

EinCar FBA.AG7024LWC.2+32-NZQ

# EinCar Double Din Car Stereo User Manual

Model: FBA.AG7024LWC.2+32-NZQ

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your EinCar Double Din Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The EinCar Double Din Car Stereo is a multimedia system designed for in-car entertainment and navigation. It features a 7-inch HD touch screen, Android 10.0 operating system, and supports various functions including Bluetooth, CarPlay, Android Auto, GPS navigation, FM/AM radio, and multimedia playback.

## 2. PRODUCT OVERVIEW

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The EinCar Double Din Car Stereo offers a complete multimedia experience with its advanced features and user-friendly interface.



Figure 2.1: Front view of the EinCar Double Din Car Stereo displaying CarPlay and Android Auto connectivity.

## Key Features:

- **7-Inch HD Touch Screen:** High-definition display (1024x600) for clear visuals.
- **Android 10.0 System:** Provides a stable and feature-rich operating environment.
- **CarPlay & Android Auto:** Seamless integration with compatible smartphones for navigation, communication, and entertainment.
- **Bluetooth Connectivity:** Supports hands-free calling and audio streaming.
- **GPS Navigation:** Built-in offline maps and support for online navigation apps.
- **FM/AM/RDS Radio:** Access to various radio stations with automatic and semi-automatic tuning.
- **Multimedia Playback:** Supports multiple audio and video formats via USB and AUX-in.
- **Rear Camera Input:** Automatic display switch when reversing.
- **Steering Wheel Control:** Compatibility with existing steering wheel controls for convenience.
- **Built-in EQ:** Customizable audio settings for an enhanced listening experience.



# Android 10.0 System

7-inch High Definition Touch Screen  
Multifunctional playback



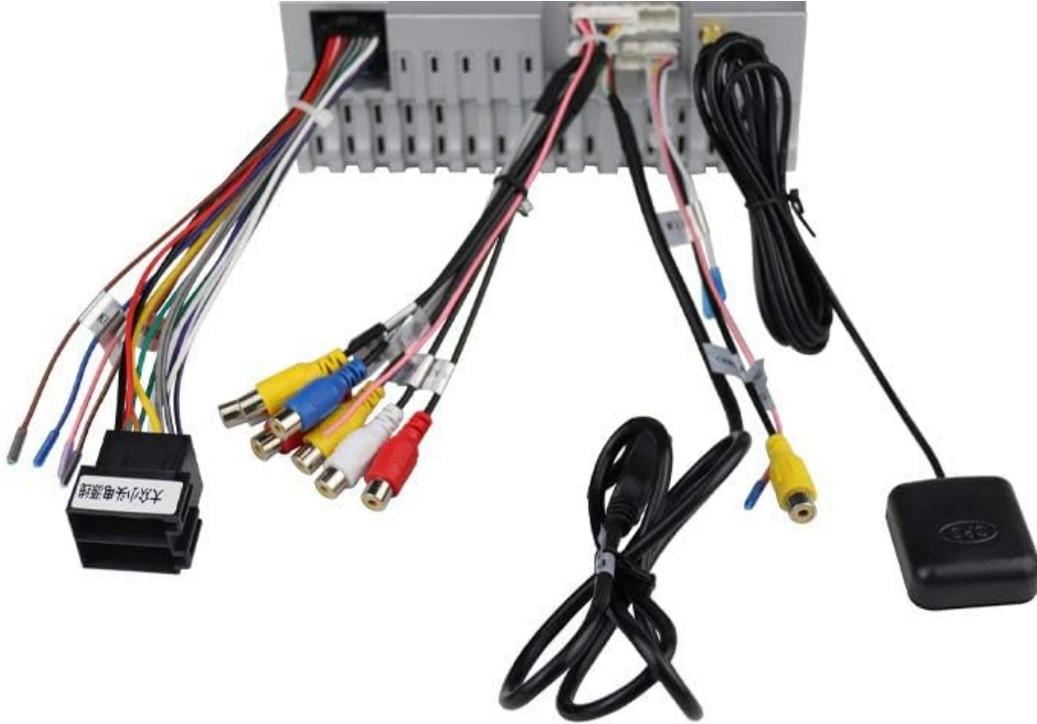
Figure 2.2: Overview of the Android 10.0 system interface with icons for navigation, radio, music, Bluetooth, video, and other functions.

### 3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer.

- 1 x EinCar Double Din Car Stereo
- 1 x Power Cable
- 2 x AV Cables

- 2 x USB Cables
- 1 x GPS Antenna
- 2 x Installation Brackets (with 8 x Screws)
- 1 x Installation Frame
- 1 x External Microphone
- 1 x User Manual (English)



1. External microphone input
2. RCA-R (red): Connect the right input channel of external amplifier
3. RCA-L (white): Connect the left input channel of external amplifier
4. SUB-WOOFER (blue): Connect the input subwoofer channel of external amplifier
5. VIDEO OUT (yellow): Connect the video input to the external display, like headrest car monitor
6. AUX Video in (yellow): Video input, Display external input video, like play video of the TV box
7. AUX IN L (white): Left audio input, playing the external audio on the left speaker
8. AUX IN R (red): Right audio input, playing the external audio on the right speaker
9. Amplifier control



1. Parking: Connecting to the signal line of the brake cable. After it is connected, the video can only be watched after parking. (Ground this wire to cancel this restriction)
2. CAMER(yellow): Rear view camera in, Connect the video signal of the reversing camera
3. WiFi antenna: If this line is not connected, the wifi signal will be weak
4. Bluetooth antenna: If this line is not connected, the connected Bluetooth phone may be disconnected automatically



Small head power cord



USB adapter 1



RCA cable



Video cable



GPS Antenna



External microphone



user's manual

90mm / 3.54in

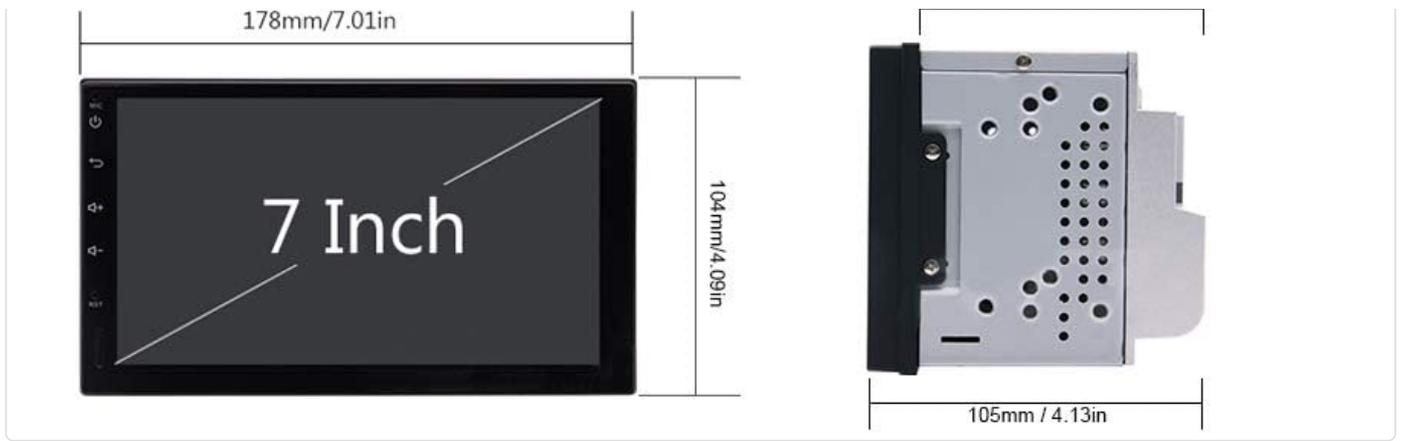


Figure 3.1: Illustration of the various cables and accessories included with the car stereo, along with a wiring diagram and product dimensions.

## 4. SETUP AND INSTALLATION

Installation of this car stereo requires technical knowledge. It is recommended to have it installed by a qualified professional. Incorrect installation may cause damage to the device or your vehicle.

### 4.1 Safety Precautions

- Disconnect the vehicle's battery negative terminal before starting installation.
- Ensure all wiring is correctly connected to prevent short circuits or damage.
- Do not install the unit where it obstructs the driver's view or interferes with vehicle operation.
- Refer to your vehicle's service manual for specific dashboard removal and wiring instructions.

### 4.2 Wiring Diagram Overview

The following points describe the main connections for the car stereo. Refer to the detailed wiring diagram provided in Figure 3.1 for visual guidance.

1. **External Microphone Input:** Connect the external microphone for improved call quality.
2. **RCA-R (Red):** Connect the right input channel of an external amplifier.
3. **RCA-L (White):** Connect the left input channel of an external amplifier.
4. **SUB-WOOFER (Blue):** Connect the input subwoofer channel of an external amplifier.
5. **VIDEO OUT (Yellow):** Connect the video input to an external display, such as a headrest car monitor.
6. **AUX VIDEO IN (Yellow):** Video input, display external input video.
7. **AUX IN L (White):** Left audio input, playing the external audio on the left speaker.
8. **AUX IN R (Red):** Right audio input, playing the external audio on the right speaker.
9. **Amplifier Control:** For controlling external amplifiers.

#### Additional Connections:

- **Parking Brake Wire:** Connect to the signal line of the brake cable. The video playback function is restricted when the parking brake is not engaged for safety.
- **Reverse Camera (CAMER):** Connect the video signal of the reversing camera. The unit will automatically switch to the camera view when reversing.
- **WiFi Antenna:** Ensure this line is connected for optimal WiFi signal reception.
- **Bluetooth Antenna:** Ensure this line is connected. If disconnected, the Bluetooth phone may automatically disconnect.

### 4.3 Physical Installation

1. Carefully remove the existing car stereo or dashboard trim according to your vehicle's manual.
2. Connect the power cable, speaker wires, and other necessary cables to the corresponding ports on the EinCar stereo.
3. Attach the GPS antenna and external microphone, routing their cables appropriately.
4. Secure the EinCar stereo into the dashboard using the provided installation brackets and screws.
5. Reassemble the dashboard trim.
6. Reconnect the vehicle's battery negative terminal.
7. Test all functions before finalizing the installation.

## 5. OPERATING INSTRUCTIONS

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This section details the operation of the EinCar Double Din Car Stereo's various functions.

### 5.1 Basic Operation

- **Power On/Off:** The unit typically powers on with the vehicle's ignition. A power button may also be present on the front panel.
- **Volume Control:** Adjust volume using the on-screen controls or steering wheel controls (if configured).
- **Touch Screen:** Navigate the interface by tapping, swiping, and dragging on the 7-inch touch screen.
- **Reset Button:** A small reset button (RST) is usually located on the front panel. Use a thin object (e.g., a paperclip) to press it if the system becomes unresponsive.

# USER INTERFACE

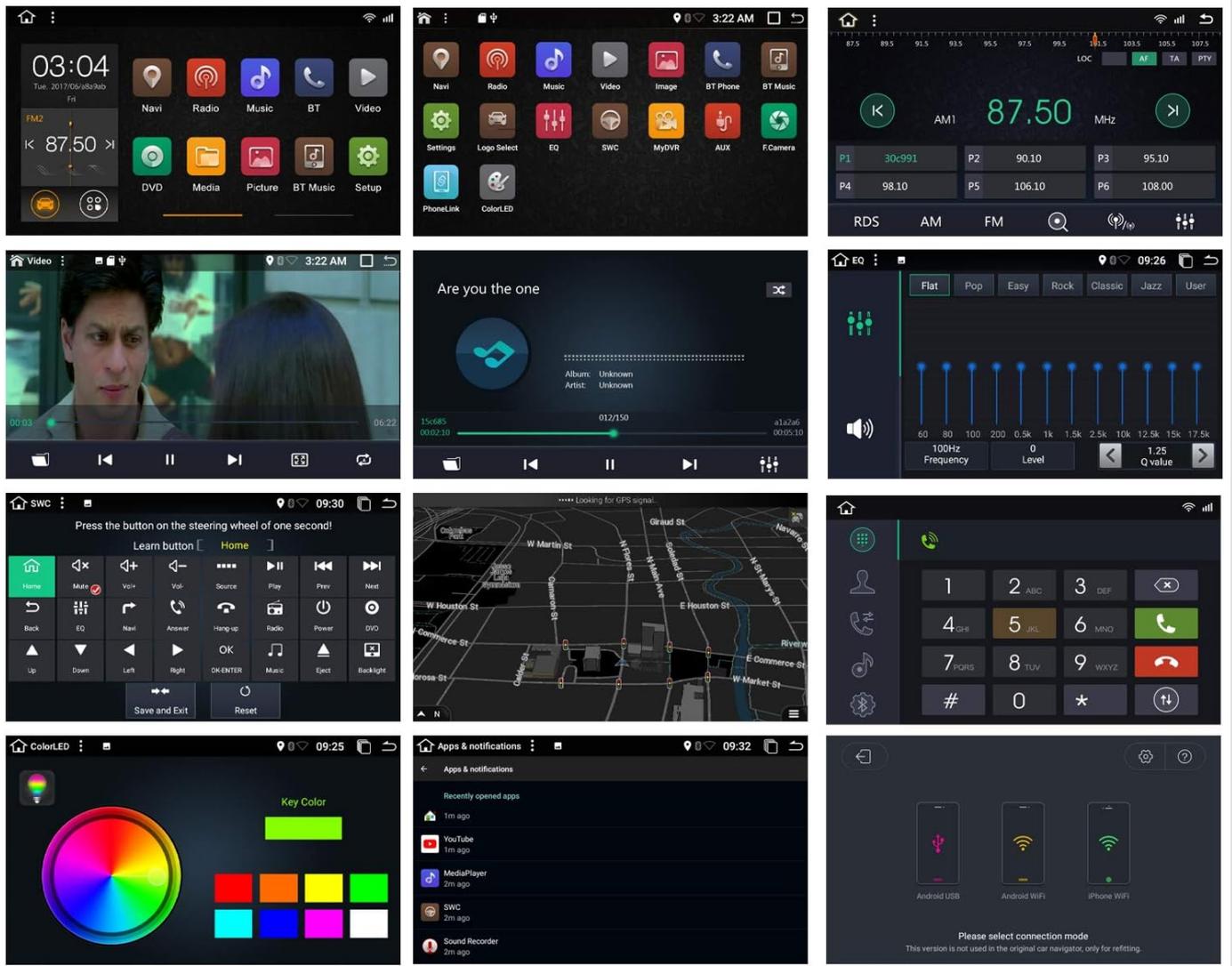


Figure 5.1: Examples of different user interface screens, including home screen, music player, equalizer, radio, phone dialer, and settings.

## 5.2 CarPlay and Android Auto

The stereo supports wired CarPlay and Android Auto for seamless smartphone integration.

1. Connect your compatible iPhone (for CarPlay) or Android phone (for Android Auto) to the stereo's USB port using a high-quality USB cable.
2. The system will automatically detect the connection and prompt you to launch CarPlay or Android Auto.
3. Follow the on-screen instructions to complete the setup.
4. Once connected, you can access navigation, make calls, send messages, and play music directly from your phone's interface displayed on the stereo screen.

## Carplay

CarPlay gives iPhone users an incredibly intuitive way to make calls, use Maps, listen to music, and access messages with just a word or a touch.



## Support Bluetooth

The Car stereo comes with built-in Bluetooth and phonebook function, to this unit and then make hands-free mobile phone operation conveniently and quickly. You can also enjoy wireless music playback your Bluetooth device.



Figure 5.2: Demonstration of CarPlay interface on the stereo screen and a user interacting with a smartphone for Bluetooth functions.

### 5.3 Bluetooth Functionality

Pair your smartphone with the stereo for hands-free calling and audio streaming.

1. Go to the "Bluetooth" menu on the stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select "EinCar" (or similar device name) from the list on your phone.
4. Confirm the pairing code on both devices if prompted.
5. Once paired, you can make/receive calls, access your phonebook, and stream music wirelessly.

## 5.4 FM/AM/RDS Radio

Access and tune into radio stations.

1. Select the "Radio" icon from the main menu.
2. Use the on-screen controls to perform automatic or semi-automatic station searches.
3. Save your favorite stations as presets for quick access.
4. The RDS (Radio Data System) function displays station information where available.



Figure 5.3: Display of the radio tuning interface and the graphic equalizer for audio adjustments.

## 5.5 GPS Navigation

Utilize the built-in GPS for navigation.

1. Select the "Navi" or "GPS" icon from the main menu.
2. The system comes with pre-installed offline maps.
3. You can also connect to Wi-Fi and use online navigation applications like Google Maps.
4. Enter your destination, and the system will provide voice-guided directions.

## The Newest Android 10.0 Operation System

Android 10.0 Q OS, the newest Android system with enhanced fluency, compatibility and privacy. You can install as much as apps without worrying, enjoy faster startup speeds,quickest response and smoothest user experience. No lags anymore.



**CPU Quad Core**

**RAM 2GB**

**ROM 32GB**

### GPS function

Support internal and external map, download online GPS App or get offline mapsourse to use satellite navigation.



Figure 5.4: Details of the Android 10.0 operating system and a visual representation of the GPS function with location pins on a world map.

## 5.6 Mirror Link Function

Mirror your smartphone screen onto the stereo display.

1. Select the "Mirror Link" or "PhoneLink" icon.
2. Follow the on-screen instructions to connect your Android or iOS device. This typically involves connecting via USB or Wi-Fi and installing a specific app on your phone.
3. Once connected, your phone's screen will be mirrored on the stereo, allowing you to control your phone's apps from the stereo's touch screen.

## 5.7 Reverse Camera Input

When a reverse camera is connected and properly installed, the stereo will automatically display the camera feed when the vehicle is shifted into reverse gear.

### Radio function

High quality digital stereo FM/ AM tuner(RDS),can automatic/semi- automatic exactsearch radio station, hearing the news, music,

**FM Frequency Range:** 87.5-108MHz; 0.05MHz(EU)/0.1MHz(US)  
**AM Frequency Range:** 522-1620KHz; 9KHz(EU)/10KHz(US)

**EQ** | You can debug different styles of music. Support pop, classic, rock, jazz, loud, customized.



### Support Reverse Camera

Support rear camera input, automatically switch to camera view when reversing the car.



Figure 5.5: Example of the reverse camera display on the stereo screen, showing parking guidelines.

## 5.8 Multimedia Playback

Play audio and video files from various sources.

- **USB:** Insert a USB drive into the designated USB port. The system will detect the media and allow you to browse and play files.
- **AUX-in:** Connect external audio devices using the AUX-in ports.
- **Supported Formats:** The unit supports multi-format audio and video recording and playback.

## 5.9 System Settings

Access the settings menu to customize various aspects of the stereo.

- **Display Settings:** Adjust brightness, wallpaper, and screen timeout.
- **Audio Settings:** Customize equalizer presets, balance, and fader.
- **General Settings:** Set language, date, time, and other system preferences.
- **Steering Wheel Control:** Configure the stereo to work with your vehicle's steering wheel controls.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your EinCar Double Din Car Stereo.

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen cleaner designed for electronics. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit's exterior clean by wiping it with a dry, soft cloth.
- **Software Updates:** Periodically check for software updates from the manufacturer's website or through the device's settings (if available) to ensure optimal performance and access to new features.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Cable Connections:** Ensure all cables are securely connected. Loose connections can lead to intermittent issues.

## 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
No power/Unit does not turn on.	<ul style="list-style-type: none"><li>• Loose power connection.</li><li>• Blown fuse.</li><li>• Vehicle ignition off.</li></ul>	<ul style="list-style-type: none"><li>• Check power cable connections.</li><li>• Inspect and replace fuses if necessary.</li><li>• Ensure vehicle ignition is on.</li></ul>
No sound.	<ul style="list-style-type: none"><li>• Volume too low or muted.</li><li>• Incorrect audio source selected.</li><li>• Loose speaker connections.</li></ul>	<ul style="list-style-type: none"><li>• Increase volume, check mute status.</li><li>• Select the correct audio input (e.g., Radio, USB, Bluetooth).</li><li>• Verify speaker wiring.</li></ul>
Bluetooth not connecting.	<ul style="list-style-type: none"><li>• Bluetooth not enabled on phone/stereo.</li><li>• Incorrect pairing process.</li><li>• Interference.</li></ul>	<ul style="list-style-type: none"><li>• Ensure Bluetooth is active on both devices.</li><li>• Delete previous pairings and re-pair.</li><li>• Ensure Bluetooth antenna is connected.</li></ul>

Problem	Possible Cause	Solution
GPS signal weak or inaccurate.	<ul style="list-style-type: none"> <li>• GPS antenna obstructed or disconnected.</li> <li>• Poor satellite reception (e.g., in tunnels, dense urban areas).</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure GPS antenna is properly installed and has a clear view of the sky.</li> <li>• Check antenna connection.</li> </ul>
Touch screen unresponsive.	<ul style="list-style-type: none"> <li>• System freeze.</li> </ul>	<ul style="list-style-type: none"> <li>• Press the RST (Reset) button with a thin object.</li> </ul>

## 8. SPECIFICATIONS

Feature	Detail
Brand	EinCar
Model	FBA.AG7024LWC.2+32-NZQ
Operating System	Android 10.0
CPU	Allwinner T3 1.5GHz Cortex A7 Quad Core
RAM	2GB
ROM (Flash Storage)	32GB
Screen Size	7 Inches (17.8 cm)
Display Type	LCD Touchscreen
Display Resolution	1024 x 600
FM Frequency Range	87.5-108MHz (0.1MHz US)
AM Frequency Range	522-1620KHz (10KHz US)
Operating Voltage	10.8V-14.4V
Output Wattage	45 Watts
Connectivity	Bluetooth, Wi-Fi, USB, AUX-in, GPS
Special Features	CarPlay, Android Auto, Mirror Link, GPS Navigation, Rear Camera Input, Steering Wheel Control, Built-in Microphone, EQ
Product Dimensions	17.8 x 10.4 x 10.5 cm
Item Weight	1.37 kg

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact EinCar customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance, please visit the official EinCar website or contact their support channels.

