

Eonon UX6K-PRO-MAX

Eonon UX6K-PRO-MAX Android 13 Car Stereo Instruction Manual

Model: UX6K-PRO-MAX

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Eonon UX6K-PRO-MAX Android 13 Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and safety. The UX6K-PRO-MAX is a 10.1-inch double DIN car stereo featuring Android 13, 8GB RAM, 128GB ROM, 4G LTE, GPS navigation, wireless CarPlay, Android Auto, screen mirroring, Bluetooth 5.1, and a built-in DSP.



Image 1.1: Eonon UX6K-PRO-MAX Car Stereo with included accessories.

2. SETUP AND INSTALLATION

2.1 Package Contents

Verify that all components are present in the package:

- Power cord (x1)
- GPS Antenna (x1)
- 4G Antenna (x1)
- USB cable (x1)
- CarPlay USB cable (x1)
- Reversing input cable (x1)
- Audio cable (x1)
- AV conversion cable (x1)

- Spare fuse (x1)
- SIM card holder (x1)
- External microphone (x1)
- Screws (x8)
- Instruction manual (x1)



Image 2.1: Contents of the Eonon UX6K-PRO-MAX package.

2.2 Compatibility and Mounting

The UX6K-PRO-MAX is a double DIN car stereo. It is compatible with most dash kits if your original car radio's mounting size is 178x100mm (7.01"x3.94") and it uses an ISO power cord. Direct installation is possible under these conditions. If your car's dashboard size is not 178x100mm or has an irregular frame, an additional mounting kit (not included) will be required. For vehicles without an ISO power cord, a compatible ISO adapter must be purchased separately.

Applicable Models

This car stereo is designed to fit a car dashboard size of **178*100mm**.



This is a double din car stereo and is not compatible with your car if it has a single din factory stereo. Please check out the Eonon portable car radio instead.



Image 2.2: Applicable dashboard dimensions for installation.

If your car's dashboard size is **not** 178*100mm, you will need an additional installation kit **(not included)** for installation.



Image 2.3: Guidance for installation with irregular frames or non-ISO wiring.

2.3 Wiring Diagram

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

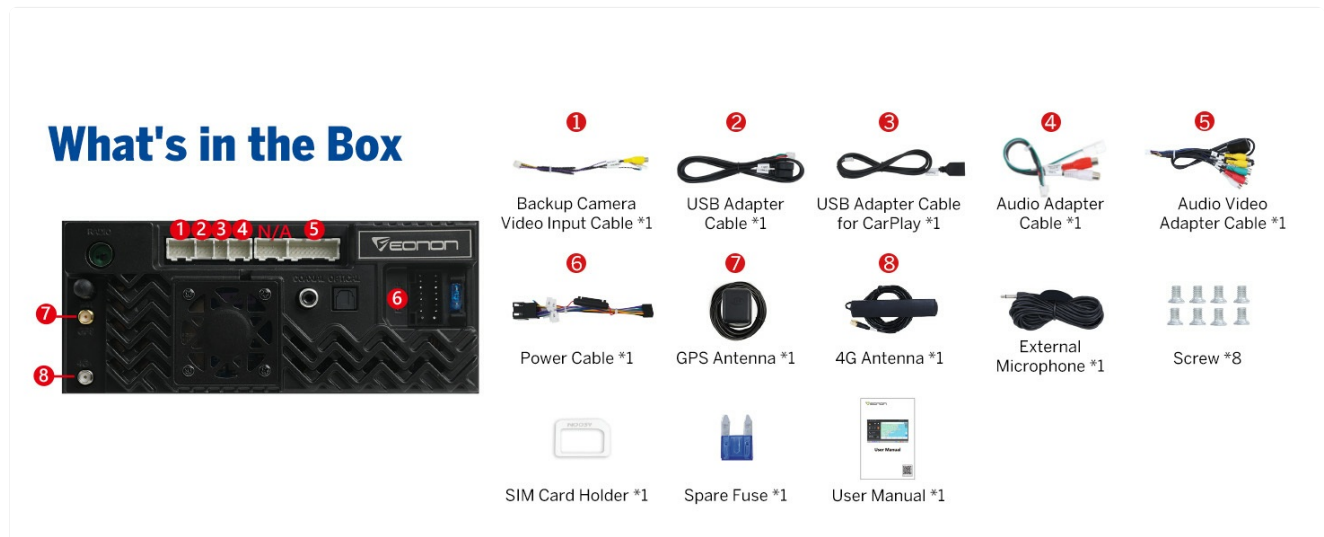


Image 2.4: Wiring diagram for the UX6K-PRO-MAX.

1. GPS
2. 4G Antenna
3. USB Port
4. USB Port
5. USB Port for CarPlay
6. Backup Camera Input
7. Brake Shift Control
8. RX/TX Input
9. Audio Output RL
10. Audio Output RR
11. AMP
12. SIM Card Slot
13. External Microphone
14. Audio Output FL
15. Audio Output FR
16. Audio Input L
17. Audio Input R
18. Video Input
19. Front Camera Input
20. Subwoofer Output
21. ISO Port
22. Illumination Wire
23. SWC Wire 2
24. Reverse Trigger Wire
25. SWC Wire 1
26. Bluetooth Antenna
27. WiFi Antenna
28. Coaxial
29. Optical

3. OPERATING INSTRUCTIONS

3.1 CarPlay & Android Auto & Screen Mirroring

- **Wireless CarPlay:** Connect your iPhone via Bluetooth for a seamless in-vehicle experience.
- **Android Auto:** Access the full-featured Android Auto system via both Bluetooth and USB connections.
- **Screen Mirroring:** Project content from your mobile phone onto the large screen for enhanced viewing.

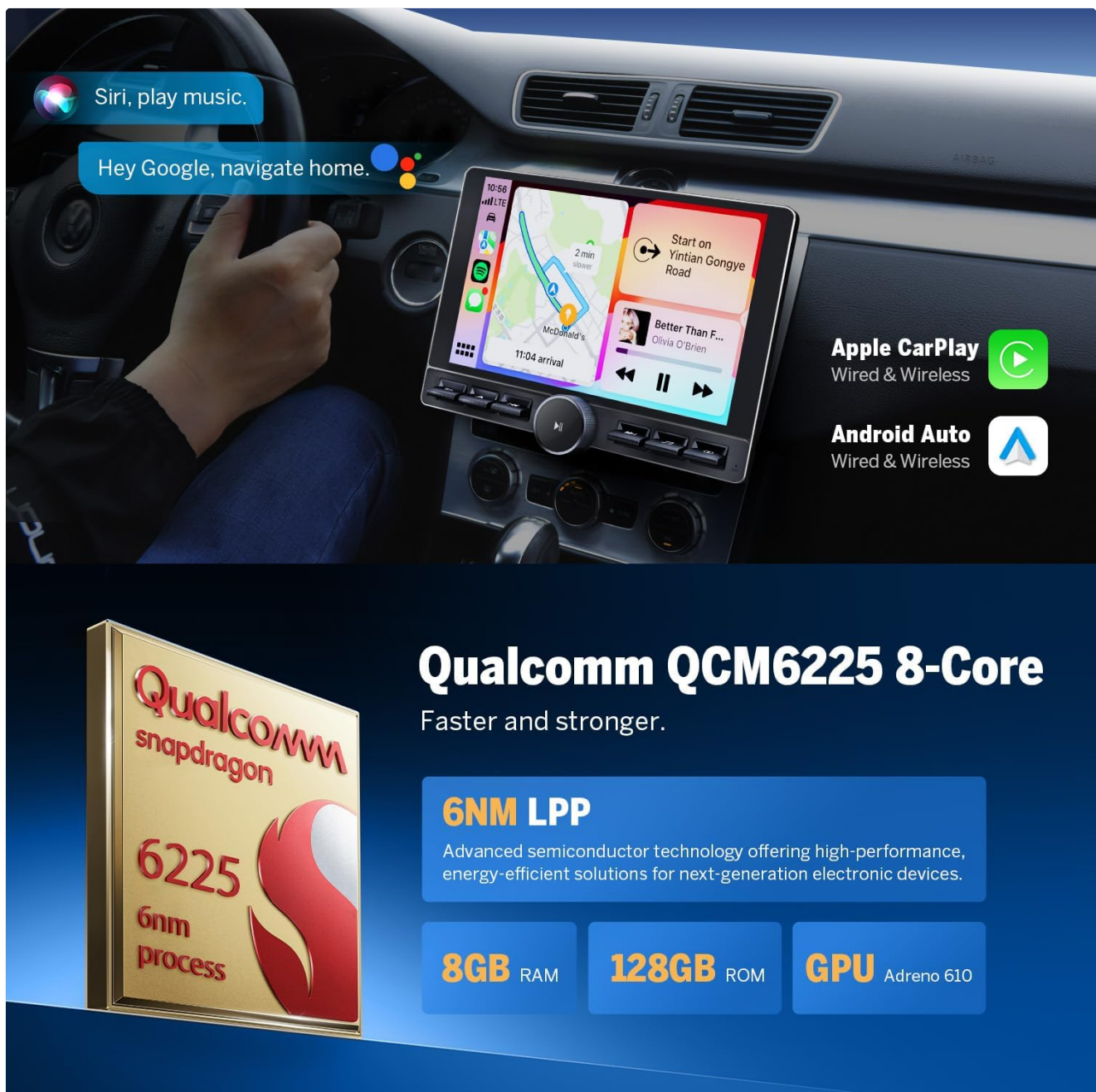


Image 3.1: CarPlay and Android Auto functionality.

3.2 Bluetooth 5.1

The built-in Bluetooth 5.1 system supports hands-free calls, contact synchronization, and music playback. An external microphone is included for clear call quality, enhancing driving safety.

Independent Bluetooth Module + Extra Bluetooth Antenna



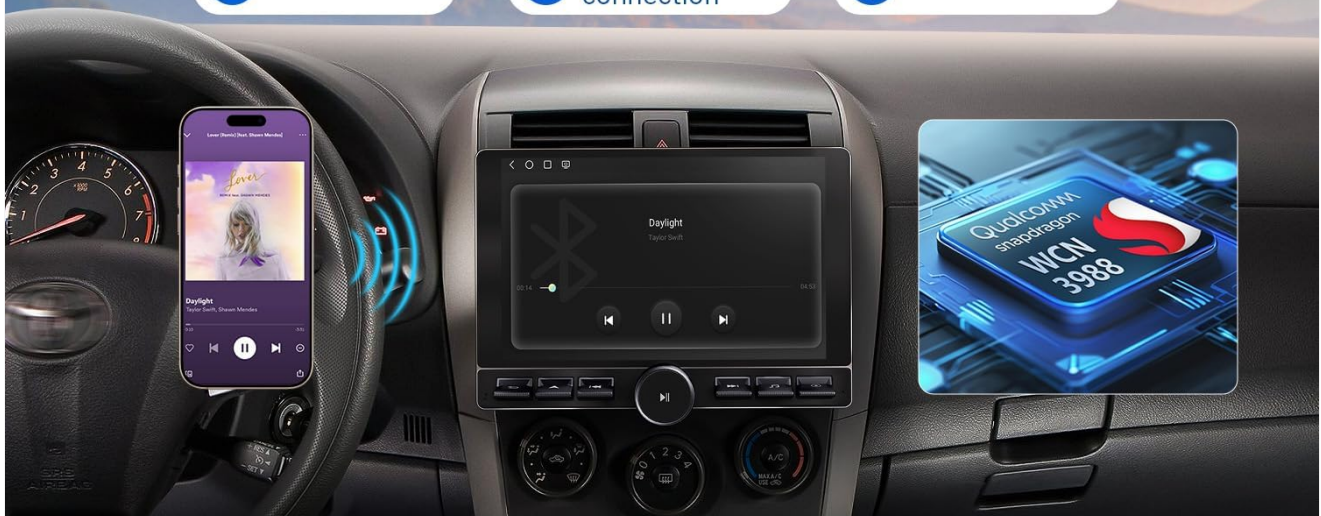
Bluetooth 5.1



Quick & stable connection



Noise reduction



Wi-Fi & Built-in 4G Module

Wi-Fi 6 ready



Wi-Fi 2.4/5 GHz ready



SIM card(not included)



Image 3.2: Bluetooth 5.1 and 4G module features.

3.3 Digital Sound Processor (DSP)

The integrated DSP enables time alignment in car audio systems, ensuring sound waves from different speakers reach the listener simultaneously for improved sound quality and precision. It includes a 48-band graphic equalizer and six preset EQ modes for audio customization.

Built-in DSP

Digital Signal Processing (DSP) enables time alignment in car audio systems, ensuring sound waves from different speakers reach the listener simultaneously for improved sound quality and precision.

**RHOM
32107**
DSP chip

48
Band graphic
equalizer

**ST
TDA7851**
amplifier

4x48W
max output
power



Image 3.3: Built-in DSP interface.

3.4 Split Screen Multitasking

The split-screen function allows you to view and use two applications simultaneously on the 10.1-inch display, enhancing multitasking capabilities.



Image 3.4: Split-screen multitasking in action.

3.5 User Interface (UI) Themes

The unit comes with four built-in UI themes that can be selected to personalize the display interface.

Wi-Fi & Built-in 4G Module



Image 3.5: Available UI themes.

4. FEATURES

4.1 High Performance Processor

The Eonon UX6K-PRO-MAX is powered by a Qualcomm QCM6225 Quad-core processor with 8GB RAM and 128GB ROM. This configuration, utilizing 6nm Low-Power process technology, ensures responsive performance for daily tasks and high-performance capabilities.



Image 4.1: Qualcomm QCM6225 processor specifications.

4.2 10.1 Inch QLED Display

The unit features a 10.1-inch QLED capacitive touch screen with a 1280x720 HD resolution. This display provides vivid colors, increased brightness, and higher contrast from various viewing angles.



Image 4.2: 10.1-inch QLED display features.

4.3 Connectivity

The UX6K-PRO-MAX includes Wi-Fi 6 and Wi-Fi 2.4/5 GHz support, along with a built-in 4G module (SIM card not included) for robust internet connectivity.

4.4 HD Backup Camera Support

The system supports 1080P HD reversing cameras, providing a safer and more efficient parking experience. The Eonon rearview camera (A0127) is included.

4.5 HDMI HD Video Output

The unit features HDMI HD video output, allowing connection to external displays.

4.6 Physical Buttons and Design

The stereo incorporates physical buttons for ease of use and a seamless bonded panel design for a sleek appearance.



Image 4.3: Physical buttons for intuitive control.



Image 4.4: Seamless bonded panel design.

4.7 Adjustable Viewing Angle

The display offers an adjustable viewing angle to optimize visibility for the driver.

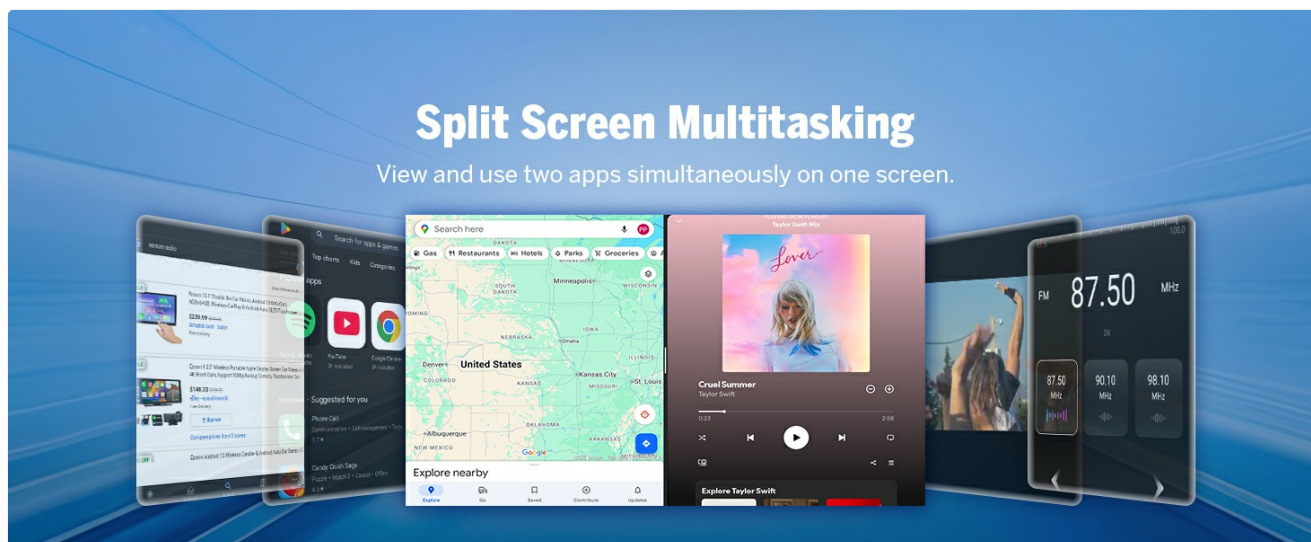


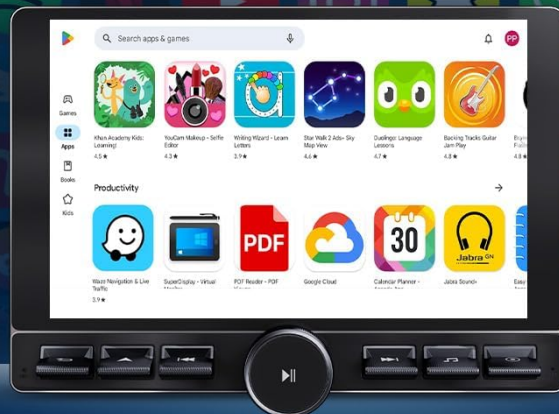
Image 4.5: Adjustable viewing angle.

5. MAINTENANCE

5.1 Software Updates (OTA)

The UX6K-PRO-MAX supports Over-the-Air (OTA) firmware updates. These updates address software issues and enhance security, keeping your head unit current. Note that these updates are for firmware and do not upgrade the Android operating system version.

Android 13 (API level 33)



- Over-the-air firmware update(not Android system)
- Smartphone integration
- App flexibility
- Ease of use

Over-the-air Firmware Update

Keep your car stereo up-to-date through OTA updates. Fix software issues and enhance security with just a few taps.

Note: Android system upgrade is not supported.



Image 5.1: Over-the-Air Firmware Update information.

5.2 General Care

To maintain the longevity and performance of your car stereo, regularly clean the screen with a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials. Ensure proper ventilation around the unit to prevent overheating.

6. TROUBLESHOOTING

If you encounter any issues with your Eonon UX6K-PRO-MAX car stereo, please refer to the following general troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the car's ignition is on.
- **No Sound:** Verify speaker connections, volume settings, and audio source selection. Check DSP settings.
- **Touchscreen Unresponsive:** Restart the unit. If the issue persists, a factory reset may be necessary (consult support).
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Bluetooth Connection Problems:** Ensure Bluetooth is enabled on both the stereo and your device. Try unpairing

and re-pairing the devices.

- **CarPlay/Android Auto Not Connecting:** Check USB cable connections (if wired). Ensure Bluetooth is enabled (if wireless). Verify your phone's compatibility and software version.

For more specific issues or persistent problems, please contact Eonon customer support.

7. SPECIFICATIONS







Feature	Specification
Model Name	UX6K-PRO-MAX
Operating System	Android 13
Processor	Qualcomm QCM6225 Quad-core (6nm LPP)
RAM	8GB
ROM	128GB
Screen Size	10.1 Inches
Display Type	QLED Capacitive Touchscreen
Resolution	1280x720 HD
Bluetooth Version	5.1
Wi-Fi Standards	Wi-Fi 6, Wi-Fi 2.4/5 GHz
4G LTE	Built-in Module (SIM card not included)
Audio Output Mode	Stereo, Optical + Coaxial + RCA
Max Output Power	4 x 48W
Special Features	Android Auto, CarPlay, GPS, Backup Camera Support, Bluetooth, Screen Mirroring, Split Screen, Built-in DSP
Product Dimensions	17.8 x 17.8 x 10 cm
Weight	1.2 kg

8. WARRANTY AND SUPPORT

The Eonon UX6K-PRO-MAX car stereo is backed by a full **2-YEAR Product Repair** warranty. For any questions, technical assistance, or to resolve ongoing issues, please contact Eonon customer support.

You can find additional support resources and contact information on the official Eonon support website:

www.eononsupport.com

	<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 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 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>
	<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 Q63Pro Installation Manual for Mazda 3 (2010-2013)</p> <p>Detailed installation guide for the Eonon Q63Pro 9-inch Android 10 car stereo head unit in Mazda 3 vehicles (2010-2013). Covers GPS, CarPlay, Android Auto, DSP, Bluetooth, and more.</p>
	<p>Eonon Q49PRO User Manual</p> <p>User manual for the Eonon Q49PRO car stereo, covering installation, features, settings, and troubleshooting.</p>

