

EONON SD1X6S

EONON SD1X6S 10.95-inch 2K HD Single Din Car Radio Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EONON SD1X6S 10.95-inch 2K HD Single Din Car Radio. This advanced car stereo features Android 13, wireless CarPlay and Android Auto, a powerful Qualcomm QCM6225 8-core processor, 6GB RAM, 64GB ROM, and a stunning 2K QLED display. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. PRODUCT FEATURES

- **Powerful Performance:** Equipped with a Qualcomm QCM6225 8-core processor (4-core ARM Cortex-A73 at 2.4GHz + 4-core ARM Cortex-A53 at 1.9GHz), Adreno 610 GPU, 6GB LPDDR4 RAM, and 64GB ROM for fast and stable operation.
- **Stunning 2K HD Display:** Features a 10.95-inch 2K HD (1200*2000 resolution) QLED multi-touch capacitive touchscreen. The adjustable panel allows for optimal viewing angles (up, down, left, or right).
- **Seamless Connectivity:** Supports wireless and wired Apple CarPlay, Android Auto, and screen mirroring. Includes a built-in 4G module for direct SIM card internet access, WiFi 6-ready technology (up to 9.6Gbps), and Bluetooth 5.1 (Qualcomm WCN3988) for stable device connections.
- **Immersive Audio Experience:** Integrated RHOM 32107 DSP audio processing chip with a 48-band equalizer for precise sound customization. ST TDA7851 amplifier delivers 4x48W surround sound output. Features optical and coaxial audio outputs for professional-grade audio setups.
- **Advanced User Features:** Offers split-screen multitasking, power-off playback memory, 6 customizable user interfaces, adjustable button light colors, and supports a 1080P AHD rearview camera.

3. WHAT'S IN THE BOX

The package includes all necessary components for installation and operation:

- EONON SD1X6S Head Unit (10.95-inch 2K HD Display and Single Din Box)
- Power Cable (x1)

- 4G Antenna (x1)
- GPS Antenna (x1)
- Audio Video Adapter Cable (x1)
- Audio Adapter Cable (x1)
- USB Adapter Cable for CarPlay (x1)
- USB Adapter Cable (x1)
- Backup Camera Video Input Cable (x1)
- External Microphone (x1)
- Screws (x2)
- SIM Card Holder (x1)
- Mounting Bracket (x1)
- Assembly Tool (x1)
- Spare Fuse (x1)
- User Manual (x1)
- Backup Camera (x1)



Image: A visual representation of all items included in the EONON SD1X6S product box, neatly arranged.

Video: An unboxing demonstration of the EONON SD1X6S car stereo, showing all components and accessories included in the package.

4. INSTALLATION GUIDE

Follow these steps for a successful installation of your EONON SD1X6S car stereo. Professional installation is recommended.

1. **Preparation:** Ensure the vehicle's battery is disconnected. Gather necessary tools, including trim removal tools, screwdrivers, and wire cutters/strippers.
2. **Remove Existing Stereo:** Carefully use trim removal tools to detach the dashboard trim surrounding your current car stereo. Unscrew and remove the old stereo unit. Disconnect all cables from the back of the old unit.
3. **Connect Wiring Harness:** Connect the provided EONON wiring harness adapter to your vehicle's factory wiring harness. Ensure all connections are secure.
4. **Install Antennas:** Route and secure the GPS antenna (typically on the dashboard or under the windshield) and the 4G antenna (if using a SIM card) to locations with clear signal reception.

5. **Install External Microphone:** Connect the external microphone and route its cable to a suitable location, such as near the rearview mirror or on the A-pillar, for optimal voice pickup.
6. **Mount the Single Din Box:** Slide the EONON single DIN box into the dashboard opening. Secure it using the provided mounting brackets and screws.
7. **Attach the Display:** Connect the 10.95-inch display to the single DIN box using the redesigned screen connection mechanism. This is a plug-and-play connection.
8. **Adjust Viewing Angle:** The display panel is adjustable (up, down, left, right). Customize the viewing angle for optimal comfort and visibility.
9. **Test Functionality:** Reconnect the vehicle's battery. Power on the EONON unit and test all functions: audio, touch response, CarPlay/Android Auto, radio, and any connected cameras.
10. **Final Assembly:** Once all functions are verified, carefully tuck away any excess wiring and reattach the dashboard trim pieces.

Video: A step-by-step guide demonstrating the installation process of the EONON SD1X6S car stereo in a vehicle, including trim removal, wiring, and mounting.

5. WIRING DIAGRAM

Refer to the following diagram for detailed wiring connections. Ensure all connections are made correctly to prevent damage to the unit or vehicle's electrical system.

Image: A comprehensive diagram illustrating the various input and output connections on the EONON SD1X6S unit, including labels for each port.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

The EONON SD1X6S unit is designed to power on automatically when your vehicle's ignition is turned on and power off when the ignition is turned off.

6.2 Main Interface & Display

Upon startup, the unit will display the customizable Android 13 home screen. Navigate through apps and settings using the multi-touch capacitive screen. The adjustable panel allows you to tilt or swivel the screen for optimal viewing.

EONON X6S SERIES - CURATED & REAL
6-Layer Automotive-Grade PCB + Snapdragon Power:
Engineered to Dominate Every Drive.

- Qualcomm QCM6225 Octa-core**
AnTuTu V9 296,007
+145% Faster vs UIS8581A Octa-Core
4K-AI Engine | Hexagon 686 DSP
- Adreno 610: Fluid UI Everywhere, Extreme Efficiency.**
60fps UI Animations, Zero Lag
-40°C to 85°C Automotive Armor
35% GPU Load Cut, Smoother Multitasking
- SAMSUNG 6nm LPP**
Up to **30%** Lower Power Consumption vs. 14nm / 28nm
- Ultra-Low Latency Wi-Fi 6 & Dedicated Bluetooth 5.1 Module**
- ST TDA7708 Tuner with FM / AM / RDS Support**

Image: The redesigned user interface of the EONON SD1X6S, highlighting its smart, sleek, and fast operation.

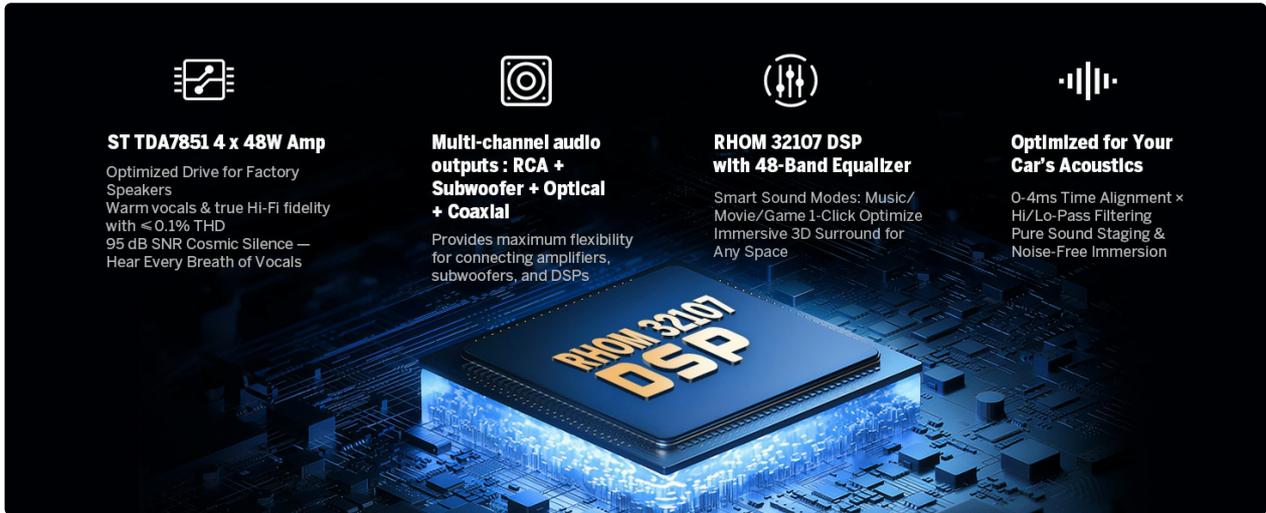


Image: The split-screen multitasking feature of the EONON SD1X6S, allowing two applications to be viewed simultaneously.

6.3 Wireless CarPlay & Android Auto

Connect your smartphone for a seamless integrated experience:

- **For Wireless Connection:**
 - a. On the car stereo, open the 'Zlink5' app.
 - b. On your smartphone, enable Wi-Fi and Bluetooth.
 - c. Search for 'EONON' in your phone's Bluetooth device list and pair.
 - d. Once connected, tap 'Use CarPlay' or 'Use Android Auto' on your phone to complete the connection.
- **For Wired Connection:** Connect your smartphone to the designated USB port using a compatible USB cable. The system will automatically launch CarPlay or Android Auto.



Image: Instructions for establishing a wireless Apple CarPlay connection with the EONON SD1X6S.

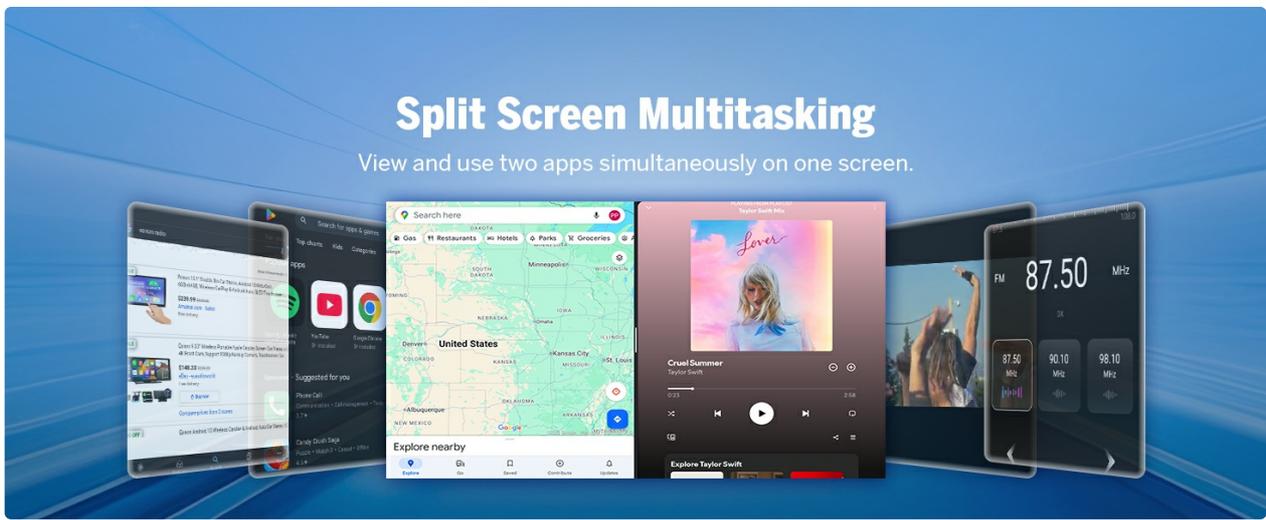


Image: Instructions for establishing a wireless Android Auto connection with the EONON SD1X6S.

6.4 Screen Mirroring

Mirror your smartphone's screen onto the car stereo display:

- **For iOS Devices:**
 - a. Open the 'Zlink5' app on the car stereo and select iPhone wireless screen mirroring mode.
 - b. Turn on your iPhone's personal hotspot and connect the car stereo to it.
 - c. On your iPhone, activate the screen mirroring function and select 'zj-airplay'.
- **For Android Devices:**
 - a. Open the 'Zlink5' app on the car stereo and select Android wireless screen mirroring mode.
 - b. Turn on your phone's personal hotspot and connect the car stereo to it.
 - c. Install the 'Zplus' app on your Android phone.
 - d. In the 'Zplus' app, select 'wireless connection' to begin mirroring.



Image: A visual guide detailing the steps for iOS screen mirroring to the EONON SD1X6S.



Image: A visual guide detailing the steps for Android screen mirroring to the EONON SD1X6S.

6.5 Audio Settings (DSP & Equalizer)

Access the built-in Digital Signal Processor (DSP) to fine-tune your audio experience:

- Navigate to the 'Sound' or 'DSP' settings menu.
- Adjust the 48-band equalizer to customize frequency responses.
- Utilize the time alignment feature to optimize sound delivery to each speaker.
- Adjust bass, treble, and overall volume levels to your preference.

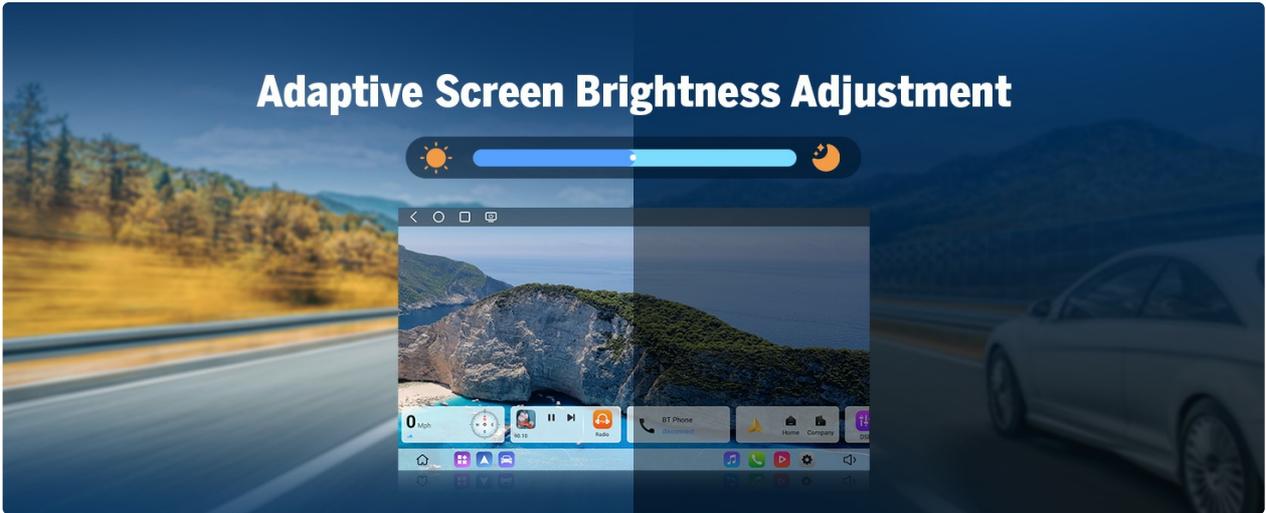


Image: The built-in DSP interface of the EONON SD1X6S, showcasing the 48-band graphic equalizer and sound field controls.



Image: The optical and coaxial HD audio output ports on the EONON SD1X6S, enabling professional-grade audio connections.

6.6 Network Access (4G & Wi-Fi)

Stay connected on the go:

- **4G Connectivity:** Insert a compatible SIM card into the designated slot to enable direct 4G LTE internet access.
- **Wi-Fi:** Connect to available Wi-Fi networks for internet access. The unit supports Wi-Fi 6 for faster speeds and enhanced security.



Image: Features of the EONON SD1X6S highlighting its Wi-Fi 6 readiness and built-in 4G module for internet access.

6.7 Steering Wheel Controls

If your vehicle supports steering wheel controls, you can configure them to operate the EONON SD1X6S:

- Access the 'Steering Wheel Control' settings in the unit's menu.
- Follow the on-screen instructions to map your vehicle's steering wheel buttons to desired functions (e.g., volume, track skip, mode).

6.8 Firmware Updates

Keep your unit up-to-date with the latest software:

- Navigate to 'Settings' > 'About device' > 'System Update'.
- Check for available Over-The-Air (OTA) updates.
- Download and install updates as prompted. Note that Android system upgrades are not supported via OTA.

Compatible Vehicles

Note: Before purchasing, please ensure your car's dashboard panel size and shape are compatible. Feel free to contact us if you're not sure.

Installation size: 178mm * 50mm



Image: The OTA Firmware Update screen on the EONON SD1X6S, indicating how to keep the device updated.

6.9 Backup Camera

The included 1080P AHD rearview camera enhances safety:

- When the vehicle is shifted into reverse gear, the unit will automatically display the camera feed on the screen.
- Ensure the camera is properly installed and connected according to the wiring diagram.



Image: The 1080P AHD rearview camera display on the EONON SD1X6S, showing parking assistance lines.

Video: A demonstration of the EONON SD1X6S in operation, showcasing its adjustable screen, Android 13 interface, CarPlay, Android Auto, and various apps.

7. SPECIFICATIONS

Feature	Specification
Brand	EONON
Item Model Number	SD1X6S
Screen Size	10.95 Inches
Resolution	2000 x 1200

Screen Surface Description	Glossy
Item Weight	6.2 pounds
Package Dimensions	12.76 x 11.61 x 7.76 inches
Manufacturer	Eonon

8. TROUBLESHOOTING

- **No Power:** Check the power cable connection, ensure the vehicle's ignition is on, and inspect the fuse for the car stereo.
- **No Sound:** Verify speaker connections, check the volume level, and ensure the audio output settings in the DSP are correctly configured.
- **CarPlay/Android Auto Not Connecting:** Ensure Wi-Fi and Bluetooth are enabled on your smartphone and the car stereo. Re-pair the devices if necessary. Check USB cable connection for wired mode.
- **Poor GPS Signal:** Ensure the GPS antenna is installed in a location with a clear view of the sky and is securely connected.
- **Screen Not Responding:** Perform a soft reset of the unit. If the issue persists, check the display's connection to the single DIN box.
- **Steering Wheel Controls Not Working:** Confirm that the steering wheel control wires are correctly connected and configured in the unit's settings menu.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official EONON website. You can also contact EONON customer support directly for assistance.