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> [TUIFAC RC09 Portable CarPlay Screen with 3-Channel Dash Cam User Manual](#)

## TUIFAC RC09

# TUIFAC RC09 Portable CarPlay Screen with 3-Channel Dash Cam User Manual

Model: RC09

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TUIFAC RC09 Portable CarPlay Screen. This device integrates a 10.26-inch display with wireless Apple CarPlay and Android Auto capabilities, alongside a comprehensive 3-channel dash camera system. Please read this manual thoroughly before use to ensure proper functionality and safety.



**Image 1.1:** Overview of the TUIFAC RC09 Portable CarPlay Screen and its included accessories, showcasing the main display unit, front camera, rear camera, car charger, and various mounting options.

## 2. PACKAGE CONTENTS

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

- 10.26-inch Touchscreen Display with Integrated Front and Cabin Cameras
- 32GB SD Card
- Car Charger with Extra USB Port
- Suction Bracket
- Vertical Bracket
- Rear Camera with Fixed Set (including mounting hardware)
- 3M Sticker Mount
- Suction Cup Fixed Disk
- Crowbar (for cable routing)
- Wire Buckles (x4)
- Audio Cable (AUX)
- User Manual (this document)

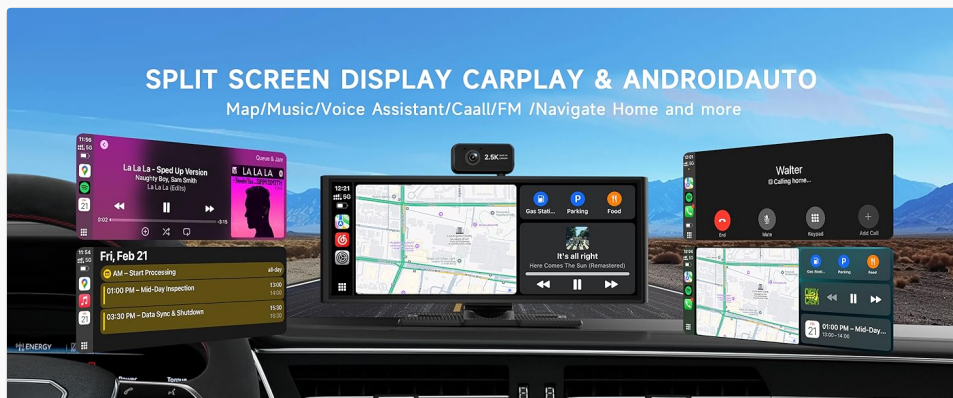


Image 2.1: Visual representation of all components included in the TUIFAC RC09 product package.

## 3. SETUP AND INSTALLATION

Follow these steps to install your TUIFAC RC09 unit in your vehicle.

### 3.1 Mounting the Display Unit

The TUIFAC RC09 offers two primary mounting options:

- **Suction Cup Mount:** Attach the suction cup bracket to a clean, smooth surface on your dashboard or windshield. Ensure the lever is pressed down to create a secure vacuum seal.
- **Vertical Bracket:** Use the vertical bracket for a more permanent installation, typically on the dashboard. Secure it using the provided adhesive.

Adjust the angle of the display for optimal viewing without obstructing your driving view.



**Image 3.1:** Illustration of the flexible mounting options, including the suction cup and vertical bracket, allowing for various display positions.

### 3.2 Connecting Power and Cameras

1. Insert the 32GB SD card into the designated slot on the main unit.
2. Connect the car charger to the main unit and plug it into your vehicle's cigarette lighter socket.
3. Connect the rear camera cable to the main unit. Route the cable discreetly to the rear of your vehicle and mount the rear camera securely.
4. Use the provided crowbar and wire buckles to neatly route all cables, ensuring they do not interfere with vehicle operation.

## 4. OPERATING INSTRUCTIONS

### 4.1 Wireless CarPlay and Android Auto

The TUIFAC RC09 supports wireless Apple CarPlay and Android Auto for seamless smartphone integration.

1. Ensure Bluetooth is enabled on your smartphone.
2. On the RC09 screen, navigate to the CarPlay or Android Auto icon and select it.
3. Follow the on-screen prompts to pair your phone via Bluetooth. The unit will then establish a Wi-Fi connection for data transfer.
4. Once connected, your phone's compatible apps (navigation, music, messaging) will appear on the RC09 display.

The unit also supports AirPlay and Mirror Link for screen mirroring.



**Image 4.1:** Display showing the various wireless connectivity options, including Apple CarPlay, Android Auto, and Mirror Link, along with Bluetooth 5.2 and 5GHz Wi-Fi.

## 4.2 3-Channel Dash Camera System

The integrated dash cam system provides comprehensive recording with three cameras:

- **Front Camera:** 3K WQHD (2880×1620 at 30fps) with a 170° wide angle.
- **Cabin Camera:** Full HD 1080P (at 30fps) with a 160° wide angle, featuring IR LEDs for night vision.
- **Rear Camera:** Full HD 1080P (at 30fps) with a 160° wide angle.

Key features include:

- **Super Night Vision:** F/1.8 aperture and 6-layer optical lens for clear recordings in low-light conditions. The cabin camera automatically switches to black-and-white imaging in darkness.
- **Wide Dynamic Range (WDR):** Balances exposure in bright and dark areas for improved image clarity.
- **Loop Recording:** Automatically overwrites the oldest files when the SD card is full, ensuring continuous recording.
- **Built-in Gravity Sensor (G-Sensor):** Detects sudden impacts or collisions and automatically locks the current video segment to prevent it from being overwritten. Sensitivity can be adjusted (High, Medium, Low).



Image 4.2: Illustration of the three camera views: Front (3K WQHD), Rear (1080P Full HD), and Cabin (1080P Full HD).



Image 4.3: Details on Super Night Vision technology, including F/1.8 aperture, 6-layer optical lens, and WDR for enhanced clarity in

various lighting conditions.

### 4.3 One-Button Reverse Camera

To activate the rear camera view, press the dedicated 'R' button located on the car charger. This instantly displays the rear camera feed with integrated reversing assist lines, aiding in parking maneuvers.



Image 4.4: Demonstrates the 'R' button on the car charger for instant activation of the reverse camera view with parking assist lines.

### 4.4 Voice Control

Utilize voice commands through CarPlay or Android Auto for hands-free operation. Say "Hey Siri" (for Apple CarPlay) or "Hi Google" (for Android Auto) to perform actions such as adjusting volume, checking weather, making calls, or navigating.



Image 4.5: Examples of voice commands for navigation, calls, and information retrieval using Siri or Google Assistant.

### 4.5 Audio Output Options

The RC09 offers multiple ways to output audio:

- **Built-in Dual Speakers:** For direct audio playback from the unit.
- **FM Transmit:** Tune your car's FM radio to a clear, unused frequency, then set the RC09 to transmit audio on the same frequency (87.5MHz-108MHz).
- **Bluetooth 5.2:** Connect the RC09 to your car's audio system via Bluetooth for wireless sound.
- **Aux Connection:** Use the provided audio cable to connect the RC09 to your car's AUX input.



Image 4.6: Visual representation of the four audio connection modes: Built-in Speaker, FM Transmit, Bluetooth 5.2, and Aux Connection.

## 4.6 Adjustable Brightness

The display brightness can be adjusted manually or set to automatic mode, which adapts to ambient light conditions for optimal visibility day or night.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display screen. For stubborn smudges, lightly dampen the cloth with water. Avoid harsh chemicals or abrasive materials.
- **SD Card Management:** Regularly format the SD card (at least once a month) to ensure optimal recording performance and prevent data corruption. Back up important video files before formatting. Replace the SD card if it shows signs of degradation or error.
- **Cable Inspection:** Periodically check all cables for wear, damage, or loose connections.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power from car charger; faulty connection.	Ensure car charger is securely plugged into both the unit and the vehicle's cigarette lighter. Check vehicle's fuse for the cigarette lighter socket.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi issues; phone compatibility.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Restart both the phone and the RC09 unit. Check phone settings for CarPlay/Android Auto permissions.
Dash cam not recording.	SD card full or corrupted; incorrect settings.	Format the SD card via the unit's settings. Ensure loop recording is enabled. Check if the SD card is properly inserted.
Poor audio quality via FM.	Interference; incorrect frequency.	Select a different, unused FM frequency on both the RC09 and your car radio. Avoid frequencies near strong radio stations.
Unit turns off due to heat.	Overheating from direct sunlight or high ambient temperature.	If possible, reposition the unit to reduce direct sun exposure. Use a sunshade when parked in hot conditions. Ensure proper ventilation around the unit.
Reverse camera not automatic.	Designed for manual activation.	The reverse camera is activated by pressing the 'R' button on the car charger, not automatically by shifting into reverse. This is by design.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	RC09
Display Size	10.26 inches Touchscreen
Front Camera Resolution	3K WQHD (2880×1620 at 30fps)
Cabin Camera Resolution	1080P Full HD (at 30fps)
Rear Camera Resolution	1080P Full HD (at 30fps)
Front Camera Angle	170°
Cabin/Rear Camera Angle	160°
Connectivity	Bluetooth 5.2, Dual-band Wi-Fi (2.4GHz & 5GHz), USB, AUX
Compatible Systems	Apple CarPlay, Android Auto, AirPlay, Mirror Link
Audio Output Mode	Stereo (Built-in Speaker, FM Transmit, Bluetooth, AUX)
Special Features	Super Night Vision, WDR, G-Sensor, Loop Recording, Voice Control
Storage	Supports TF Card (32GB included)

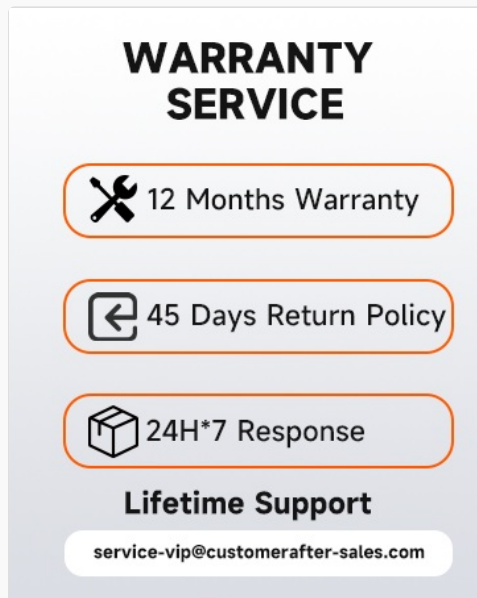
Feature	Detail
Item Weight	2.59 pounds
Package Dimensions	11.25 x 6.25 x 4 inches

## 8. WARRANTY AND SUPPORT




TUIFAC is committed to providing reliable products and customer satisfaction.

- **Warranty:** Your purchase includes a 1-year warranty from the date of purchase.
- **Return Policy:** A hassle-free 30-day return policy is provided.
- **Customer Support:** Our dedicated support team is available 24/7 to assist with any concerns or technical issues.

For assistance, please contact us at: [service-vip@customerafter-sales.com](mailto:service-vip@customerafter-sales.com)



**WARRANTY SERVICE**

-  12 Months Warranty
-  45 Days Return Policy
-  24H\*7 Response

**Lifetime Support**

[service-vip@customerafter-sales.com](mailto:service-vip@customerafter-sales.com)

**Image 8.1:** Summary of warranty service, return policy, and customer support availability.