

## EONON Q50UPRO-HK(3GB+32GB)

# Eonon CarPlay & Android Auto Car Stereo Receiver User Manual

Model: Q50Pro (Q50UPRO-HK(3GB+32GB))

Compatible with BMW 3 Series 1999-2005 (E46)

## 1. INTRODUCTION

Thank you for choosing the Eonon CarPlay & Android Auto Car Stereo Receiver. This manual provides detailed instructions for the installation, setup, operation, and maintenance of your new car stereo. Please read this manual thoroughly before use to ensure proper installation and optimal performance.



Image: Eonon Q50Pro Car Stereo Receiver displaying the CarPlay interface.

## 2. WHAT'S IN THE BOX

Carefully unpack the box and ensure all items listed below are present and in good condition. If any items are missing or damaged, please contact Eonon customer support.



Image: Diagram illustrating the contents of the product package.

- Eonon Q50Pro Car Stereo Unit
- GPS Antenna
- CAN Bus Decoder
- Power Cable
- Audio Video Adapter Cable
- Backup Camera Video Input Cable
- USB Adapter Cable (x2)
- CarPlay & Android Auto USB Adapter Cable
- External Microphone
- Radio Antenna Adapter Cable
- Radio Antenna Adapter
- 10A Fuse
- 3M Adhesive Pad
- User Manual (this document)

### 3. PRODUCT FEATURES

The Eonon Q50Pro is designed to enhance your driving experience with a range of advanced features:

- **Operating System:** Android 10.0
- **Processor:** Unisoc UIS8581A 8-core A55 CPU
- **Memory & Storage:** 3GB RAM + 32GB Internal Storage
- **Display:** 9-inch 1280x720 HD resolution screen with comfortable 2.5D touch
- **Connectivity:** Bluetooth 5.0, USB, Wi-Fi (5GHz support)
- **Smartphone Integration:** Wireless & Wired Apple CarPlay, Wireless & Wired Android Auto
- **Audio Processing:** Built-in DSP with 48-Band Equalizer and 9 EQ-Modus, supporting sound field, surround sound, bass boost, and audio optimization.
- **Radio:** AM/FM Radio
- **Camera Support:** Supports AHD Rear Camera (e.g., A0125 model)
- **Control:** Steering Wheel Control compatibility
- **Customization:** Multiple UI Themes and Android APP Download via Google Play Store
- **Design:** Ultra-thin 50mm body for sleek integration



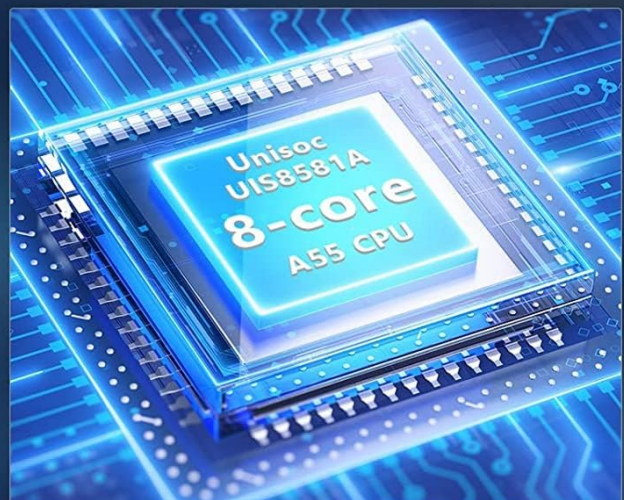
**1280\*720 HD resolution screen**



**Comfortable 2.5D touch screen**



**50mm ultra-thin body**



**Unisoc UIS8581A 8-core A55 CPU**

Image: Details showcasing the 1280x720 HD resolution screen, 2.5D touch, 50mm ultra-thin body, and Unisoc UIS8581A 8-core CPU.



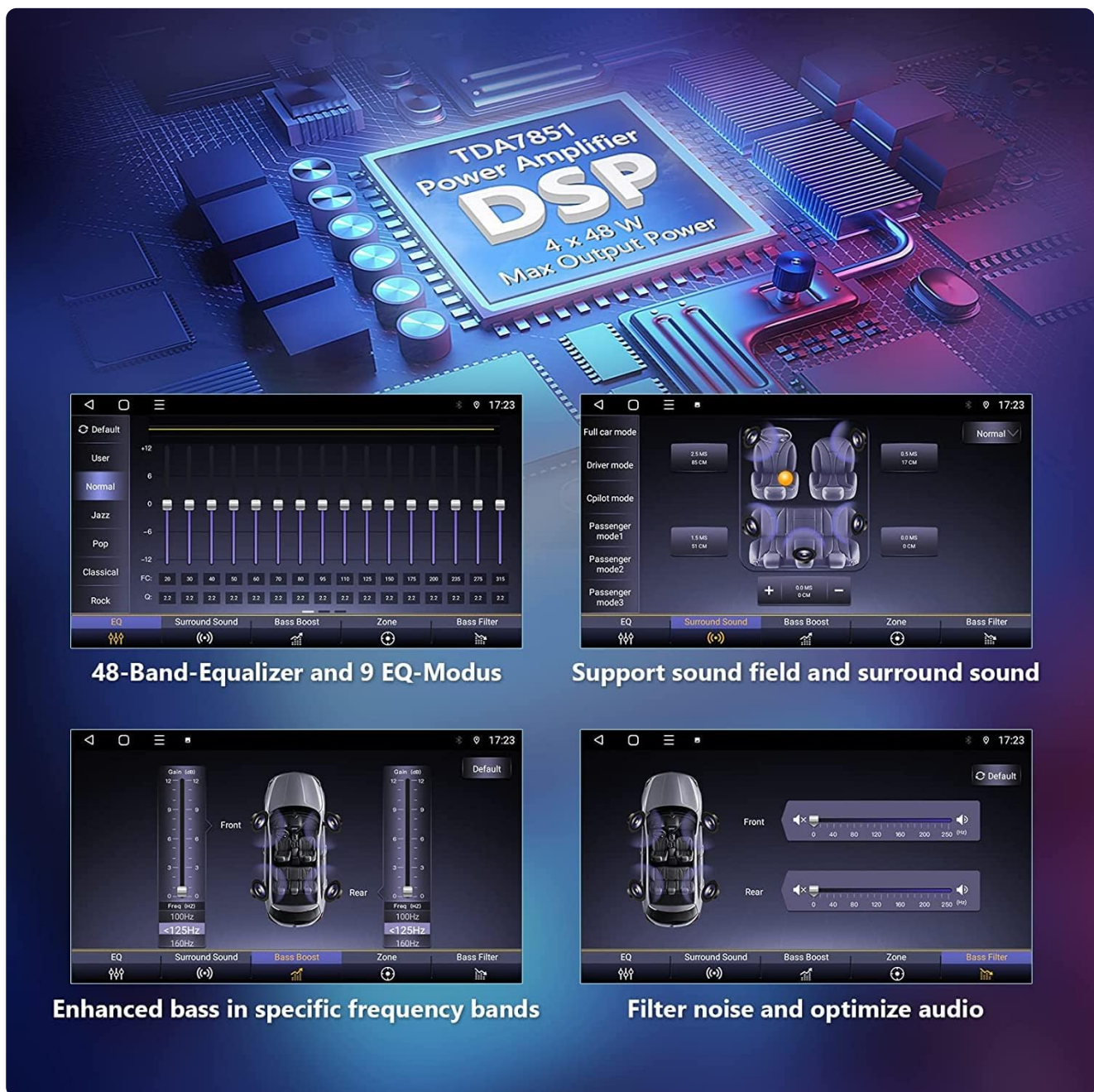


Image: Visual representation of the 48-Band Equalizer and DSP sound field controls.

## 4. INSTALLATION

This unit is specifically designed for BMW 3 Series E46 models from 1999-2005. Installation typically involves replacing the factory radio. It is highly recommended to consult a professional for installation if you are not familiar with car audio wiring and vehicle disassembly.

### 4.1 Compatibility and Harness

Ensure your vehicle's radio plug matches the requirements. For cars with factory navigation or DSP systems, an optional 5M Extension Harness A0590 (not included) is required for proper installation.

# Applicable Models: BMW 3 Series 1999-2005(E46)

Note: It can not be plug & play if your car in-dash radio plug is same as shown on the right picture. **Extension harness A0590(not included)** is required for installation.



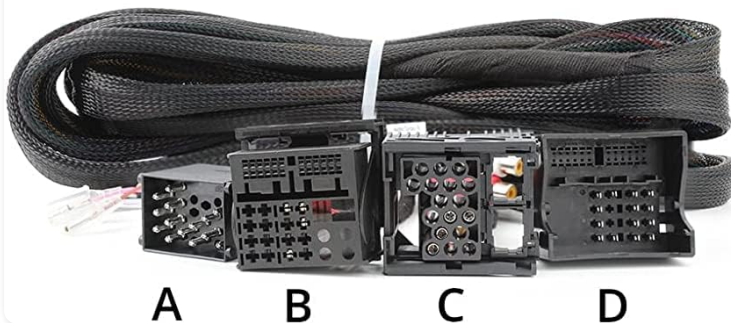
Note: It's not compatible with Eonon head unit if the radio harness is 17 pin and lack of 4 pin as shown on the right picture.



Note: If there is installation issue as shown on right picture. Please reorganize the car stereo cables to make sure it's not blocking the car stereo. If there is bracket inside the center console blocking the car stereo, please cut off the protruding part of the bracket.



## 5M Extension Harness A0590(Not Included) Designed for car with Navigation or DSP system



**A: 17 Pin Male Plug**(connect to car plug)

**B: 40 Pin Female Plug**(connect to BM54)

**C: 17 Pin Female Plug**(connect to BM54)

**D: 40 Pin Male Plug**(connect to car plug)

Image: Applicable BMW E46 models and important notes regarding radio harness compatibility and potential bracket modification.

**Coupon:** Save an extra money

**Extra Savings**

## Buy One Car Radio, Get GIFTS

Please Check the Amazon Page in Detail Before You Order the Eonon Car Stereo! Please Don't Buy the Wrong Product. If You Have Any Question, Please Contact Us! We Will Help You ASAP!



Image: The 5M Extension Harness A0590, designed for vehicles with Navigation or DSP systems.

### 4.2 Wiring Diagram

Refer to the following diagram for connecting the car stereo to your vehicle's electrical system and peripherals.





Image: Comprehensive wiring diagram for the Eonon Q50Pro, showing connections for power, speakers, camera, and other accessories.

### 4.3 Physical Installation Notes

- Ensure all cables are properly routed and not blocking the car stereo or other components.
- If the bracket inside the center console is blocking the car stereo, it may be necessary to cut off the protruding part of the bracket.
- Some users have reported needing to shave a small tab on the trim piece behind the screen for a flush fit.

### Compatible with BMW 3er 1999–2005 E46

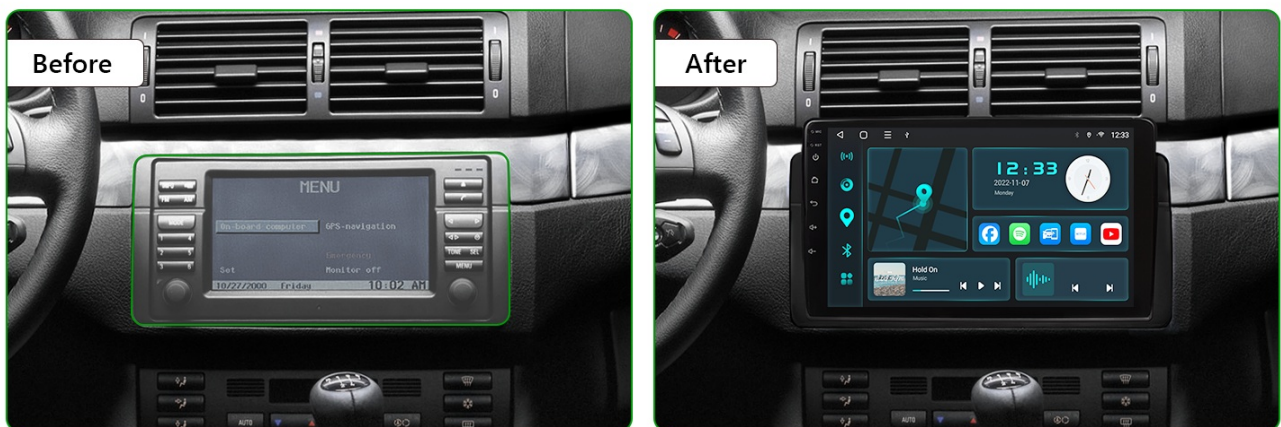


Image: Comparison showing the factory radio (left) and the Eonon Q50Pro installed (right) in a BMW E46 dashboard.



## 5. INITIAL SETUP

### 5.1 Power On

After successful installation, turn on your vehicle's ignition. The stereo should power on automatically. The initial boot-up may take approximately 20 seconds.

### 5.2 Network Connection

To access online features, connect the unit to a Wi-Fi network (e.g., your mobile hotspot). Go to **Settings > Network & Internet > Wi-Fi** and select your desired network.

### 5.3 Date and Time

The unit typically synchronizes date and time via GPS or network. If needed, adjust manually in **Settings > System > Date & Time**.

### 5.4 Bluetooth Pairing

To pair your phone via Bluetooth 5.0, go to **Settings > Connected devices > Pair new device** on the stereo. Enable Bluetooth on your phone and select the stereo from the list of available devices.



 **Bluetooth 5.0**

Image: Bluetooth 5.0 connectivity for audio streaming and hands-free calls.

## 6. OPERATING INSTRUCTIONS

### 6.1 Touch Screen Navigation

The 9-inch 2.5D touch screen allows for intuitive navigation. Tap icons to open applications, swipe to navigate menus, and use pinch-to-zoom for maps.

### 6.2 Apple CarPlay & Android Auto

Connect your iPhone or Android phone via USB or wirelessly to activate CarPlay or Android Auto. This allows access to navigation, music, calls, and messages directly from the stereo's display.



Image: Demonstrating both Wireless & Wired Apple CarPlay and Android Auto functionality.





Image: Apple CarPlay in action, illustrating voice command capabilities.



Image: Android Auto in action, illustrating Google Assistant voice command capabilities.

### 6.3 Audio Settings (DSP)

Utilize the built-in DSP to customize your audio experience. Access the 48-Band Equalizer, adjust sound field, enable surround sound, and boost bass through the audio settings menu.





Image: Interface for the Built-in DSP, allowing detailed sound adjustments.

## 6.4 Radio Operation

Select the Radio application to access AM/FM stations. Use the on-screen controls to scan for stations, save presets, and adjust settings.



Image: The AM/FM Radio interface with frequency display and controls.

## 6.5 Steering Wheel Control

The unit supports factory steering wheel controls for convenient operation of volume, track skipping, and call management. Configuration may be required in the settings menu.

**If you need extension harness for installation, please buy Eonon A0590**







**What's In the box?**

1  GPS Antenna *1	2  CAN Bus *1	3  Power Cable *1	 Audio Video Adapter Cable *1	5  Backup Camera Video Input Cable *1	6  USB Adapter Cable *1	7  CarPlay & Android Auto USB Adapter Cable *1
8  External Microphone *1	9  Radio Antenna Adapter Cable *1	10  Radio Antenna Adapter *1	11  10A Fuse *1	12  3M Adhesive Pad *1	13  User Manual *1	

Image: Interface for configuring steering wheel controls.

## 6.6 Rear Camera Display

If a compatible AHD rear camera (e.g., A0125) is installed, the display will automatically switch to the camera view when the vehicle is put into reverse gear.

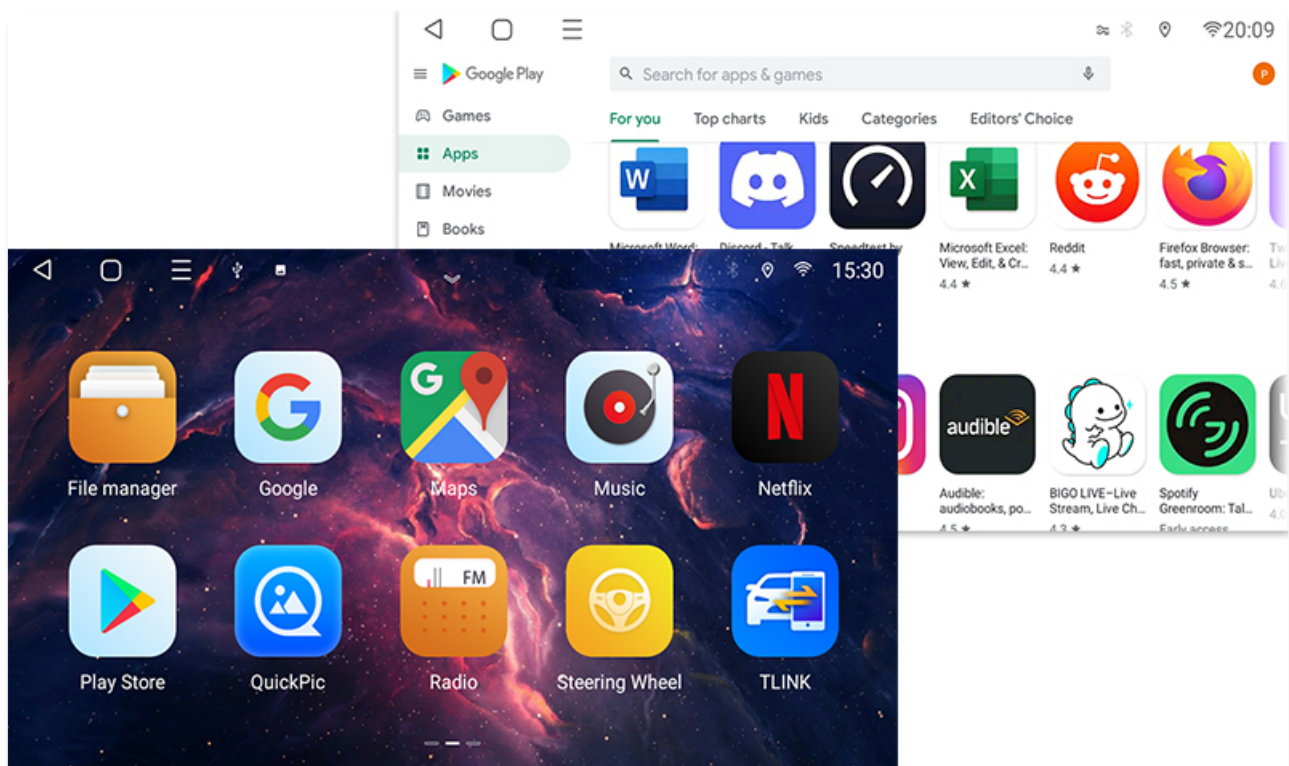
## Support AHD Rear Camera A0125



Image: Rear camera display with a 140-degree wide viewing angle and IP68 waterproof camera.

## 6.7 Android App Download

Access the Google Play Store to download and install various Android applications directly onto the unit, expanding its functionality.



## *Android APP Download*

Image: Google Play Store interface for downloading Android applications.

## 6.8 UI Themes

Customize the look and feel of your stereo's interface by selecting from various UI themes available in the settings or through online downloads.



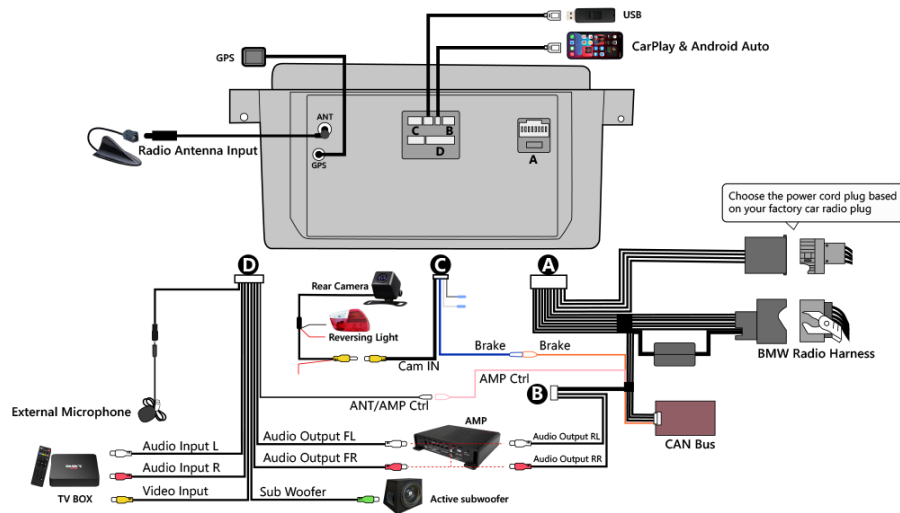


Image: Examples of different UI themes that can be applied to the stereo interface.

## 7. MAINTENANCE

### 7.1 Cleaning the Screen

Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.

### 7.2 Software Updates

Periodically check for software updates in the system settings to ensure optimal performance and access to new features. Connect to a stable Wi-Fi network before initiating updates.

### 7.3 Environmental Considerations

Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. These conditions can affect the unit's lifespan and performance.

## 8. TROUBLESHOOTING

If you encounter issues with your Eonon Q50Pro, refer to the following common problems and solutions:

- **Unit Does Not Power On:**

- Check all power connections and fuses.
- Ensure the vehicle's ignition is on.

- **Battery Drain Issue:**

- Some users have reported battery drain if the unit remains active after the car is off. Navigate to **Settings** and ensure the CarPlay/Android Auto sleep setting is configured to "no sleep" or to power off with the ignition. This ensures the unit fully shuts down when the car is off.

- **CarPlay/Android Auto Glitches or Disconnects:**
  - Ensure a stable USB connection (if wired) or Wi-Fi connection (if wireless).
  - Restart your smartphone and the car stereo.
  - Check for software updates for both the stereo and your phone's operating system.
  - If disconnecting when shifting to reverse, this is normal behavior for some systems to prioritize the camera feed. CarPlay/Android Auto should resume after shifting out of reverse.
- **Bluetooth Audio Issues:**
  - Ensure your phone is properly paired and selected as the audio output device.
  - Try unpairing and re-pairing the device.
  - Verify that the volume on both the stereo and your phone is turned up.
- **Apps Crashing/Freezing:**
  - Close and reopen the application.
  - Clear the app's cache in **Settings > Apps & notifications > [App Name] > Storage & cache**
  - Ensure sufficient free storage space on the unit.
- **Steering Wheel Controls Not Working:**
  - Verify that the CAN Bus decoder is correctly connected.
  - Check the steering wheel control settings in the stereo's menu for proper mapping.

For further assistance, please refer to the official Eonon support resources or contact their customer service.

## 9. SPECIFICATIONS

Feature	Specification
Product Dimensions	7.01 x 0.79 x 2.95 inches (17.8 x 2.0 x 7.5 cm)
Item Weight	5.15 pounds (2.34 kg)
Model Number	Q50UPRO-HK(3GB+32GB)
Brand	EONON
Connectivity Technology	USB, Bluetooth, Wi-Fi
Special Feature	Touchscreen, CarPlay, Android Auto, DSP
Compatible Devices	Smartphone
Connector Type	USB, 3.5mm Jack
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0

Feature	Specification
Video Encoding	RM
Output Power	48 Watts
Screen Diagonal	9 inches / 23 cm

## 10. WARRANTY AND SUPPORT



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

### Customer Support



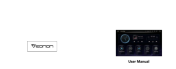

For technical assistance, troubleshooting, or any inquiries regarding your Eonon Q50Pro, please contact Eonon customer support through their official channels. You may also find additional resources, including PDF manuals, on their website.

- Official Eonon Store: [EONON Store on Amazon](#)
- User Manual (PDF): [Download PDF](#)
- Installation Manual (PDF): [Download PDF](#)

### Related Documents - Q50UPRO-HK(3GB+32GB)

	<p><a href="#">BMW E46 (1999-2004) Installation Manual for Eonon Head Unit</a></p> <p>Step-by-step installation guide for replacing the factory car stereo with an Eonon head unit in a BMW 3 Series E46 (1999-2004). Includes detailed instructions and visual descriptions.</p>
	<p><a href="#">Eonon VWA12S User Manual: Features, Installation, and Operation Guide</a></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><a href="#">BMW 3 Series E46 Installation Manual - Eonon Head Unit</a></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><a href="#">BMW 3 Series (E90/E91/E92/E93) 2005-2011 Eonon Head Unit Installation Manual</a></p> <p>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.</p>
	<p><a href="#">Eonon Android Car Stereo User Manual - Navigation, Bluetooth, Media, and More</a></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><a href="#">Eonon Q49PRO User Manual</a></p> <p>User manual for the Eonon Q49PRO car stereo, covering installation, features, settings, and troubleshooting.</p>