

## ieGeek K301

# ieGeek K301 Car Radio User Manual

Model: K301

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ieGeek K301 Car Radio. Please read this manual thoroughly before using the product to ensure proper function and safety.

### Key Features

- **FM/AM Stereo Radio with RDS:** Supports reception of FM/AM stereo radio and can store up to 30 radio stations. RDS functions provide automatic traffic announcements for enhanced road safety.
- **Bluetooth 5.0 Connectivity:** Offers stable and reliable Bluetooth connection for hands-free calls and music streaming from iOS/Android devices.
- **Media Playback:** Supports MP3/WMA/WAV audio formats via USB drive and micro SD card.
- **AUX-IN Input:** Front-facing AUX IN port for connecting external audio devices.
- **USB Charging:** Independent 5V-2A USB charging interface for quick mobile phone charging.
- **Clock Display:** Independent clock display window for easy time viewing.
- **Power-Off Memory:** Retains settings and last played station/track after power-off.
- **Enhanced Audio:** Integrated 4x55W amplification for clear audio. Features Extra Bass and customizable sound profiles.



Figure 1: ieGeek K301 Car Radio and Remote Control. This image displays the front panel of the ieGeek K301 car radio along with its remote control, highlighting the main unit's display, buttons, and ports.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x ieGeek K301 Car Radio
- 1x User Manual
- 1x Remote Control
- 2x Power Cables
- 2x Removal Keys

## 3. INSTALLATION

Proper installation is crucial for optimal performance. If you are unsure about any steps, consult a professional car audio installer.

### 3.1 Wiring Diagram

Refer to the following diagram for correct wiring connections. Ensure all connections are secure to prevent malfunctions.

## Wiring Diagram

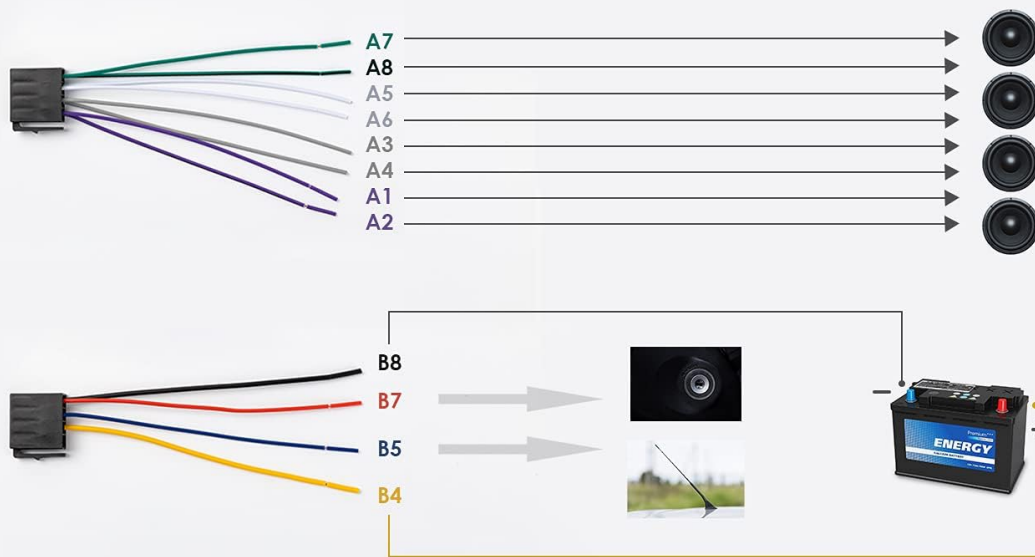


Figure 2: Wiring Diagram for ieGeek K301 Car Radio. This diagram illustrates the connections for speakers, power, and antenna, showing how to integrate the car radio into the vehicle's electrical system.

- **Power Connection:** Connect the yellow wire directly to the car battery's positive terminal (constant 12V) to ensure memory retention for settings and radio stations. The red wire should connect to the ignition switch (switched 12V). The black wire is for ground.
- **Speaker Connections:** Connect the speaker wires according to the diagram, ensuring correct polarity for each speaker.
- **Antenna Connection:** Connect your car's antenna cable to the radio. An adapter may be required for certain vehicle models.

### 3.2 Mounting the Unit

1. Insert the metal mounting sleeve into the dashboard opening. Bend the tabs to secure it.
2. Connect all necessary wiring harnesses to the rear of the car radio.
3. Carefully slide the car radio into the mounting sleeve until it clicks into place.
4. Use the provided removal keys to extract the unit if needed for future maintenance or replacement.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Controls



Figure 3: Front Panel Controls. This image highlights the buttons and display of the ieGeek K301 car radio, showing the volume knob, mode button, and preset buttons.

- **Power/Volume Knob (VOL):** Press to turn on/off. Rotate to adjust volume.
- **MODE Button:** Press to cycle through available modes (FM, AM, USB, SD, AUX, Bluetooth).
- **BAND/AMS Button:** In radio mode, press to switch between FM1/FM2/FM3/AM1/AM2 bands. Long press to automatically scan and store stations.
- **SEL/RDS Knob:** Press to access audio settings (Bass, Treble, Balance, Fader, EQ). Rotate to adjust values. Long press for RDS functions (if available).
- **Preset Buttons (1-6):** In radio mode, short press to select a stored station. Long press to store the current station.
- **Forward/Backward Buttons (◀▶):** In media playback, short press for previous/next track. Long press for fast rewind/forward. In radio mode, short press for manual tuning, long press for auto-seek.

## 4.2 Radio Operation (FM/AM/RDS)



Figure 4: In-Car Radio Display. This image shows the ieGeek K301 car radio installed in a vehicle, displaying an FM frequency and indicating FM/AM/RDS compatibility.

1. Press the **MODE** button until "FM" or "AM" is displayed.
2. Press **BAND/AMS** to select the desired frequency band (FM1, FM2, FM3, AM1, AM2).
3. Use the ◀◀▶▶ buttons to tune to a station. Long press for automatic station seeking.
4. To store a station, tune to the desired frequency, then long press one of the **Preset Buttons (1-6)** until the display flashes.
5. **RDS Function:** If available in your region, the radio will display station information. Long press the **SEL/RDS** knob to activate/deactivate RDS features like traffic announcements.

### 4.3 USB/SD Card Playback

1. Insert a USB drive into the USB port or an SD card into the SD card slot. The unit will automatically switch to USB/SD mode and begin playback.
2. If it does not switch automatically, press the **MODE** button to select "USB" or "SD".
3. Use the ◀◀▶▶ buttons to navigate tracks.
4. The 1▶▶ button can be used for play/pause.
5. The 3/RPT button can be used for repeat functions.

### 4.4 AUX-IN Connection



## AUX-IN

La porta AUX-IN vi permetterà di connettervi ai dispositivi audio disponibili. Alta fedeltà, bassa distorsione.

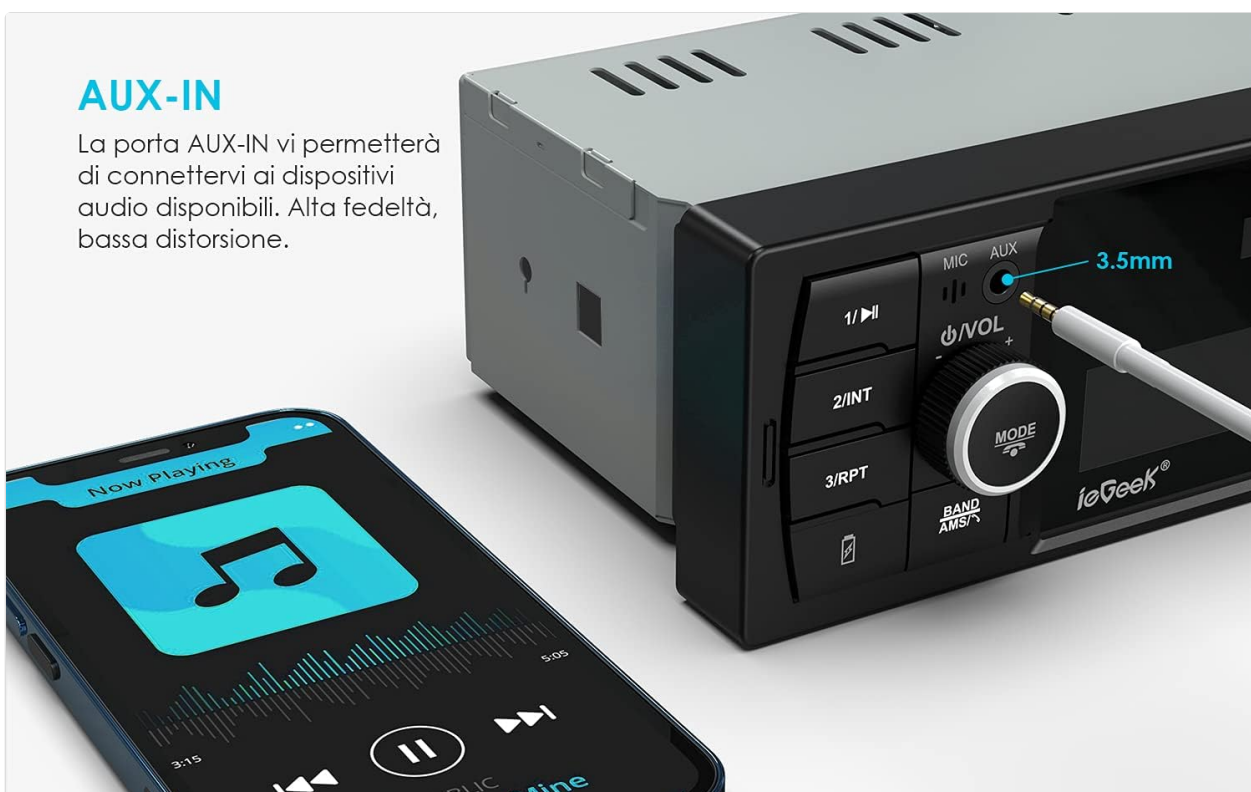


Figure 5: AUX-IN Port. This image shows the front-facing 3.5mm AUX-IN port on the ieGeek K301 car radio, with a smartphone connected for audio playback.

1. Connect your external audio device (e.g., smartphone, MP3 player) to the front **AUX IN** port using a 3.5mm audio cable.
2. Press the **MODE** button until "AUX" is displayed.
3. Control playback and volume from your external device.

## 4.5 Bluetooth Operation



## Bluetooth 5.0

Trasmissione Bluetooth stabile. Supporta le chiamate in vivavoce, la navigazione vocale e la narrazione di audiolibri. Supporta i formati audio MP3/WMA/WAV.

Figure 6: Bluetooth Hands-Free Calling. This image depicts the ieGeek K301 car radio in a vehicle, illustrating its use for hands-free communication via Bluetooth.

### 1. Pairing:

- Press the **MODE** button until "BT" (Bluetooth) is displayed.
- On your mobile device, enable Bluetooth and search for available devices.
- Select "K301" from the list. If prompted for a password, enter "0000".
- Once paired, the display will show "BT ON" or a similar confirmation.

### 2. Bluetooth Audio Streaming:

- After successful pairing, open your music player on your mobile device.
- Audio will stream through the car radio. Use the◀◀▶▶ buttons on the radio to control tracks.

### 3. Hands-Free Calling:

- When a call comes in, the radio will display the caller's number (if available).
- Press the **VOL** knob to answer a call. Press again to end a call.
- Use the built-in microphone for communication.

## 4.6 USB Charging

The dedicated USB port provides 5V-2A output for charging mobile devices. Simply connect your device using a compatible USB cable.

## 4.7 Clock Display and Setting

### Visualizza l'orologio sullo schermo.

Evitare le distrazioni guardando l'orologio da polso.



Figure 7: Clock Display and Dimensions. This image shows the independent clock display on the ieGeek K301 car radio, along with its physical dimensions.

The unit features an independent clock display. To set the time:

1. With the unit powered on, long press the **DISP** button (if available, or a combination with MODE/VOL). If no specific DISP button, the clock is usually set via the MODE button or a long press on the VOL knob in some modes.

2. Use the ◀◀▶▶ buttons or **VOL** knob to adjust hours and minutes.
3. Press the **VOL** knob again to confirm.

## 4.8 Remote Control



Figure 8: Remote Control. This image displays the remote control for the ieGeek K301 car radio, showing its various buttons for controlling playback, volume, and modes.

The included remote control allows for convenient operation of the car radio from a distance. Point the remote control towards the unit's IR receiver. Functions include power, mode selection, volume adjustment, track/station navigation, and preset selection.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the front panel. Do not use abrasive cleaners or solvents.
- **Fuse Replacement:** If the unit does not power on, check the 15A fuse located at the rear of the unit. Replace it with a fuse of the same rating if blown.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit has no power.	Blown fuse; incorrect power wiring.	Check and replace the 15A fuse. Verify power cable connections (red, yellow, black).
Settings/stations are lost after turning off the car.	Yellow (memory) wire not connected to constant 12V.	Ensure the yellow power cable is connected directly to a constant 12V source from the car battery.



Problem	Possible Cause	Solution
Poor radio reception.	Antenna not connected properly; weak signal area.	Check antenna connection. Ensure an antenna adapter is used if necessary. Try a different location.
Bluetooth connection issues.	Device not in pairing mode; incorrect pairing process.	Ensure the radio is in BT mode. Re-enable Bluetooth on your mobile device and re-attempt pairing.
Poor microphone quality during calls.	Background noise (e.g., AC fan); microphone interference.	Reduce background noise. Avoid placing mobile phone too close to the unit during calls.
Screen difficult to read in bright sunlight.	High ambient light; no contrast adjustment.	This is a characteristic of the display type. No user adjustment for contrast is available.
Caller ID shows number, not name.	Unit limitation.	The unit displays the caller's number only. Name display is not supported.

## 7. SPECIFICATIONS

Feature	Detail
Operating Voltage	9-30 V
Fuse	15A
Speaker Impedance	4Ω
Maximum Output Power	60 W (4x15W RMS)
FM Frequency Range	87.5 - 107.9 MHz
AM Frequency Range	522 - 1620 MHz
Connectivity	Bluetooth 5.0, USB Type A, AUX-IN, Micro SD
Total USB Ports	2 (1x Data/Media, 1x Charging)
Compatible Audio Formats	MP3, WMA, WAV
Compatible Devices	Speakers, Android, iOS devices
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Item Weight	772 Grams
Model Number	K301


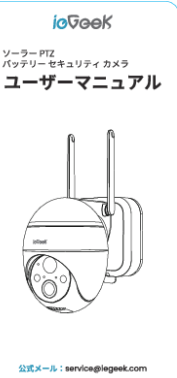
Feature	Detail
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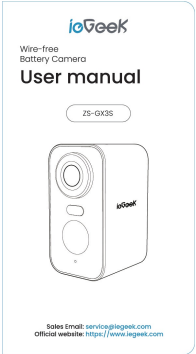
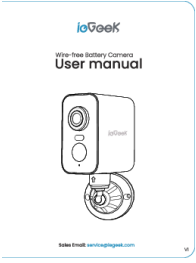


## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official ieGeek website. Keep your proof of purchase for warranty claims.

For further assistance, you may contact ieGeek customer service through their official channels. The brand store can be found [here](#).

### Related Documents - K301

	<p><a href="#">ieGeek K301 Car MP3 Player User Manual</a></p> <p>Comprehensive user manual for the ieGeek K301 Car MP3 Player, covering features, specifications, installation, operation, and troubleshooting. This guide provides detailed instructions for using the device's radio, media playback, Bluetooth connectivity, and more.</p>
	<p><a href="#">ieGeek PTZ</a></p> <p>ieGeek PTZ</p>

 <p>ieGeek Wire-free Battery Camera <b>User manual</b> ZS-GX3S</p> <p>Sales Email: <a href="mailto:sales@iegeek.com">sales@iegeek.com</a> Official website: <a href="https://www.iegeek.com">https://www.iegeek.com</a></p>	<p><a href="#">ieGeek ZS-GX3S Wire-free Battery Camera User Manual</a></p> <p>Comprehensive user manual for the ieGeek ZS-GX3S wire-free battery camera. Learn about camera introduction, app download and registration, Wi-Fi connection, and troubleshooting.</p>
 <p>ieGeek Wire-free Battery Camera <b>User manual</b></p> <p>Sales Email: <a href="mailto:sales@iegeek.com">sales@iegeek.com</a></p>	<p><a href="#">ieGeek S2 Wire-free Battery Camera User Manual - Setup and Operation Guide</a></p> <p>Comprehensive user manual for the ieGeek S2 wire-free battery camera. Includes setup instructions, app guide, installation tips, warranty information, and technical support details for optimal security camera performance.</p>
 <p>ieGeek 4G LTE CELLULAR WIRELESS SECURITY CAMERA <b>User manual</b> ZY-G2</p> <p>Sales Email: <a href="mailto:sales@iegeek.com">sales@iegeek.com</a></p>	<p><a href="#">ieGeek ZY-G2 4G LTE Cellular Wireless Security Camera User Manual</a></p> <p>Comprehensive user manual for the ieGeek ZY-G2 4G LTE Cellular Wireless Security Camera, covering setup, app usage, installation, troubleshooting, and specifications.</p>
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