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EWLSAC Android 13.0 Double Din Car Stereo

User Manual

CAR RADIO FOR TOYOTA YARIS 2012-2017

Brand: EWLSAC | Model: Android 13.0 Double Din Car Stereo

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your new EWLSAC Car Radio for Toyota Yaris 2012-2017. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

2. Safety Information

- Always ensure the vehicle is parked safely and the engine is off before performing any installation or wiring.
- Incorrect wiring can cause damage to the unit or the vehicle's electrical system. If unsure, seek professional assistance.
- Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only specified accessories and parts.

3. Package Contents

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

- 1 x Car Radio Head Unit
- 1 x Power Cable
- 2 x USB Cable

- 1 x Camera Input Cable
- 1 x GPS Antenna
- 1 x USB Adapter
- 1 x User Manual (this document)
- 1 x Canbus Box (if applicable for your vehicle model)
- 1 x AHD Camera
- 1 x Microphone
- 1 x RCA Input/Output Cable Set



Figure 3.1: Included components of the EWLSAC Car Radio system.

4. Product Features

Your EWLSAC Car Radio is equipped with advanced features designed to enhance your driving experience:

- **Powerful Processor:** Runs on the latest Android 13 system with 2GB RAM and 32GB ROM for smooth operation and ample storage.
- **High-Resolution Display:** Features a 9-inch 1024*600 IPS 2.5D touch screen supporting 1080P video

playback.

- **Wireless Connectivity:** Supports Wireless CarPlay, Android Auto, and Mirror Link for seamless smartphone integration.
- **Integrated Navigation:** Built-in GPS with support for both online and offline maps.
- **WiFi Connectivity:** Allows internet access for app downloads and online services.
- **Superior Audio:** HiFi function for high-fidelity sound reproduction.
- **Bluetooth Functionality:** Hands-free calling, music streaming, and contact synchronization.
- **FM Radio:** 18 preset stations for news, traffic, and entertainment.
- **AHD Backup Camera:** IP68 waterproof, 170-degree wide-angle, night vision camera for safer reversing.
- **Steering Wheel Control (SWC):** Compatible with original steering wheel controls for convenient operation.
- **Split Screen Maps Function:** Use two applications simultaneously on the screen.



Figure 4.1: High-definition IPS Touch Screen details.



Figure 4.2: Wireless Carplay, Android Auto, and Mirror Link capabilities.



Figure 4.3: GPS Navigation features.

5. Installation Guide

This section provides general guidance for installing the car radio. Due to variations in vehicle models and trim levels, some steps may differ. Professional installation is recommended.

5.1. Compatibility

This car radio is designed for Toyota Yaris models from 2012 to 2017.

5.2. Pre-Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Remove Old Head Unit:** Carefully remove the existing car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions on trim removal.
3. **Inspect Wiring:** Examine the vehicle's existing wiring harness.

5.3. Wiring Connections

Connect the provided wiring harnesses to the car radio and the vehicle's corresponding connectors. Ensure all connections are secure.

- **Power Cable:** Connect the main power harness.
- **USB Cables:** Connect the USB extension cables for external devices.
- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky (e.g., dashboard corner) and connect it to the unit.
- **Camera Input:** Connect the backup camera input cable.
- **AHD Camera:** Install the AHD backup camera at the rear of the vehicle and route its cable to the head unit. Connect the camera's power to the reversing light circuit and the video signal to the camera input.
- **RCA Cables:** Connect any external amplifiers, subwoofers, or auxiliary input/output devices using the RCA cables.
- **Canbus Box:** If your vehicle requires a Canbus decoder for steering wheel controls or other vehicle data, connect the provided Canbus box according to the diagram.



Figure 5.1: Backup Camera Wiring Connection Diagram.

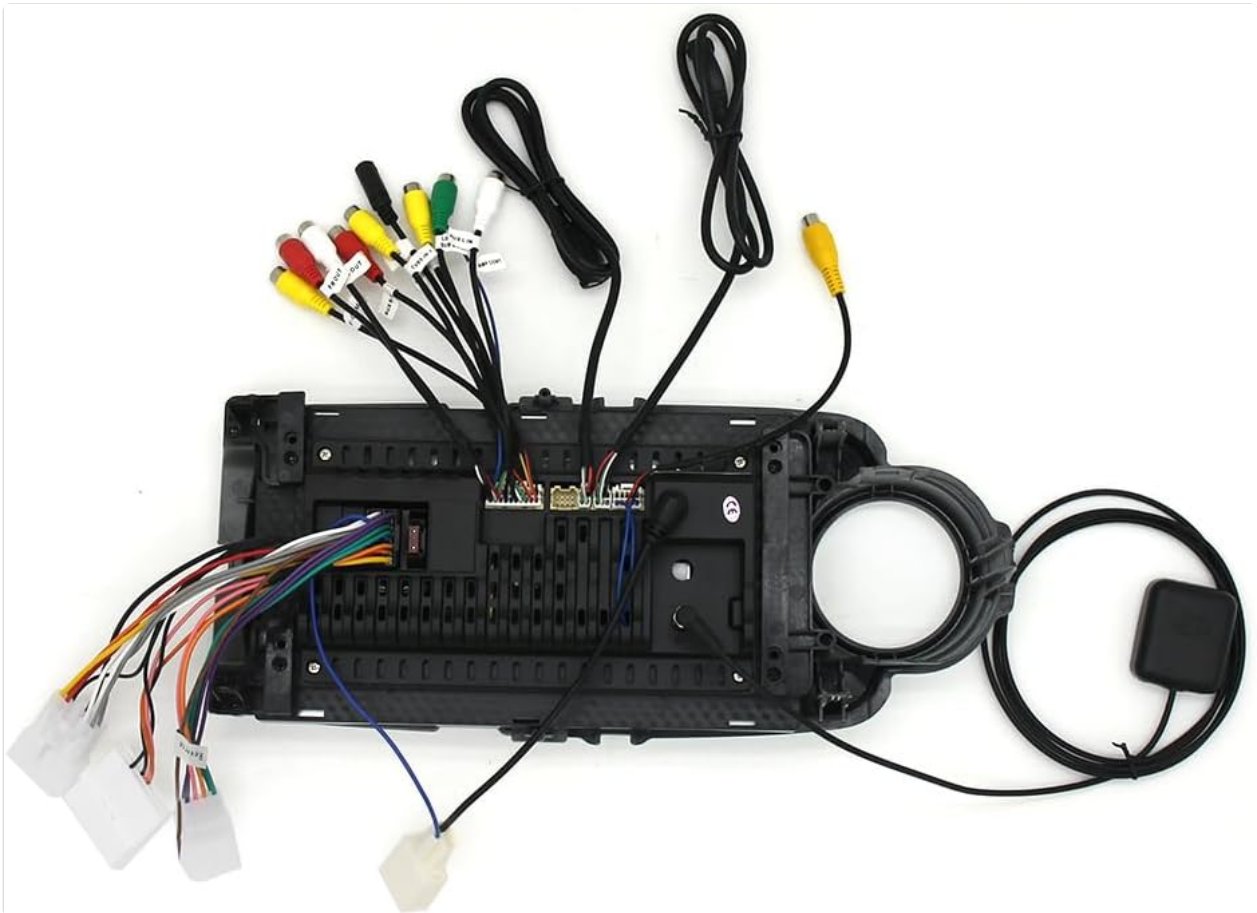


Figure 5.2: Rear view of the head unit with connected wiring.

5.4. Mounting the Head Unit

1. Carefully slide the new head unit into the dashboard opening.
2. Secure the unit using the appropriate mounting brackets and screws.
3. Reinstall the dashboard trim pieces, ensuring they snap securely into place.
4. Reconnect the vehicle's battery negative terminal.



Figure 5.3: Before and After installation in a Toyota Yaris dashboard.

6. Operating Instructions

6.1. Power On/Off and Basic Interface

To power on the unit, start your vehicle. The unit will typically boot automatically. To power off, turn off your vehicle's ignition. The main interface provides access to various applications and settings.

6.2. Wireless CarPlay / Android Auto Connection

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car radio, open the CarPlay or Android Auto application.
3. Search for the car radio's Bluetooth name on your phone and pair.
4. Confirm the pairing on both devices. CarPlay or Android Auto should launch automatically.
5. For Mirror Link, follow the on-screen instructions within the Mirror Link application on the head unit.

6.3. GPS Navigation Usage

The unit comes with a pre-installed GPS navigation app. You can use it for both online and offline navigation.

- **Online Maps:** Connect to Wi-Fi or a mobile hotspot to access real-time traffic and updated map data.
- **Offline Maps:** Download map data for your desired regions in advance via Wi-Fi to use navigation without an internet connection.

6.4. WiFi Setup

1. Go to the 'Settings' menu on the car radio.
2. Select 'Network & Internet' or 'Wi-Fi'.
3. Turn on Wi-Fi and select your desired network from the list.
4. Enter the password if prompted and connect.



Figure 6.1: WiFi Connection interface.

6.5. Bluetooth Pairing and Functions

1. Enable Bluetooth on your smartphone.
2. On the car radio, open the 'Bluetooth' application.
3. Search for available devices on your phone or the car radio.
4. Select the car radio's Bluetooth name (usually found in the stereo settings) and pair.
5. Once paired, you can make/receive calls, stream music, and synchronize contacts.

6.6. FM Radio Operation

Open the 'FM Radio' application. You can scan for stations automatically or manually tune to a specific frequency. Save your favorite stations to the preset slots.

6.7. Backup Camera Display

When the vehicle is shifted into reverse gear, the car radio will automatically display the feed from the connected AHD backup camera, providing a wide-angle view with parking guidelines.

6.8. Steering Wheel Control (SWC) Configuration

1. Go to 'Settings' on the car radio.
2. Find the 'Steering Wheel Control' or 'SWC Learning' section.
3. Follow the on-screen instructions to program each button on your steering wheel to the desired function on the car radio (e.g., volume up/down, track skip, answer call).



Figure 6.2: Steering Wheel Control functionality.

6.9. Split Screen Functionality

To use the split-screen feature, open an application, then drag another compatible application from the recent apps list to one side of the screen. This allows you to view and interact with two apps simultaneously, for example, navigation and music.

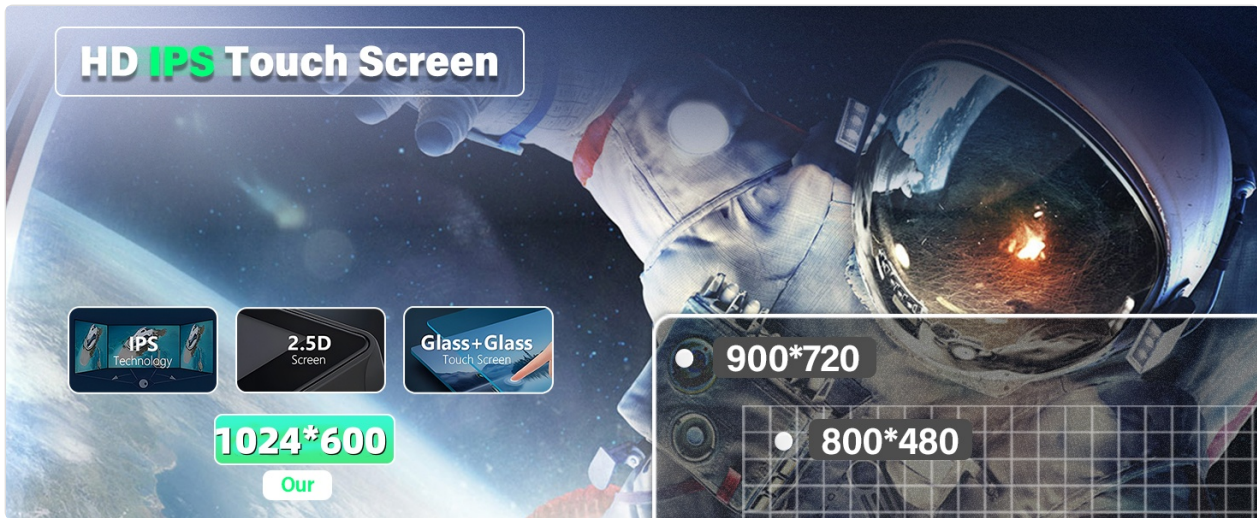


Figure 6.3: Split Screen Function in action.

7. Maintenance

- **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-cleaning solution. Avoid harsh chemicals.
- **Software Updates:** Periodically check for software updates through the unit's settings or the manufacturer's website to ensure optimal performance and access to new features.
- **Avoid Extreme Conditions:** Protect the unit from direct sunlight for extended periods and extreme temperatures to prolong its lifespan.

8. Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring; Blown fuse; Vehicle battery issue	Check power connections; Inspect vehicle fuses; Verify battery charge.
No sound	Volume too low; Mute activated; Speaker wiring issue	Increase volume; Check mute setting; Verify speaker connections.
Bluetooth not connecting	Bluetooth off on phone/unit; Pairing issue	Ensure Bluetooth is enabled; Delete previous pairings and re-pair.
GPS signal weak/lost	GPS antenna obstructed/disconnected	Ensure GPS antenna has a clear view of the sky; Check antenna connection.
Backup camera not displaying	Camera wiring issue; Reverse trigger not connected	Check camera power and video connections; Ensure reverse trigger wire is correctly connected.
Steering Wheel Controls not working	SWC not configured; Canbus issue	Perform SWC learning/configuration; Check Canbus box connection.

9. Specifications

Feature	Detail
Operating System	Android 13
RAM	2GB
ROM	32GB
Screen Size	9 Inches
Display Resolution	1024*600 IPS
Video Playback	1080P Support
Connectivity	Wireless Carplay, Android Auto, Mirror Link, GPS, WiFi, Bluetooth, FM Radio
Backup Camera	AHD, IP68 Waterproof, 170° Wide Angle, Night Vision
Audio Output Mode	Digital, HiFi Function
Mounting Type	Dashboard Mount
Item Weight	3.74 pounds
Package Dimensions	14 x 8.2 x 5 inches

10. Warranty and Support

This EWLSAC Car Radio comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact EWLSAC customer service through the retailer where you purchased the product or visit the official EWLSAC website for contact information.
