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EONON M3BLA13

Eonon M3BLA13 Car Stereo Receiver User Manual

Model: M3BLA13 | Brand: EONON

1. INTRODUCTION

The Eonon M3BLA13 head unit is designed for Mazda 3 models from 2010-2013, offering a seamless upgrade to your vehicle's infotainment system. It integrates advanced features such as Wireless CarPlay, Android Auto, GPS Navigation, and Bluetooth connectivity, all powered by the latest Android 13 OS. This manual provides essential information for installation, operation, and maintenance to ensure optimal performance.

2. PRODUCT OVERVIEW



The Eonon M3BLA13 features a 9-inch IPS touchscreen display running Android 13, offering a modern interface for your vehicle.

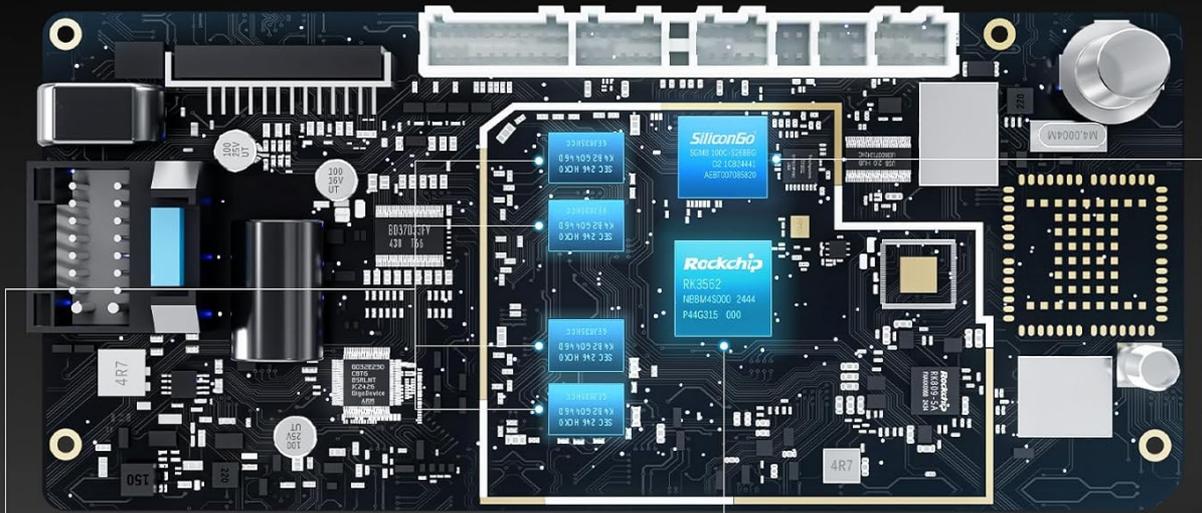
Applicable Models

2010-2013 Mazda 3



This head unit is specifically designed for Mazda 3 models from 2010 to 2013, ensuring perfect fitment and integration with existing vehicle features.

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

SiliconGo eMMC Storage

Fast performance with low power consumption.

4-LAYER AUTOMOTIVE PCB,
BUILT TO SURVIVE TOUGH ROADS

Powered by a cutting-edge Rockchip processor and Samsung/Micron DDR memory, the M3BLA13 ensures superior performance and energy efficiency.



**Wi-Fi 6 & Independent
Bluetooth 5.4 Module**

2.4Gbps | Multi-Device Stability



ST 4 x 45W Amplifier

Direct 4 x 45W @ 4Ω Output | OEM
Speaker Ready
Built-In Protections: Short-Circuit, Overheat,
Reverse Polarity, and Load Dump Resilience



**Silicon Labs Si4755
Radio Module**

Triple-Band FM/AM/RDS | Real-Time
Traffic & Auto-Frequency Switching



Key internal components include a Wi-Fi 6 & Bluetooth 5.4 module, a powerful ST 4x45W amplifier, and a Silicon Labs Si4755 Radio Module for robust connectivity and audio.



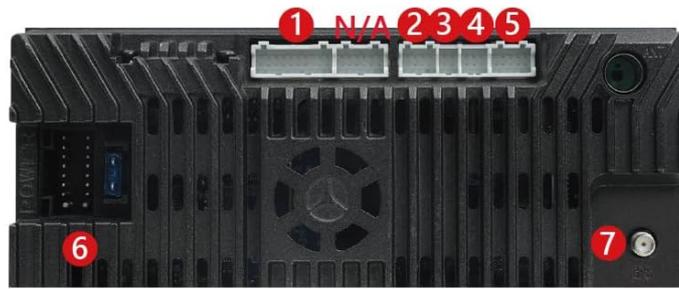
Experience seamless integration with Wireless Apple CarPlay and Android Auto, allowing for hands-free control of navigation, music, and calls.

3. SETUP & INSTALLATION

The M3BLA13 head unit is designed for direct plug-and-play installation in compatible Mazda 3 models (2010-2013). No additional frame or cable modifications are typically needed. The included CANBUS supports most original vehicle functions, including Steering Wheel Controls (SWC) and the factory LCD screen.

3.1 Unboxing and Component Identification

Before installation, carefully unbox the unit and identify all included components. Refer to the image below for a visual guide to the accessories.



Audio Video Adapter Cable *1



Audio Adapter Cable *1



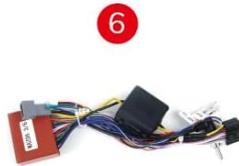
CarPlay & Android Auto USB Adapter Cable *1



USB Adapter Cable *1



Backup Camera Video Input Cable *1



Power Cable *1



GPS Antenna *1



AUX Adapter Cable *1



CAN Bus *1



External Microphone *1



Spare Fuse *1



Adhesive Pad *1



User Manual *1

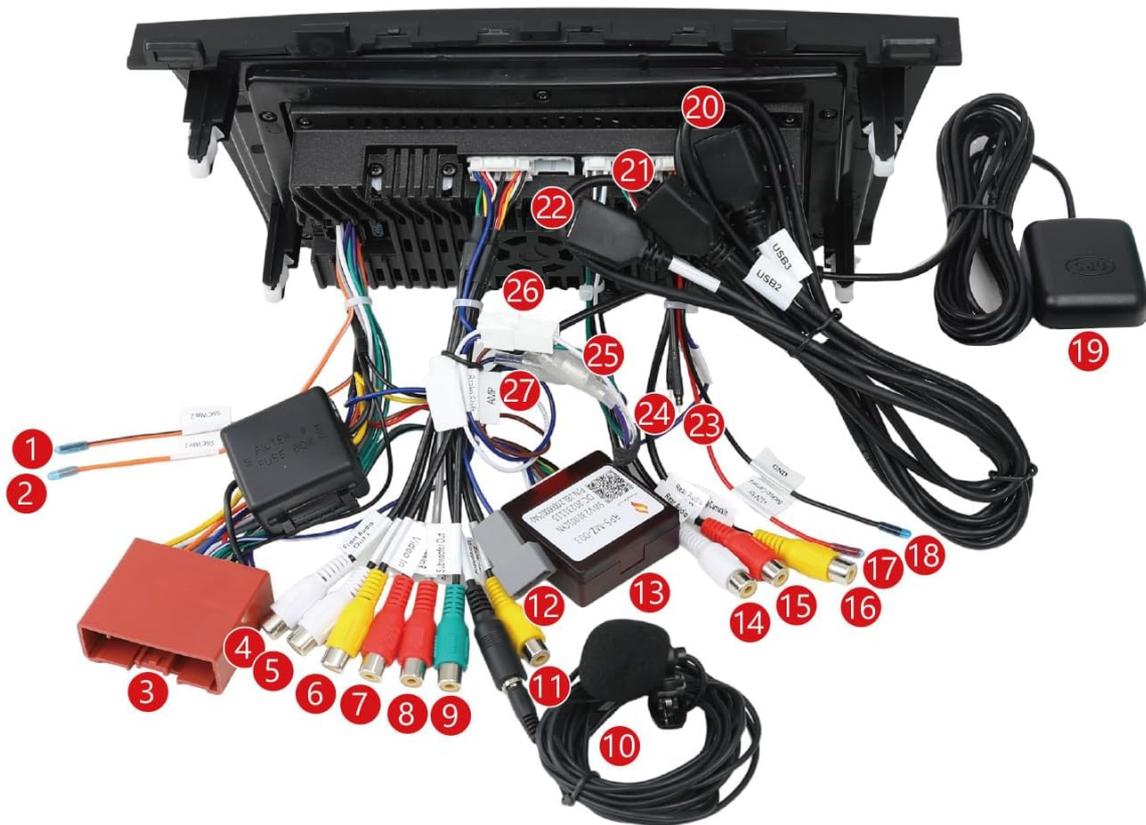
Included accessories: Power cable, GPS antenna, USB adapter cables, Audio/video adapter cables, Reverse camera input cable, Fuse, External microphone, CANBUS, User manual, Double-sided adhesive, AUX adapter cable.

Watch the official unboxing video for a detailed look at the package contents:

Video Description: This video provides a comprehensive unboxing experience for the Eonon M3BLA13 car stereo, showcasing all components and accessories included in the package. It highlights the main unit, wiring harnesses, GPS antenna, USB cables, and other essential items, giving users a clear overview of what to expect.

3.2 Wiring Diagram

Follow the wiring diagram carefully to ensure correct connections. Each cable is labeled for easy identification.



- | | | |
|---------------------|----------------------------|--------------------------|
| 1. SWC Wire 1 | 10. External Microphone | 19. GPS Antenna |
| 2. SWC Wire 2 | 11. Front Camera Input | 20. USB Port |
| 3. Power Cable | 12. Radio Antenna Input | 21. USB Port |
| 4. Audio Output FL | 13. CAN Bus Decoder | 22. USB Port for CarPlay |
| 5. AUX Audio In L | 14. Audio Output RL | 23. WiFi Antenna |
| 6. Video Input | 15. Audio Output RR | 24. Bluetooth Antenna |
| 7. Audio Output FR | 16. Backup Camera Input | 25. Brake Shift Control |
| 8. AUX Audio In R | 17. +12V for Backup Camera | 26. RX/TX Input |
| 9. Subwoofer Output | 18. GND Wire | 27. AMP Control Wire |

Wiring connections include SWC wires, Power Cable, Audio Outputs, AUX Inputs, Subwoofer Output, Camera Inputs, Radio Antenna, USB Ports, WiFi Antenna, Bluetooth Antenna, and CAN Bus Decoder.

For a step-by-step installation guide, refer to the official installation video:

Video Description: This video demonstrates the complete installation process of the Eonon M3BLA13 car stereo in a Mazda 3. It covers removing the old unit, connecting the new wiring harnesses, and securing the new head unit in the dashboard, providing clear visual instructions for a smooth setup.

4. OPERATING INSTRUCTIONS

4.1 Display and User Interface

The 9-inch IPS display offers a resolution of 1280*720 with a wide 178° viewing angle, supporting 1080P video playback. The unit comes with 3 sets of customizable UI themes.

9" IPS Display



1280*720
resolution



178°
viewing angles



1080P
video playback



3 Sets of UI Themes



The vibrant IPS display ensures clear visuals and an immersive user experience.

4.2 Wireless CarPlay & Android Auto

Connect your smartphone wirelessly for seamless access to navigation, music, calls, and messages. Activate Siri or Google Assistant with voice commands.

Learn how to connect your Eonon A13 series car stereo for CarPlay and Android Auto:

Video Description: This video demonstrates the process of connecting a smartphone to the Eonon A13 series car stereo for Wireless CarPlay and Android Auto functionality. It guides users through the necessary steps to establish a stable connection and utilize the integrated features.

4.3 Radio and Bluetooth

The unit supports FM/AM radio with 36-band equalizer adjustment for enhanced sound. Bluetooth 5.0 allows for music streaming, hands-free calling, and contact syncing.

4.4 Fast Boot Time

The M3BLA13 boasts a 1-second boot time, providing instant access to your car's infotainment system upon starting the vehicle. See the unit in action with a hands-on demonstration:

Video Description: This hands-on video provides a quick overview of the Eonon M3BLA13 car stereo's features and responsiveness

in a Mazda 3. It demonstrates the fast boot time, smooth UI navigation, and basic functionalities, offering a practical look at the user experience.

5. MAINTENANCE

Keep your M3BLA13 unit updated with the latest firmware through convenient online updates, eliminating the need for USB sticks. Regular cleaning of the touchscreen with a soft, dry cloth is recommended.

Learn how to perform a system upgrade:

Video Description: This video provides instructions on how to perform a system upgrade for the Eonon car stereo. It guides users through the steps to ensure their device is running the latest software for optimal performance and new features.

6. TROUBLESHOOTING

If you encounter issues with your M3BLA13, try the following common troubleshooting steps:

- **No Power:** Ensure all power cables are securely connected. Check the 15A fuse included in the package.
- **CarPlay/Android Auto Disconnects:** Verify your phone's Bluetooth and Wi-Fi connections. Try restarting both your phone and the head unit. Ensure your phone's software is up to date.
- **Steering Wheel Controls Not Working:** Confirm the CANBUS is correctly installed and configured. Refer to the wiring diagram and user manual for CANBUS settings.
- **GPS Issues:** Ensure the GPS antenna is properly connected and placed in a location with clear sky view.
- **Audio Problems:** Check speaker connections and audio output settings. Adjust the 36-band equalizer.
- **Fitment Issues:** While designed for a perfect fit, ensure all clips and screws are properly aligned and secured during installation.

7. SPECIFICATIONS

- **Model Number:** M3BLA13
- **Display Size:** 9 Inches
- **Resolution:** 1280x720 IPS
- **Operating System:** Android 13 (API level 33)
- **Processor:** Rockchip
- **Memory:** 2GB RAM
- **Storage:** 32GB
- **Connectivity:** Bluetooth 5.4, Wi-Fi 6, USB
- **Audio Output:** 4x45W AMP
- **Special Features:** Wireless CarPlay, Android Auto, GPS Navigation, SWC support, Factory LCD screen support, HD 720P/1080P backup camera input, Front camera input, OBD scanner connectivity.
- **Item Weight:** 3.52 pounds
- **Product Dimensions:** 11.06 x 9.99 x 6.02 inches
- **Country of Origin:** China

8. WARRANTY & SUPPORT

Eonon offers a 30-day hassle-free return policy, 2-year maintenance coverage, and lifetime technical support for the M3BLA13. Protection plans are also available for extended coverage:

- **2-Year Protection Plan:** Available for purchase.
- **3-Year Protection Plan:** Available for purchase.
- **Complete Protect:** Monthly plan covering eligible past and future purchases.

For technical assistance or warranty claims, please contact Eonon customer support.

