Eonon UX6K-PRO-MAX-U

Eonon UX6K Pro Max Double Din Car Radio User Manual

Model: UX6K-PRO-MAX-U | Brand: Eonon

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Eonon UX6K Pro Max Double Din Car Radio. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.
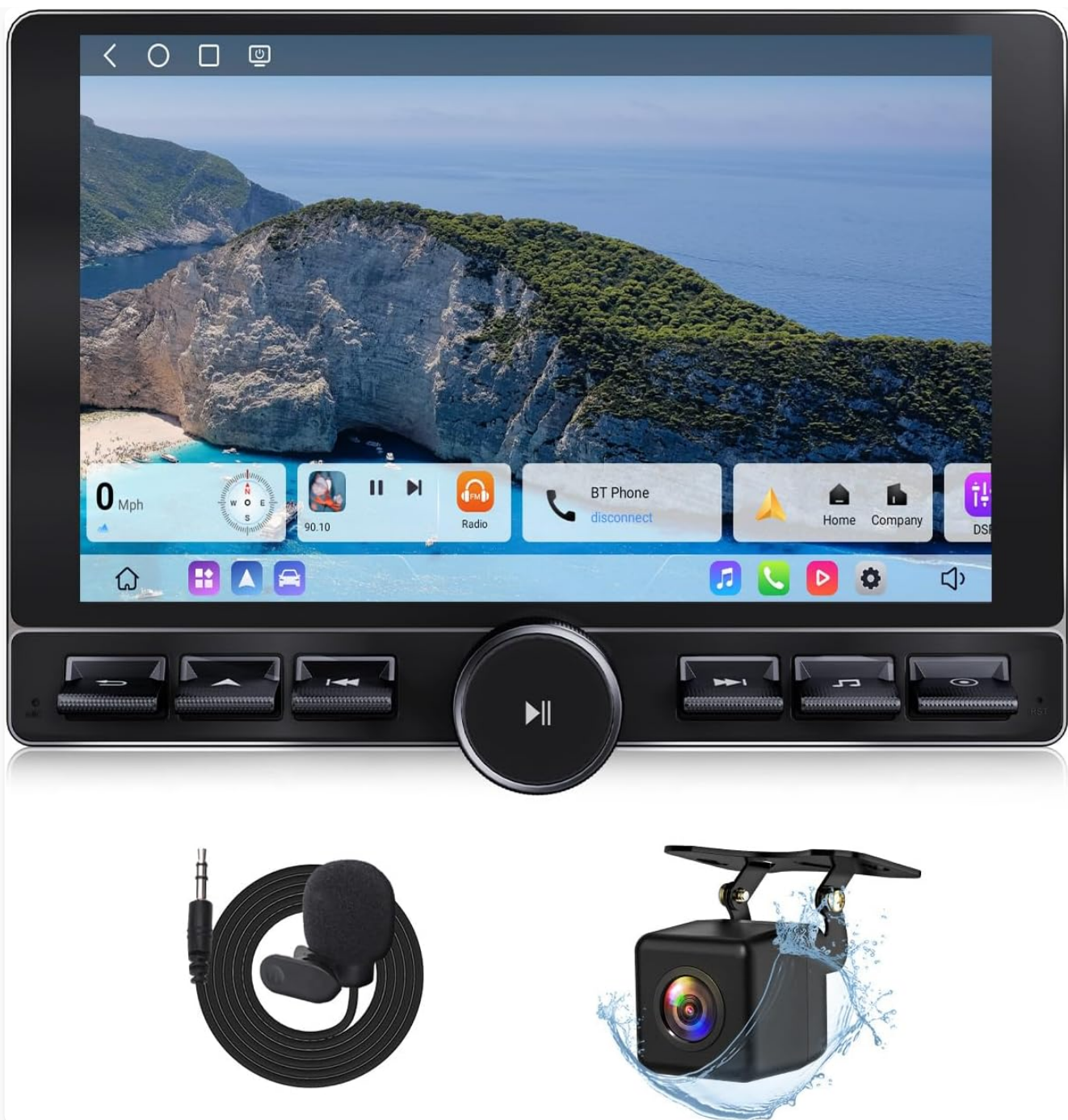
Image: Eonon UX6K Pro Max Car Radio with included accessories.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your product package:

- Eonon UX6K Pro Max Headunit
- 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)
- A0125 Backup Camera (x1)

Image: Visual representation of all items included in the box.

3. Setup and Installation

3.1. Pre-Installation Check

Before beginning installation, ensure your vehicle's dashboard size is compatible. This car stereo is designed to fit a dashboard size of 178*100mm (double din). If your car has a single din factory stereo, this product is not compatible.

Image: Dashboard compatibility guide.

3.2. Wiring Diagram

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

ST TDA7851 4 x 48W Amp

Optimized Drive for Factory Speakers
Warm vocals & true Hi-Fi fidelity with ≤ 0.1% THD
95 dB SNR Cosmic Silence — Hear Every Breath of Vocals

Multi-channel audio outputs : RCA + Subwoofer + Optical + Coaxial

Provides maximum flexibility for connecting amplifiers, subwoofers, and DSPs

RHOM 32107 DSP with 48-Band Equalizer

Smart Sound Modes: Music/ Movie/Game 1-Click Optimize Immersive 3D Surround for Any Space

Optimized for Your Car's Acoustics

0-4ms Time Alignment × Hi/Lo-Pass Filtering Pure Sound Staging & Noise-Free Immersion

Image: Comprehensive wiring diagram for the headunit.

3.3. Installation Kit (If Needed)

If your car's dashboard size is not 178*100mm, an additional installation kit (not included) may be required. The power cable of your factory car radio must have an ISO standard interface. If not, a compatible ISO wiring harness will be needed.

Image: Installation process with an optional kit and ISO harness.

4. OPERATING INSTRUCTIONS

4.1. System Overview (Android 13)

The Eonon UX6K Pro Max operates on Android 13, offering a modern and flexible user experience. It features a Qualcomm QCM6225 8-Core processor for high performance and efficiency.

Android 13

If you want to upgrade your car's entertainment system with features like smartphone integration, app flexibility, and ease of use, an Android car stereo is the ideal choice.

Image: Qualcomm QCM6225 Processor details.

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: Android 13 interface.

4.2. Connectivity

- **Wireless & Wired CarPlay/Android Auto:** Connect your smartphone for navigation, music, and communication.
- **Bluetooth 5.1:** Provides fast and stable connections for hands-free calling and audio streaming.
- **Wi-Fi 6 & Built-in 4G Module:** Offers high-speed internet access via Wi-Fi or by inserting a SIM card (not included).
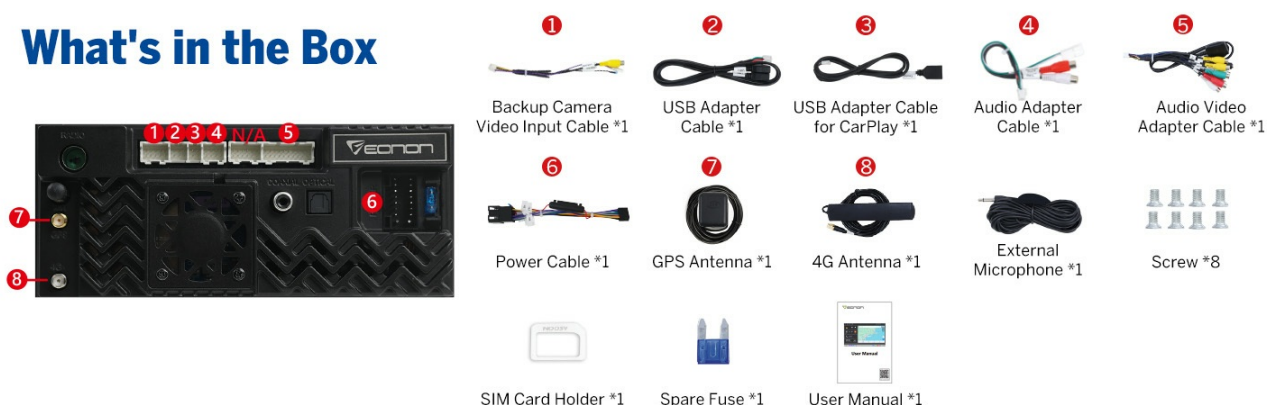
What's in the Box

① Backup Camera Video Input Cable *1

② USB Adapter Cable *1

③ USB Adapter Cable for CarPlay *1

④ Audio Adapter Cable *1

⑤ Audio Video Adapter Cable *1

⑥ Power Cable *1

⑦ GPS Antenna *1

⑧ 4G Antenna *1

External Microphone *1

Screw *8

SIM Card Holder *1

Spare Fuse *1

User Manual *1

Image: CarPlay and Android Auto integration.

Wi-Fi & Built-in 4G Module

Wi-Fi 6 ready

Wi-Fi 2.4/5 GHz ready

SIM card(not included)

12mm
15mm

8.8mm
12.3mm

Image: Bluetooth 5.1 module.

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

Driving mode

Assistant mode

Rear mode

Full mode

Reset

Bass boost   3D surround   Sound field   Filter

Image: Wi-Fi and 4G connectivity.

4.3. Audio Features

The unit includes a built-in DSP (Digital Signal Processing) with a RHOM 32107 DSP chip and a 48-band graphic equalizer for precise sound customization. The ST TDA7851 amplifier delivers 4x48W max output power. Optical

and coaxial audio outputs are available for professional audio setups.

Image: Built-in DSP interface.

Image: Optical and Coaxial audio outputs.

4.4. Display and User Interface

The 10.1-inch QLED HD display (1280x720 resolution) offers vibrant colors and sharp visuals. The multi-touch capacitive touchscreen ensures effortless interaction. The panel is adjustable for optimal viewing angles.

Image: Adjustable viewing angle options.

The system supports split-screen multitasking, allowing two applications to run simultaneously. The UI is customizable with various themes and adjustable button lights.
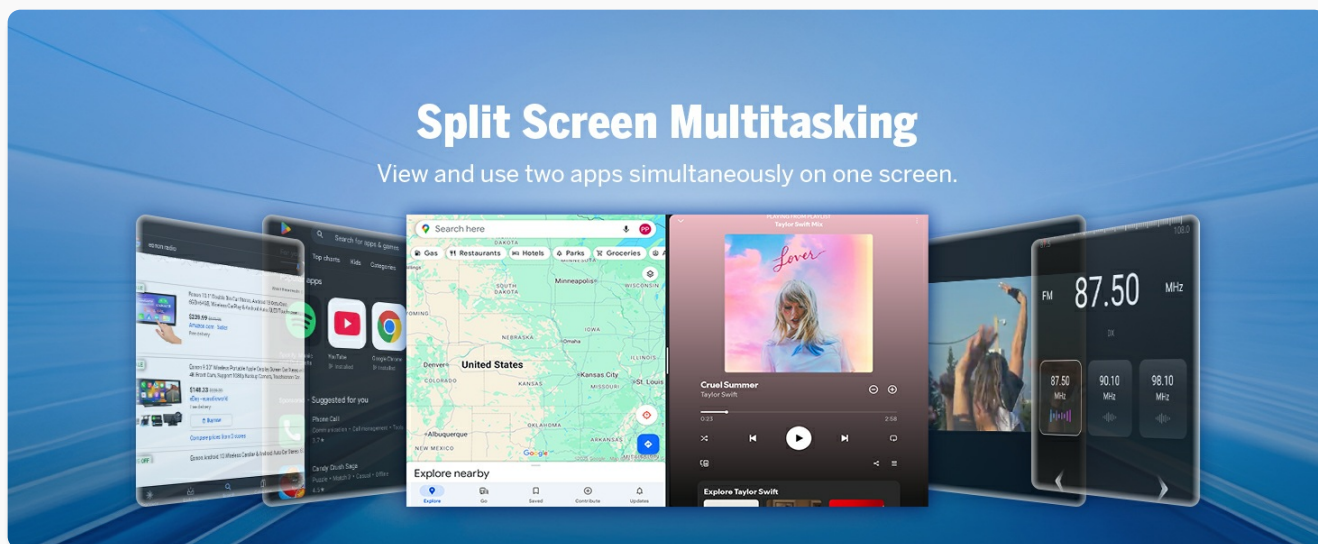
Image: Split-screen multitasking.

Image: UI customization options.

4.5. Physical Controls

The unit features large physical buttons and a rotary knob for tactile feedback and ease of use while driving.

CPU	Qualcomm QCM6225 8-Core	Qualcomm QCM6125 8-Core
Process Node	6nm LPP	11nm LPP
RAM	8GB	6GB
ROM	128G	64GB
WI-FI Standards	Wi-Fi 6	Wi-Fi 5
Bluetooth	5.1	5
External Amplifier Output	Optical + Coaxial + RCA	RCA

Image: Physical buttons and rotary knob.

4.6. Accessories Support

- **Backup Camera:** Includes a 1080P AHD rearview camera (A0125) for enhanced safety during reversing.
- **Dash Cam (Not Included):** Supports external dash cams like the A100 for recording driving footage.
- **OBD2 (Not Included):** Compatible with OBD2 devices (e.g., V0056) for vehicle fault diagnosis and real-time status monitoring.
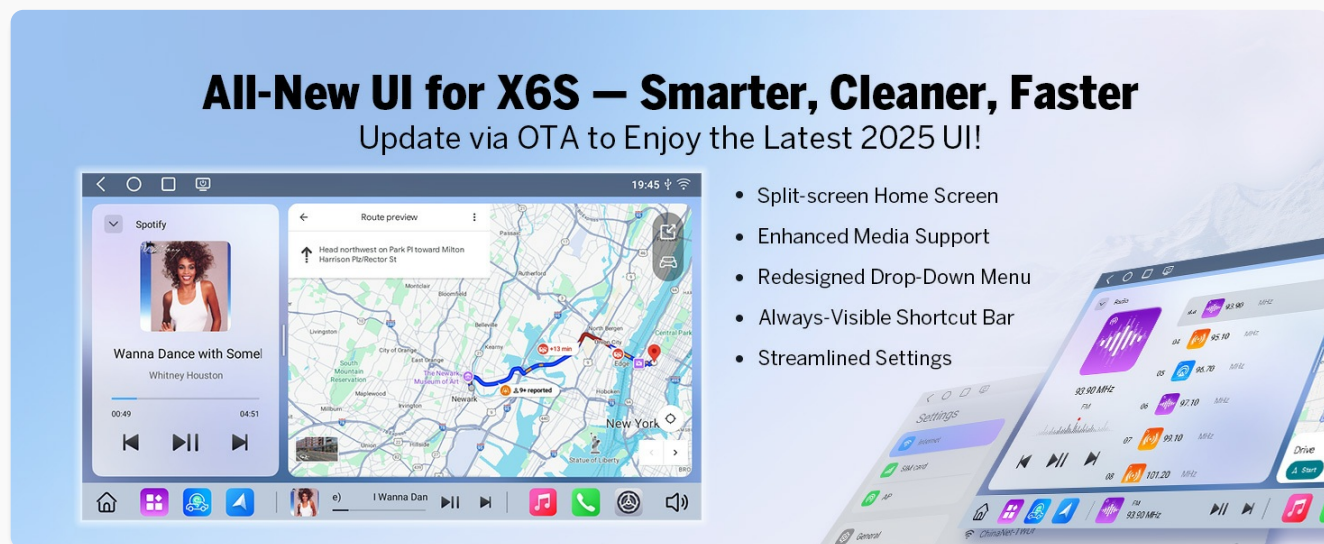
Image: Backup camera functionality.

Image: Dash cam support.

Image: OBD2 support.

5. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the QLED screen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Keep your car stereo up-to-date through Over-the-Air (OTA) firmware updates to fix software issues and enhance security. Note: Android system upgrades are not supported via OTA.
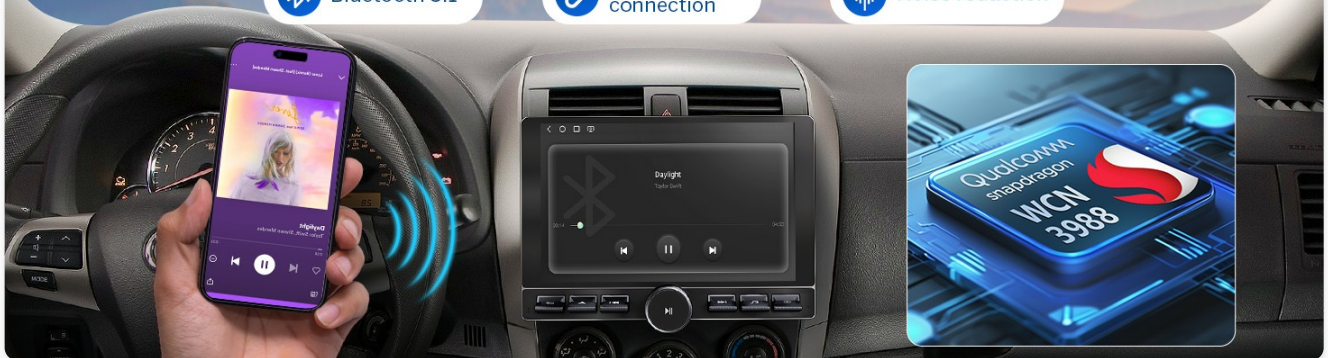
Image: Over-the-air firmware update process.

6. TROUBLESHOOTING

- **Volume Creep:** If the volume increases by itself, check for any external interference or software glitches. A system restart may resolve this.
- **Low RCA Output Voltage:** Ensure proper grounding and check all audio connections. If the issue persists, consult technical support.
- **Screen Brightness at Night:** The unit may not offer automatic night dimming. Manually adjust the screen brightness to night mode for comfortable viewing during nighttime driving.
- **Frozen Screen:** If the screen becomes unresponsive, perform a cold reboot by temporarily disconnecting the car battery.
- **General Software Issues:** Ensure the firmware is up-to-date via OTA updates. If problems persist, contact Eonon support.

7. SPECIFICATIONS

Feature	Specification
Model Name	UX6K-PRO-MAX-U
Processor	Qualcomm QCM6225 8-Core (Quad-core ARM Cortex-A73 2.4GHz + Quad-core ARM Cortex-A53 1.9GHz)
Process Node	Samsung 6nm LPP
RAM	8GB LPDDR4
ROM	128GB
Operating System	Android 13 (API level 33)
Display Size	10.1 Inches
Display Type	QLED HD

Display Resolution	1280x720
GPU	Adreno 610
Bluetooth	Bluetooth 5.1 (Qualcomm WCN3988)
Wi-Fi Standards	Wi-Fi 6 ready, Wi-Fi 2.4/5 GHz ready
4G LTE	Built-in 4G module (SIM card not included)
DSP Chip	RHOM 32107
Equalizer	48-band
Amplifier	ST TDA7851 (4x48W surround sound output)
Radio Module	ST TDA7708 (FM/AM/RDS Support)
Audio Outputs	Optical, Coaxial, RCA
USB Ports	3
Dimensions	25.65 x 25.65 x 25.65 cm
Weight	2.51 kg

Image: Model comparison table.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Eonon provides a 2-year warranty for this product. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact Eonon customer support. Eonon offers:

- Quick reply within 24 hours (excluding weekends)

- 30-Day Free Returns

- Replacement within 90 days

- Lifelong after-sales service

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

fit.eononsupport.com

Related Documents - UX6K-PRO-MAX-U

	BMW 3 Series E46 Installation Manual - Eonon Head Unit 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.
	Pepwave MAX User Manual A comprehensive guide to setting up and using Pepwave MAX wireless SD-WAN routers, covering features, installation, configuration, and advanced functionalities for various business and enterprise deployments.
	BMW 3 Series (E90/E91/E92/E93) 2005-2011 Eonon Head Unit Installation Manual Comprehensive installation manual for Eonon car stereo head units in BMW 3 Series (E90, E91, E92, E93) models manufactured between 2005 and 2011. This guide provides detailed, step-by-step instructions for removing the factory radio and air conditioning controls, wiring the new unit, and fitting it into the dashboard. It covers essential steps such as checking console compatibility, using specialized tools, connecting harnesses, and testing features.
	Eonon Q63Pro Installation Manual for Mazda 3 (2010-2013) 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.

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[Android Car Stereo Installation and User Guide for Ford Vehicles](#)
Comprehensive guide for installing and operating an Android car stereo system designed for Ford Focus, S-Max, Mondeo, Galaxy, C-Max, and Kuga models. Covers wiring, setup, features like Carplay/Android Auto, and troubleshooting.

Q49PRO User Manual

[Eonon Q49PRO User Manual](#)
User manual for the Eonon Q49PRO car stereo, covering installation, features, settings, and troubleshooting.