

Eonon UX6SKJ-PRO-MAX

EONON 11.8-inch 2DIN Car Navigation System User Manual

Model: UX6SKJ-PRO-MAX

Brand: Eonon

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EONON 11.8-inch 2DIN Car Navigation System, Model UX6SKJ-PRO-MAX. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. KEY FEATURES

- **Qualcomm Snapdragon 6225 Processor:** Enhanced CPU performance by 25% and GPU performance by 10% compared to previous models, offering efficient power consumption. Features Android 13, 256GB ROM, 8GB LPDDR4 RAM, 8-core CPU, Adreno 610 GPU, and Hexagon 686 DSP for advanced audio processing.
- **11.8-inch 2K QLED Display:** Large screen with 1200x2000 resolution, 2.5D full-touch screen, and 178° wide viewing angle. Supports up to 2K video playback.
- **Wireless Connectivity:** Built-in WiFi 6 ready and 4G module (SIM card required, sold separately) for internet access. Supports various frequency bands (GSM 850, 900, 1800; WCDMA B1, B5, B6, B8, B19; TDD-LTE B38, B39, B40, B41; FDD-LTE B1, B3, B5, B7, B8, B9, B18, B19, B20, B26, B28).
- **Smartphone Integration:** Supports Wireless CarPlay (for iPhone 5 and later), Wireless/Wired Android Auto (requires 5GHz Wi-Fi and latest Android Auto app for wireless, Android 6.0+ for wired), and Mirroring functionality.
- **Advanced Audio:** RHOM 32107 DSP sound processing chip with precise 48-band equalizer adjustment. ST TDA7851 amplifier provides 4x48W surround sound output. Supports coaxial and optical audio output.
- **User Interface:** Intuitive and organized interface with customizable screen display. Supports multi-window display (5:5 split screen) for simultaneous use of navigation and other applications.
- **Bluetooth 5.1:** Qualcomm WCN3988 module for music playback and hands-free calling.
- **Wide FM Radio:** ST TDA7708 radio module for stable reception across a wide frequency range.
- **Steering Wheel Control:** Programmable steering wheel buttons for convenient operation, enhancing driving safety.
- **OTA Updates:** Supports Over-The-Air software updates to fix issues, improve security, and keep the device up-to-date.
- **Expandability:** Compatible with external digital tuners (EONON AV0051), USB HD dash cameras (EONON A100), OBD2 scanners (EONON V0056), and AHD backup cameras (EONON A0119J, A0127).
- **Floating Structure:** Adjustable display angle (front/back, left/right, up/down) for optimal viewing and compatibility with

various vehicle types.

3. SETUP AND INSTALLATION

Before installation, ensure the product is compatible with your vehicle's console panel size and shape. If unsure, contact customer support with your car model, year, and a photo of the installation location.

3.1 Package Contents

Verify that all components are present in the package:

- Backup Camera x1
- USB Cable x1
- CarPlay/Android Auto USB Cable x1
- Audio Cable x1
- AV Cable x1
- Power Cable x1
- GPS Antenna x1
- 4G Antenna x1
- Microphone x1
- Power Cable (for specific wiring) x1
- Mounting Screws x8
- SIM Card Holder x1
- Spare Fuse x1
- Instruction Manual x1



Figure 3.1: Included accessories and technical compliance certificate.

3.2 Wiring Diagram

Refer to the following diagram for proper wiring connections. Ensure all connections are secure before powering on the device.



Figure 3.2: Detailed wiring connections for the navigation system.

Important Wiring Notes:

- If your vehicle has only one steering wheel remote control wire, connect either wire 25 or 26. Do not use either as a GND (ground) wire for the steering wheel remote control.
- Ground wire 22 can be used for both the main power GND and the steering wheel remote control GND.

3.3 Display Installation (Floating Structure)

The floating structure allows for angle adjustments to optimize viewing and fit various vehicle interiors. Adjustments can be made for front/back tilt, left/right swivel, and up/down height.



Figure 3.3: Illustrations of adjustable display angles and panel dimensions.

Caution: When installing, if you disassemble the main unit and the LCD panel, do not attach the LCD panel while the main unit is powered on. This can cause the touch panel to become unresponsive.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

The device runs on Android 13, providing a familiar and intuitive interface. Navigate through applications using touch gestures on the 11.8-inch QLED display.



Figure 4.1: Home screen displaying various applications.

4.2 Smartphone Integration (CarPlay, Android Auto, Mirroring)

Connect your smartphone for enhanced functionality, including navigation, calls, and music.

- **CarPlay (iPhone):** Compatible with iPhone 5 and later. Connect wirelessly to access navigation, make calls, send messages, and listen to music via Siri voice assistant or touch screen.
- **Android Auto (Android phones):** Supports both wireless and wired connections. For wireless Android Auto, your smartphone must support 5GHz Wi-Fi and have the latest Android Auto app installed. For wired, Android 6.0 or higher is required with the latest Android Auto app.
- **Mirroring:** Display your smartphone screen directly on the head unit. Supports both wireless and wired connections.

2.5D
フルタッチスクリーン

178°
多角度視聴可能

1200*2000
画面解像度

2K
まで動画再生可能



Figure 4.2: Visual representation of CarPlay, Android Auto, and screen mirroring.

4.3 Navigation and Internet Connectivity

The system supports various navigation applications and offers flexible internet access.

- **Map Applications:** Download and use map applications like Google Maps to get the latest navigation information.
- **Wi-Fi:** Connect to the internet by creating a Wi-Fi hotspot from your smartphone or other devices.
- **4G LTE:** Insert a SIM card (sold separately) directly into the unit for independent internet access. Ensure the SIM card supports the device's frequency bands.



Figure 4.3: Connectivity options including Wi-Fi, 4G SIM card, and map application usage.

4.4 Audio Features

Experience high-quality audio with advanced sound processing and output options.

- **DSP Sound Processing:** The RHOM 32107 DSP chip allows for precise 48-band equalizer adjustments, delivering clear and powerful sound.
- **Amplifier:** ST TDA7851 amplifier provides 4x48W surround sound output.
- **Output Options:** Supports coaxial and optical audio outputs for connection to various external audio devices.
- **Bluetooth Audio:** Stream music wirelessly via Bluetooth 5.1.
- **FM/AM Radio:** The ST TDA7708 radio module ensures stable reception across a wide frequency range.

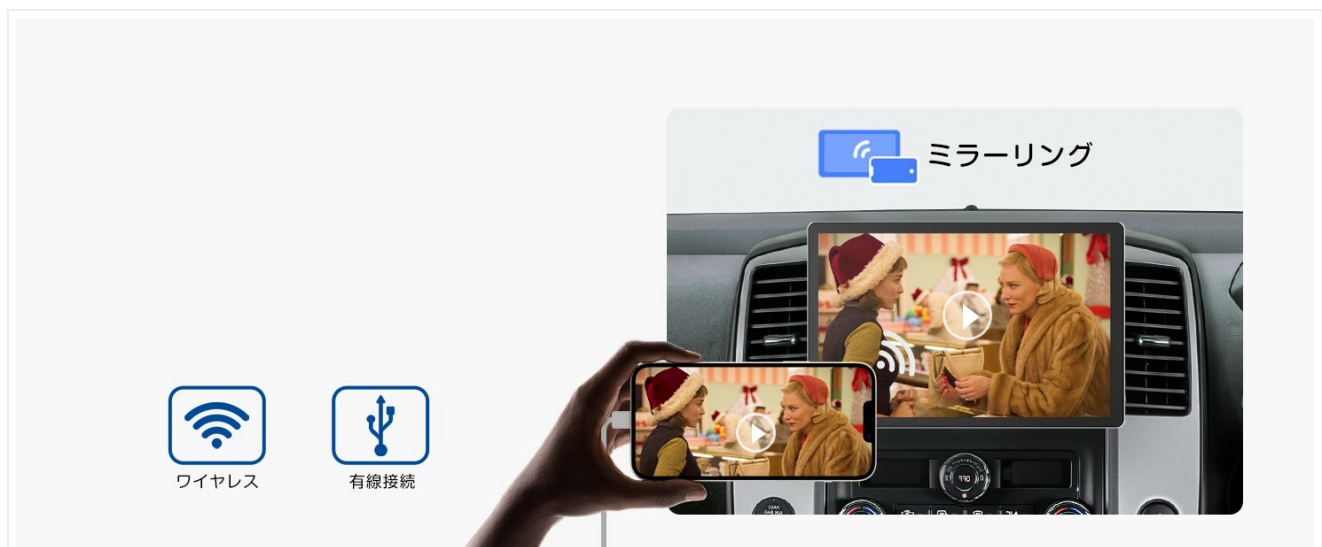


Figure 4.4: Audio equalizer interface and available coaxial/optical output ports.

4.5 Multi-Window and Steering Wheel Control

Enhance your driving experience with convenient interface features.

- **Multi-Window:** Display two applications simultaneously in a 5:5 split screen, such as navigation and a media player, reducing distractions while driving.
- **Steering Wheel Control:** Program frequently used functions to your steering wheel buttons for easy access, promoting safer driving.



Figure 4.5: Multi-window functionality, radio interface, steering wheel control buttons, and OTA update screen.

5. OPTIONAL ACCESSORIES

Expand the functionality of your EONON car navigation system with compatible accessories (sold separately).

- **External Digital Tuner (EONON AV0051):** For watching TV.
- **USB HD Dash Camera (EONON A100):** View recorded footage and monitor traffic conditions on the large screen.
- **OBD2 Scanner (EONON V0056):** Connect via Torque app to monitor vehicle performance data like engine RPM.
- **AHD Backup Camera (EONON A0119J, A0127):** Supports up to 1920x1080 resolution. Automatically switches to the backup camera view when reverse gear is engaged. Features image flip (vertical/horizontal) for flexible camera placement.
- **RCA/HDMI Output (EONON A506/A0596):** For full-screen sharing to external displays. Note: Some apps may not support video output.



Figure 5.1: Overview of compatible optional accessories.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your device.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. Do not use harsh chemicals or abrasive materials.
- **Software Updates:** Regularly check for and install OTA (Over-The-Air) software updates to ensure your system has the latest features, bug fixes, and security enhancements.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

This section addresses common issues and their solutions.

7.1 Touch Panel Unresponsive After Power On

If the touch panel does not respond after powering on (even if the screen is displayed), it may be due to the LCD panel being attached while the main unit was powered on during installation.

- **Solution 1:** Press the RST (Reset) button with a thin object.
- **Solution 2:** Re-attach the LCD panel while the main unit is powered off.

7.2 "IP Error" When iPhone Tethering

If an "IP Error" is displayed when connecting your iPhone via tethering, it may be because the smartphone is assigning an incorrect IP address to the navigation unit, preventing proper internet connection.

Temporary Solution: Manually set the IP address to static "172.20.10.10" on your iPhone.

1. Go to **Settings** → **Wireless** → **Wi-Fi**.
2. Tap the settings icon (i) next to your iPhone's hotspot.
3. Tap the pencil icon (edit) in the upper right corner of the network details screen.
4. Change "IP Settings" to "Static".
5. Set the IP address to "172.20.10.10" and tap "Save".

8. SPECIFICATIONS

Feature	Specification
Screen Size	11.8 inches
Display Type	QLED
Resolution	1200 x 2000
Operating System	Android 13
Processor	Qualcomm Snapdragon 6225 (8-core)
RAM	8GB LPDDR4
ROM	256GB
GPU	Adreno 610
DSP	Hexagon 686, RHOM 32107
Amplifier	ST TDA7851 (4x48W)

Feature	Specification
Bluetooth Version	5.1 (Qualcomm WCN3988 module)
Wi-Fi	WiFi 6 ready
4G LTE Module	Built-in (SIM card sold separately)
Radio Module	ST TDA7708 (Wide FM compatible)
Connectivity	Bluetooth, USB, Wi-Fi
Mounting Type	Dashboard Mount (2DIN)
Compatible Vehicles	Passenger cars
Product Model Number	UX6SKJ-PRO-MAX
Dimensions (Package)	32.29 x 22.2 x 22.1 cm
Weight (Package)	2.64 kg

9. WARRANTY AND SUPPORT

Eonon products typically come with a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Eonon website for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or inquiries regarding your product, please contact Eonon customer service. Contact information can usually be found on the official Eonon website or in the provided documentation.

Note: The product has obtained technical compliance certification (Certification Number: 222-254737).


10. OFFICIAL PRODUCT VIDEO



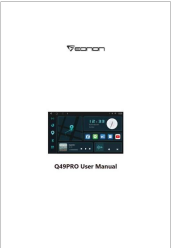


Watch the official product video for a visual guide to the EONON 11.8-inch 2DIN Car Navigation System's features and operation.

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This video demonstrates the key features and user interface of the EONON 11.8-inch 2DIN Car Navigation System. It covers aspects such as the display, navigation, and connectivity options.

Related Documents - UX6SKJ-PRO-MAX

	<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>
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	<p>Eonon VWA12S User Manual: Features, Installation, and Operation Guide</p> <p>Comprehensive user manual for the Eonon VWA12S car infotainment system. Covers product overview, features like Wireless CarPlay and Android Auto, GPS navigation, Bluetooth, settings, and troubleshooting for your Eonon VWA12S car stereo.</p>
	<p>Eonon Android Car Stereo User Manual - Navigation, Bluetooth, Media, and More</p> <p>Comprehensive user manual for Eonon Android car stereos, covering setup, navigation, Bluetooth connectivity, media playback, app installation, CarPlay, Android Auto, and system settings.</p>
	<p>Eonon Q49PRO User Manual</p> <p>User manual for the Eonon Q49PRO car stereo, covering installation, features, settings, and troubleshooting.</p>
	<p>Eonon Car Multimedia System User Manual</p> <p>Comprehensive user manual for the Eonon car multimedia system, detailing installation, product overview, features like CarPlay, Android Auto, Bluetooth phone calls and music, USB/SD playback, screen mirroring, FM transmit, settings, specifications, and frequently asked questions.</p>
	<p>Eonon GPA13 Car Media Player User Manual</p> <p>Comprehensive user manual for the Eonon GPA13 Car Media Player, covering installation, features like Radio, CarPlay, Android Auto, settings, specifications, and troubleshooting.</p>