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Roinvou 4+64G CarPlay (Ford Escape 2014-2019 Compatible)

Roinvou 9" Touch Screen Car Radio for Ford Escape 2014-2019

Brand: Roinvou | **Model:** 4+64G CarPlay (Compatible with Ford Escape 2014-2019)

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Roinvou 9-inch Touch Screen Car Radio, designed specifically for Ford Escape models from 2014 to 2019. This advanced car stereo system features an 8-core Android operating system, 4GB RAM, and 64GB internal storage, offering a seamless and enhanced in-car entertainment and navigation experience. Key features include wireless/wired CarPlay and Android Auto, Bluetooth 5.0, Wi-Fi, GPS navigation, and support for a backup camera.



Figure 1: Roinvou 9-inch Touch Screen Car Radio with its main interface showing various applications.

2. Package Contents

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

- Roinvou Car Stereo Head Unit (for Ford Escape Kuga)
- Power Cable
- CANBUS Decoder
- Original USB Cable
- Radio Antenna
- GPS Antenna
- RCA Harness
- Rear Camera Input Cable
- Dual USB Cable
- AHD Backup Camera
- External Microphone
- Installation Tool & Accessories

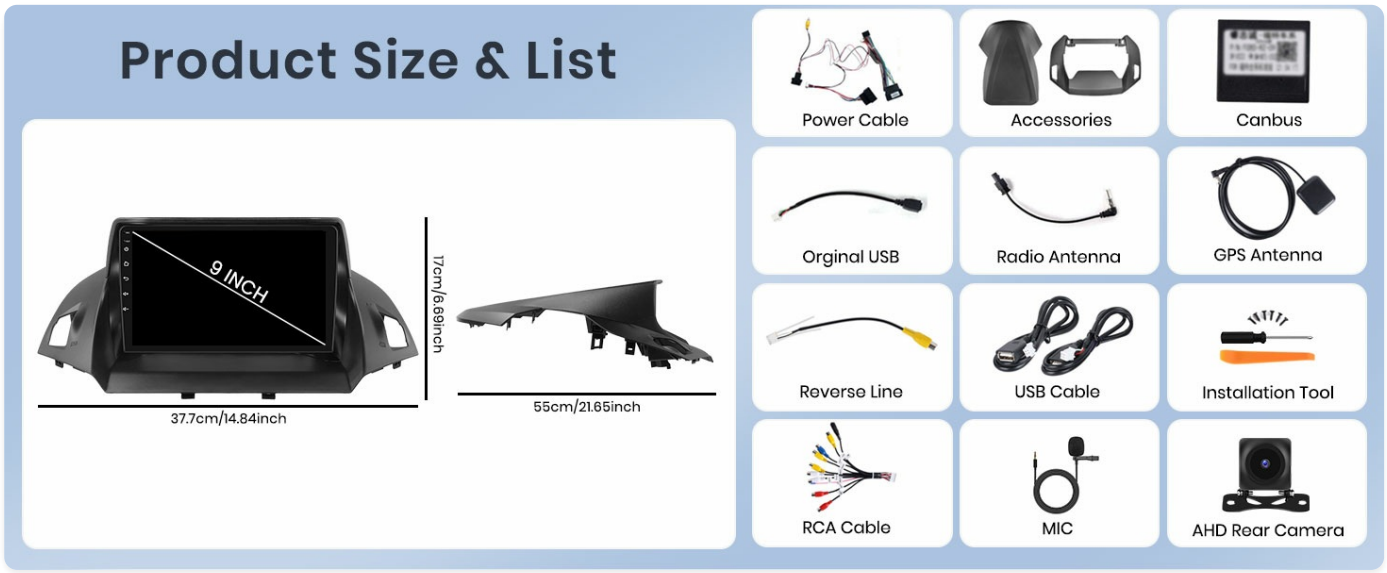


Figure 2: Overview of included accessories and product dimensions.

3. Specifications

Feature	Description
System	Latest Android System (8 Cores CPU)
Memory	4GB RAM + 64GB ROM
Screen Size	9 Inches
Screen Resolution	1280*720 HD Capacitive Touch Screen
CarPlay & Android Auto	Wireless and Wired Support
Bluetooth Version	5.0
Internet Access	WiFi
Audio Quality	DSP 32EQ
Radio	FM RDS
Mirror Link	Support Wireless and Wired
External Microphone	Support
Steering Wheel Control (SWC)	Support
Power Output	4*45W
Product Dimensions	9.06 x 2.44 x 6.42 inches
Item Weight	5.5 pounds

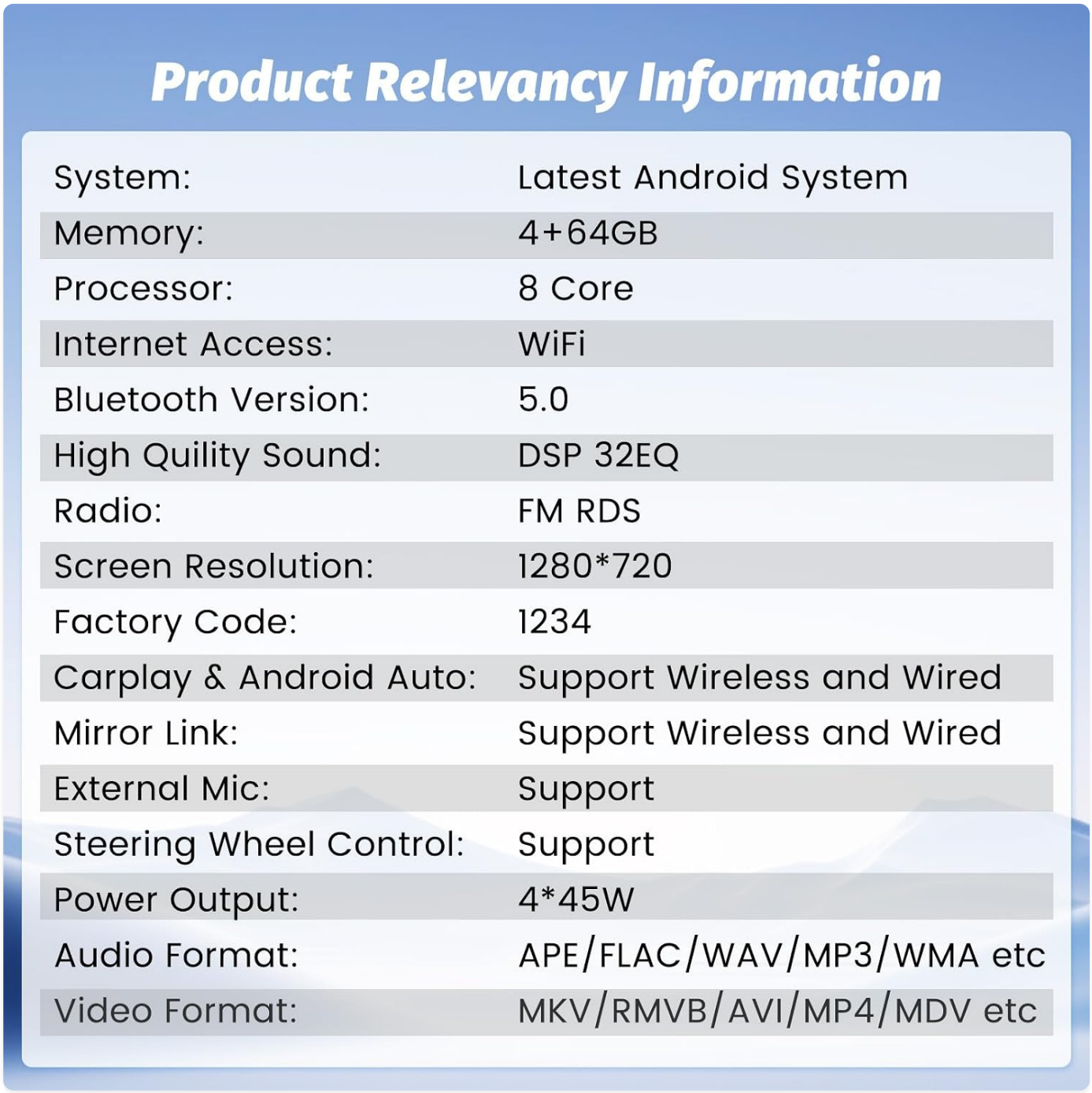


Figure 3: Detailed product specifications and features.

4. Setup and Installation

Important: Before beginning installation, ensure your vehicle's battery is disconnected to prevent electrical damage. It is highly recommended to seek professional installation if you are not familiar with car audio system wiring.

4.1 Compatibility Check

This unit is designed for Ford Escape models from 2014 to 2019. Verify that the power cable port on the unit matches your original car's power cable port. This unit is not compatible with original amplifier systems but supports the original reverse camera.



Figure 4: Visual guide for Ford Escape 2014-2019 compatibility and post-installation appearance.

4.2 General Installation Steps

1. **Disconnect Battery:** Disconnect the negative terminal of your vehicle's battery.
2. **Remove Original Radio:** Carefully remove the existing car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
3. **Connect Wiring Harness:** Connect the provided wiring harness to the car radio unit and then to your vehicle's factory wiring. Ensure all connections are secure. The CANBUS decoder should be connected as per the diagram.
4. **Connect Antennas:** Connect the GPS antenna and radio antenna to their respective ports on the head unit. Position the GPS antenna in a location with a clear view of the sky (e.g., dashboard corner).
5. **Connect USB Cables:** Connect the dual USB cables to the unit and route them to a convenient location (e.g., glove compartment or center console).
6. **Connect External Microphone:** Plug in the external microphone for improved call quality and voice control. Route it to a suitable position, suchs as near the rearview mirror or steering column.
7. **Test Connections:** Before fully reassembling the dashboard, reconnect the battery and briefly power on the unit to

ensure it functions correctly. Test basic features like power, display, and sound.

8. **Secure Unit:** Mount the new head unit into the dashboard opening using the provided frame panel and accessories.
9. **Reassemble Dashboard:** Carefully reassemble all dashboard trim pieces.

4.3 Wiring Diagrams

Refer to the following diagrams for detailed wiring connections:

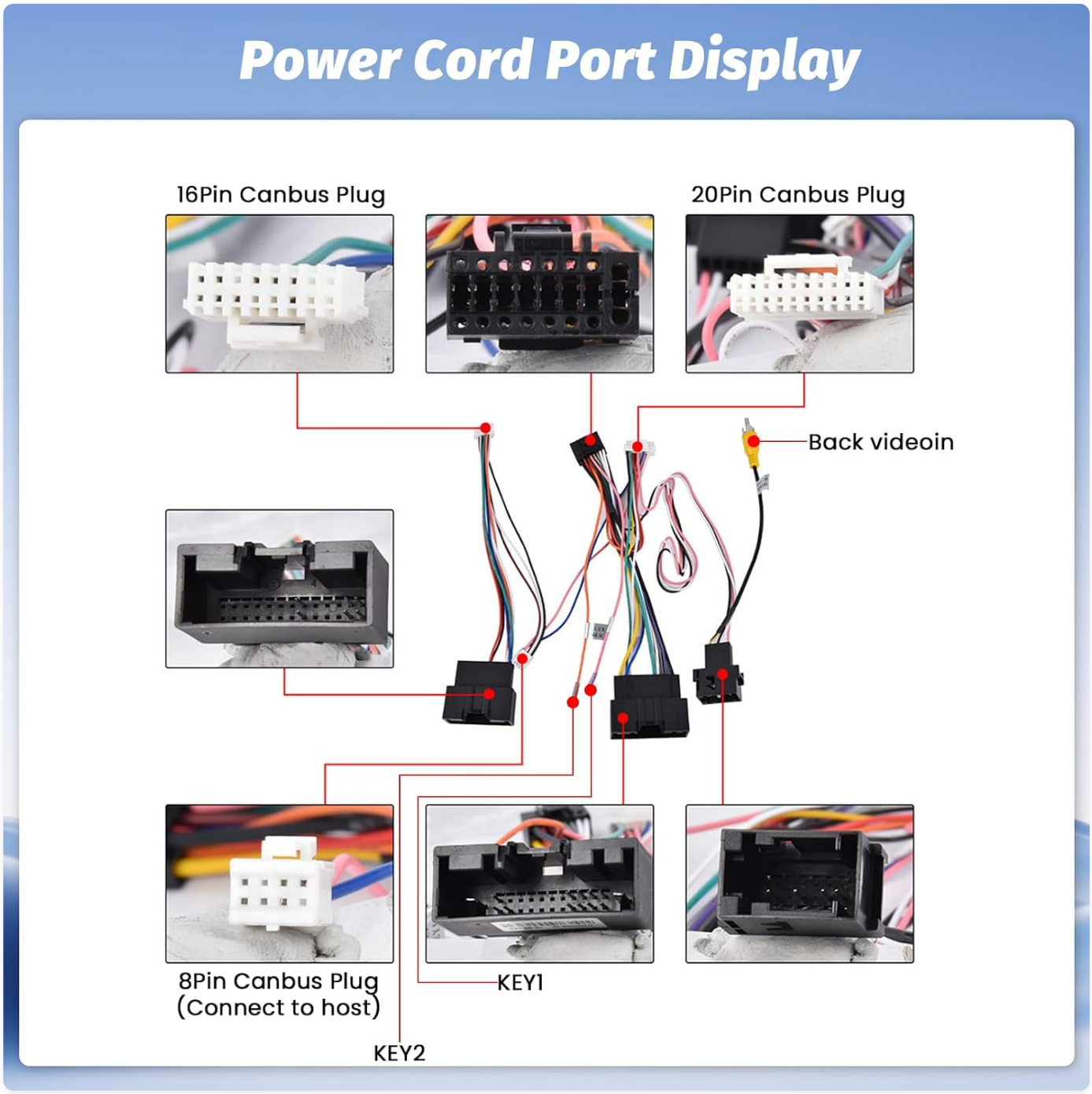


Figure 5: Power Cord Port Display and CANBUS connections.



Figure 6: Reversing Camera Wiring Diagram. Note: If your original vehicle has the SYNC function, this interface needs to be connected. If not, it has no other function.

5. Operating Instructions

5.1 Wireless/Wired CarPlay & Android Auto

Connect your smartphone to the car radio wirelessly via Bluetooth or using the original USB data cable. This allows you to access navigation, make calls, send messages, and listen to music directly from your phone's interface displayed on the car screen.

- **Wireless Connection:** Enable Bluetooth on your phone and the car radio. Pair the devices. Once paired, CarPlay or Android Auto should launch automatically.
- **Wired Connection:** Connect your phone to the car radio's USB port using a high-quality USB data cable. CarPlay or Android Auto will typically launch automatically.



Figure 7: Connectivity options for CarPlay, Android Auto, and Mirror Link.

5.2 Bluetooth 5.0

The built-in Bluetooth 5.0 module provides a stable connection for hands-free calling and audio streaming.

- **Pairing:** Go to the Bluetooth settings on the car radio, enable Bluetooth, and search for available devices on your phone. Select the car radio's Bluetooth name (e.g., "Roinvou Car BT") and pair.
- **Hands-Free Calling:** Once paired, you can make and receive calls directly from the car radio's interface. Your phonebook can be synchronized.
- **Audio Streaming:** Play music from your phone through the car's speakers via Bluetooth.

5.3 Wi-Fi & GPS Navigation

Connect the unit to a Wi-Fi hotspot (e.g., from your phone) to access online maps, download apps, and browse the internet. The integrated GPS module supports accurate navigation.

- **Wi-Fi Connection:** Navigate to Settings > Network & Internet > Wi-Fi. Select your desired network and enter the password.

- **GPS Navigation:** Use pre-installed navigation apps or download your preferred ones from the app store. The unit supports both online and offline maps.

5.4 FM/RDS Radio

Access local radio stations with the built-in FM/RDS tuner.

- **Tuning:** Open the "Radio" application. You can manually tune, auto-scan for stations, or select from saved presets.
- **RDS:** Radio Data System (RDS) displays information like station name, song title, and traffic updates where available.

5.5 32-Band EQ

Customize your audio experience with the 32-band equalizer.

- **Adjusting EQ:** Access the EQ settings through the audio or sound application. You can adjust frequency bands, select preset sound types, or create custom profiles to optimize sound quality.

5.6 Mirror Link

Mirror your smartphone's screen directly onto the car radio display.

- **Connection:** Connect your phone via USB or Wi-Fi as prompted by the Mirror Link application on the head unit. Follow the on-screen instructions to establish the connection.

5.7 Steering Wheel Control (SWC)

Control essential functions of the car radio directly from your vehicle's steering wheel buttons.

- **Configuration:** Go to the SWC settings in the unit's menu. Follow the on-screen prompts to program each steering wheel button to its corresponding function (e.g., volume up/down, track skip, mode change).



Figure 8: Reverse image display and Steering Wheel Control setup interface.

5.8 Backup Camera

The unit automatically switches to the backup camera view when the vehicle is put into reverse gear, providing a clear image for safe parking and maneuvering.

- **Operation:** Ensure the AHD backup camera is correctly installed and wired (refer to Section 4.3). When you shift into reverse, the display will automatically show the camera feed.

6. Maintenance

- **Screen Cleaning:** Use a soft, lint-free cloth (e.g., microfiber) to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh

chemicals.

- **General Care:** Keep the unit free from dust and debris. Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Software Updates:** Periodically check for software updates through the unit's system settings or the manufacturer's website to ensure optimal performance and access to new features.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	Blown fuse, incorrect wiring, loose connection.	Check vehicle fuses (especially radio fuses). Verify all wiring connections are secure and correct (refer to Section 4.3). Ensure the battery is properly connected.
No sound or distorted sound.	Speaker wiring issue, volume too low, EQ settings.	Check speaker connections. Adjust volume. Reset EQ settings to default or adjust them. Ensure the unit is not muted.
Backup camera shows "No Signal".	Incorrect camera wiring, faulty camera, unit not detecting reverse signal.	Verify the camera's power and video signal connections (refer to Figure 6). Ensure the reverse trigger wire is correctly connected. Test the camera if possible.
Wireless CarPlay/Android Auto not connecting.	Bluetooth not enabled, incorrect pairing, phone software issue.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Restart both the phone and the car radio. Try a wired connection to confirm basic functionality.
Volume gets stuck or behaves erratically.	Software glitch, internal component issue.	Restart the unit. If the issue persists, perform a factory reset (note: this will erase all settings and data). If the problem continues, contact customer support.
Steering Wheel Controls not working.	Incorrect CANBUS connection, SWC not configured.	Ensure the CANBUS decoder is correctly connected. Re-enter the SWC learning interface and re-program the buttons (refer to Section 5.7).

8. Warranty and Support

Roinvou is committed to providing high-quality products and customer satisfaction.

8.1 Return Policy

This product is eligible for a 30-day refund or replacement policy from the date of purchase. Please refer to the retailer's return policy for detailed terms and conditions.

8.2 Customer Support

For any technical assistance, troubleshooting, or warranty inquiries, please contact our customer support team:

Email: roinvouservices@163.com

Our support team aims to respond within 24 hours.

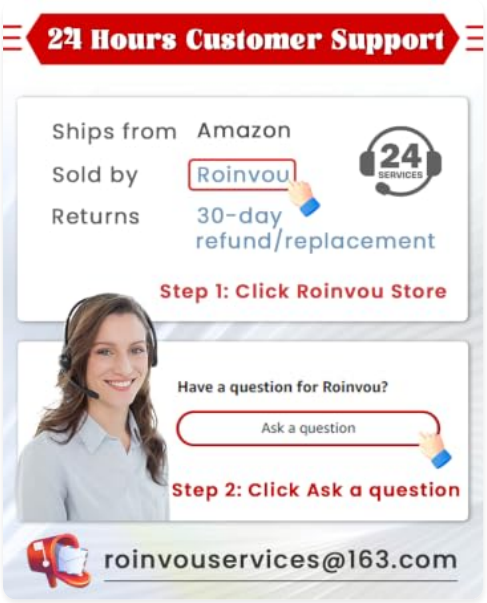


Figure 9: Customer support contact details.

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