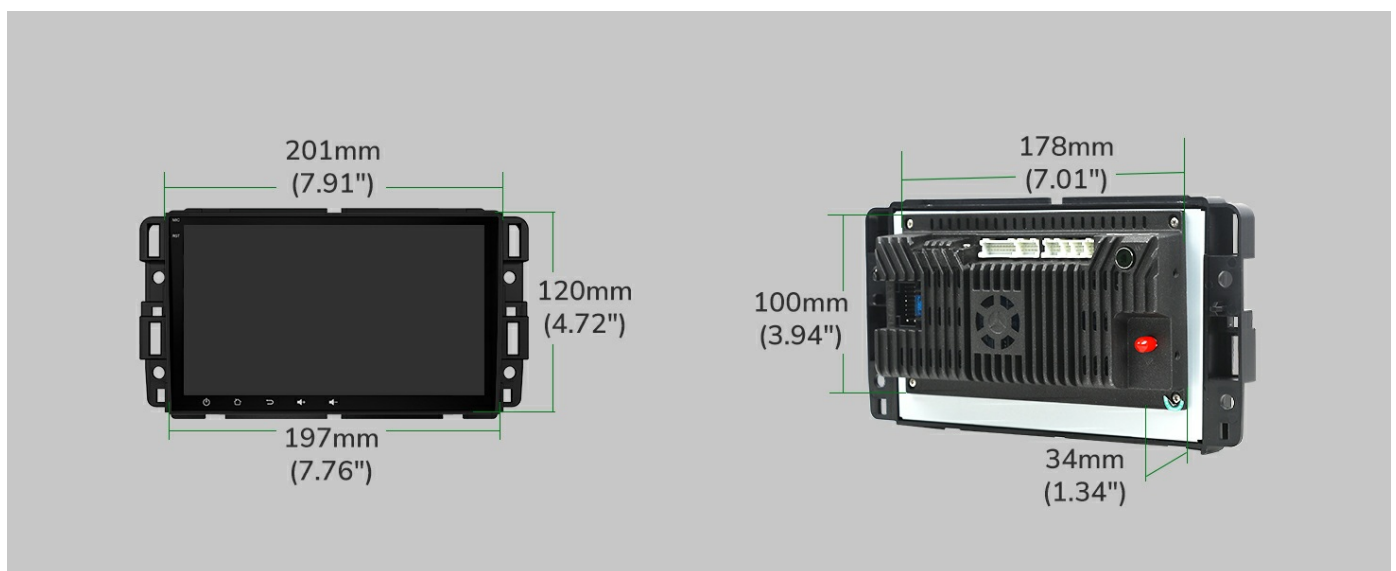


Image 5.2: The Eonon GMA13 car stereo displaying music playback with options for voice control, phone calls, and 4x45W audio output, illustrating hands-free operation and integrated media functions.

5.3 Customization

Personalize your stereo with custom boot logos, changeable button colors, and various wallpaper options to match your vehicle's interior or personal preference.



Image 5.3: Screenshots of the Eonon GMA13 interface showing customization options, including setting a custom boot logo, changing panel light colors, and selecting different wallpapers.

6. MAINTENANCE

To ensure optimal performance and longevity of your Eonon GMA13 car stereo, regular maintenance is recommended.

6.1 Software Updates

Eonon provides convenient online firmware updates. Regularly check for and install updates to enhance system stability and optimize performance. You do not need a USB stick for these upgrades.



Image 6.1: A screenshot of the Eonon GMA13's system update interface, illustrating the process for online software updates (FOTA) to improve system stability and performance.

6.2 Cleaning

Use a soft, dry cloth to clean the touchscreen and exterior of the unit. Avoid abrasive cleaners or solvents that could damage the surface.

7. TROUBLESHOOTING

If you encounter issues with your GMA13 unit, refer to the following common problems and solutions:

- **No Power/Unit Freezes:** Ensure all power connections are secure. If the unit freezes, perform a soft reset by pressing the RST button (if available) or disconnecting and reconnecting the power.
- **Connectivity Issues (CarPlay/Android Auto/Bluetooth):**
 - Ensure your phone's Bluetooth and Wi-Fi are enabled.
 - Try forgetting the device on both the stereo and your phone, then re-pairing.
 - Check USB cable for wired connections; use a high-quality cable.
- **GPS/Map Loading Issues:**
 - Ensure the GPS antenna is properly installed and has a clear view of the sky.
 - Verify that your internet connection (Wi-Fi or hotspot) is stable for online maps.
 - Check map application settings and ensure maps are downloaded for offline use if needed.
- **Low Audio Volume (especially navigation voice):**
 - Access the unit's audio settings and check individual volume levels for navigation, media, and calls.
 - Adjust the 36-band equalizer settings if overall sound quality is unsatisfactory.
- **Backup Camera Not Displaying:**

- Verify the backup camera input cable is securely connected to the correct port.
 - Ensure the camera itself is powered and functioning correctly.
 - Check vehicle's reverse gear signal connection to the unit.
- **USB Charging Speed:** Note that USB ports provide approximately 0.5A output, which may not be sufficient for fast charging modern smartphones.

8. SPECIFICATIONS

Eonon GMA13 Technical Specifications

Feature	Specification
Model Name	A13 Series - GMA13
Operating System	Android 13 (API level 33)
Processor	Rockchip (details not specified, but superior to conventional 8-core)
Display Size	8 Inches
Display Resolution	1280 x 720 IPS
Viewing Angle	178°
Audio Output	4 x 45W
Equalizer	36-band
Bluetooth Version	5.4
Connectivity Technology	Bluetooth, USB, Wi-Fi
Map Type	Worldwide (supports online/offline maps)
Item Weight	3.8 pounds
Product Dimensions	7.91 x 4.72 x 1.26 inches
Mounting Type	Dashboard Mount







Image 8.1: Technical drawing showing the front and side dimensions of the Eonon GMA13 car stereo in millimeters and inches.

9. WARRANTY AND SUPPORT

The Eonon GMA13 comes with a **2-year warranty** from the manufacturer. For technical support, troubleshooting assistance, or warranty claims, please refer to the contact information provided in the included instruction booklet or visit

Related Documents

	<p>Eonon Installation Manual for Chevrolet, GMC, Buick Vehicles</p> <p>Comprehensive installation guide for Eonon car stereo receivers compatible with Chevrolet, GMC, and Buick models. Covers disassembly, wiring, and final setup procedures.</p>
	<p>Eonon Q49PRO User Manual</p> <p>User manual for the Eonon Q49PRO car stereo, covering installation, features, settings, and troubleshooting.</p>
	<p>BMW 3 Series E46 Installation Manual - Eonon Head Unit</p> <p>Step-by-step installation guide for an Eonon head unit in a BMW 3 Series 1999-2004 (E46). Covers removal of factory components and installation of the new unit.</p>
	<p>Eonon 9-Inch Android Car Stereo for BMW 3 Series (E90-E93) - Dimensions</p> <p>Eonon provides dimensional specifications for its 9-inch Android 10 car stereo headunit, compatible with BMW 3 Series (E90-E93, 2005-2011). Features include CarPlay, Android Auto, GPS, DSP, Bluetooth 5.0, and WiFi. The A0581 unit is not included.</p>



[\[pdf\]](#) Test Report

Measurement Report Kent Test reports SunBoBoDigital Co Ltd Q01SE Car Media Player 2BDS8
2BDS8Q01SE q01se

Shenzhen DL Testing Technology Co., Ltd. Report No.: DL-20231128017E FCC Part
15C Test Report FCC ... Q76PRO, Q80-PLUS, Q80PRO, Q80SE, UA13, UA13-
PLUS, E39A13, E46A13, E90A13, M3BKA13, M3BLA13, VWA13, **GMA13**, UA9-
PLUS, UA9 Nov. 16, 2023 Nov. 16, 2023 - Nov. 28, 2023 Nov. 28, 2023 Shenzhen
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Measurement Report Kent Test reports SunBoBoDigital Co Ltd Q01SE Car Media Player 2BDS8
2BDS8Q01SE q01se

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15C Test Report FCC ... Q76PRO, Q80-PLUS, Q80PRO, Q80SE, UA13, UA13-
PLUS, E39A13, E46A13, E90A13, M3BKA13, M3BLA13, VWA13, **GMA13**, UA9-
PLUS, UA9 Nov. 16, 2023 Nov. 16, 2023 - Nov. 28, 2023 Nov. 28, 2023 Shenzhen
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