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Retevis FA9140CX5-J9131P

Retevis RT29 Two-Way Radio Instruction Manual

Heavy Duty Emergency Two Way Radio

PRODUCT OVERVIEW

The Retevis RT29 is a robust and reliable two-way radio designed for demanding environments. It offers long-range communication, IP67 waterproof and dustproof protection, and a high-capacity battery for extended operation. This manual provides essential information for setting up, operating, and maintaining your RT29 radios.



Figure 1: Retevis RT29 Two-Way Radios with Charging Docks. These radios are designed for heavy-duty use and feature IP67 water and dust resistance.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- 5 x Retevis RT29 walkie talkies
- 5 x 3200mAh (Li-ion) Battery
- 5 x Belt Clip
- 5 x Charging dock
- 5 x Charger adapter
- 5 x Lanyard
- 1 x English User Manual

3200mAh

LONG BATTERY LIFE

support over about 24 hours of use time
250 hours standby time



Power saving
mode



low battery
alarm

Figure 2: Included Components. Ensure all listed items are present in your package.

SETUP

1. Battery Installation and Charging

The Retevis RT29 comes with a 3200 mAh Lithium-ion battery. For optimal performance, fully charge the battery before first use.

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To charge, place the radio (with battery installed) into the charging dock.
4. Connect the charger adapter to the charging dock and plug it into a power outlet.
5. The indicator light on the radio will show charging status (typically red for charging, green for fully charged).

IP67 Waterproof and Dustproof



COMPLETELY DUSTPROOF:

completely prevent dust from invading the walkie talkie

(1M/30MIN) WATERPROOF:

withstand accidental immersion in water at a depth of 1 meter for 30 minutes

Figure 3: Battery and Power Features. The 3200mAh battery provides up to 24 hours of operation and features power saving mode and low battery alarm.



Figure 4: Battery Pack and Radio Back. This image shows the separate battery pack and the rear of the radio, highlighting the connection terminals.



Figure 5: Charging Dock. Place the radio in the dock for charging.

2. Antenna Attachment

Screw the antenna clockwise into the connector on the top of the radio until it is firmly seated. Do not overtighten.

HIGH GAIN ANTENNA



High Power

specifically designed for large commercial environments



Long Range

can successive penetrate buildings; metal obstacles;



Figure 6: High Gain Antenna. The antenna is crucial for maximizing signal range and power.

OPERATING INSTRUCTIONS

1. Radio Controls and Functions



Figure 7: RT29 Radio Parts Diagram. Familiarize yourself with the radio's components.

- **Power/Volume Switch:** Rotate clockwise to turn on the radio and increase volume. Rotate counter-clockwise to decrease volume and turn off.
- **Channel Knob:** Rotate to select one of the 16 pre-programmed channels.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit. Release to receive.
- **SK1/SK2 (Side Keys):** These keys can be programmed for various functions via software, such as emergency alarm.
- **Indicator Light:** Displays radio status (e.g., green for receiving, red for transmitting, flashing for low battery).
- **SP/MIC Jack:** For connecting external audio accessories like headsets or speaker microphones.

2. Basic Communication

1. Turn on both radios and set them to the same channel using the Channel Knob.
2. To transmit, press and hold the PTT button on your radio. Speak clearly into the microphone.
3. Release the PTT button to listen for a response.

Note on Compatibility: The channels are pre-set with CTCSS DCS to reduce unnecessary transmissions. Therefore, RT29 radios cannot directly communicate with other brands of radios unless programmed to do so. If you need to communicate with other brands, please contact Retevis support for firmware and programming assistance.

Frequently Asked Question:

Q1: Does it work with other brands radios?

A: The channels are pre-set with CTCSS DCS to reduce unnecessary transmissions and therefore cannot talk directly to other brands of radios.

If you need to talk to other brand walkie talkies, please contact us via Amazon mail.

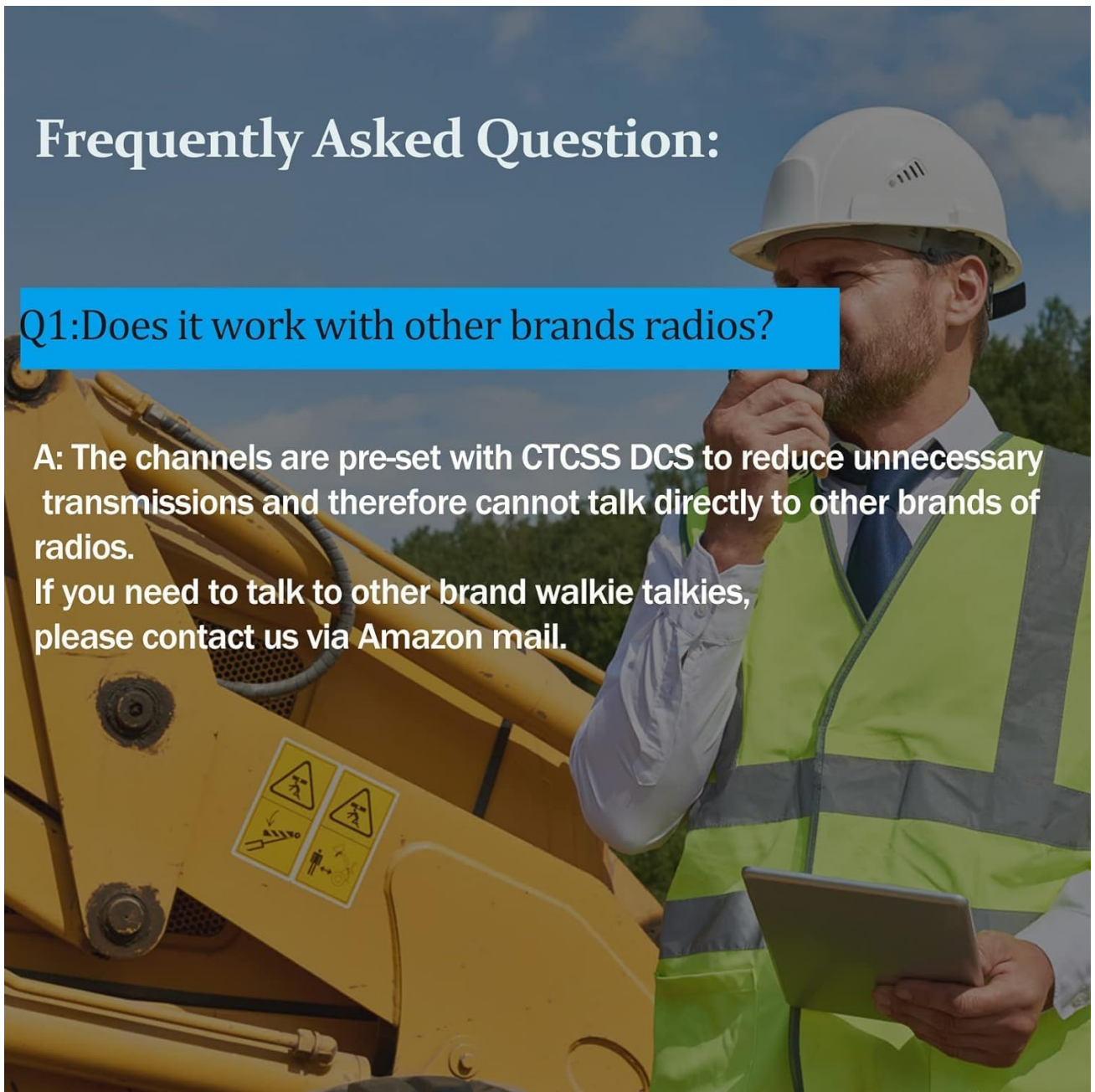


Figure 8: Compatibility Information. Important note regarding communication with other radio brands.

3. Emergency Alarm Function

The RT29 features an emergency alarm function designed to enhance safety in the workplace. This function can be assigned to one of the side keys (SK1 or SK2) via programming software.

- When activated, the radio will emit a loud alarm sound.
- If another RT29 radio is on the same channel, it will receive the alarm, and its indicator light will flash green, alerting team members to a potential emergency.
- The alarm will continue until the PTT button is pressed.

Your browser does not support the video tag.

Video 1: How to set emergency alarm function on Retevis RT29. This video demonstrates the activation and reception of the emergency alarm feature.



Figure 9: Emergency Alert. The RT29's emergency alarm helps alert others in critical situations.

4. Voice Activated Transmit (VOX)

The RT29 supports 0-9 levels of voice activated transmit (VOX) function, allowing for hands-free operation. When VOX is enabled and a sufficient voice level is detected, the radio will automatically transmit. This feature can be configured via programming software.

MAINTENANCE

1. Cleaning

Clean the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charging contacts on the radio and charger are clean and free of debris.

2. Battery Care

- Avoid overcharging or completely draining the battery.
- Store batteries in a cool, dry place when not in use.
- If the radio will not be used for an extended period, remove the battery.

3. IP67 Waterproof and Dustproof

The RT29 is rated IP67, meaning it is completely dustproof and can withstand accidental immersion in water at a depth of 1 meter for 30 minutes. While rugged, proper care should still be taken:

- Ensure the battery pack is securely attached and all port covers are properly sealed before exposing the radio to water or dust.
- Do not intentionally submerge the radio for prolonged periods or beyond specified depths.
- If the radio gets wet, wipe it dry with a clean cloth before charging or opening any compartments.

Frequently Asked Question:

Q1: Does it work with other brands radios?

A: The channels are pre-set with CTCSS DCS to reduce unnecessary transmissions and therefore cannot talk directly to other brands of radios.

If you need to talk to other brand walkie talkies, please contact us via Amazon mail.

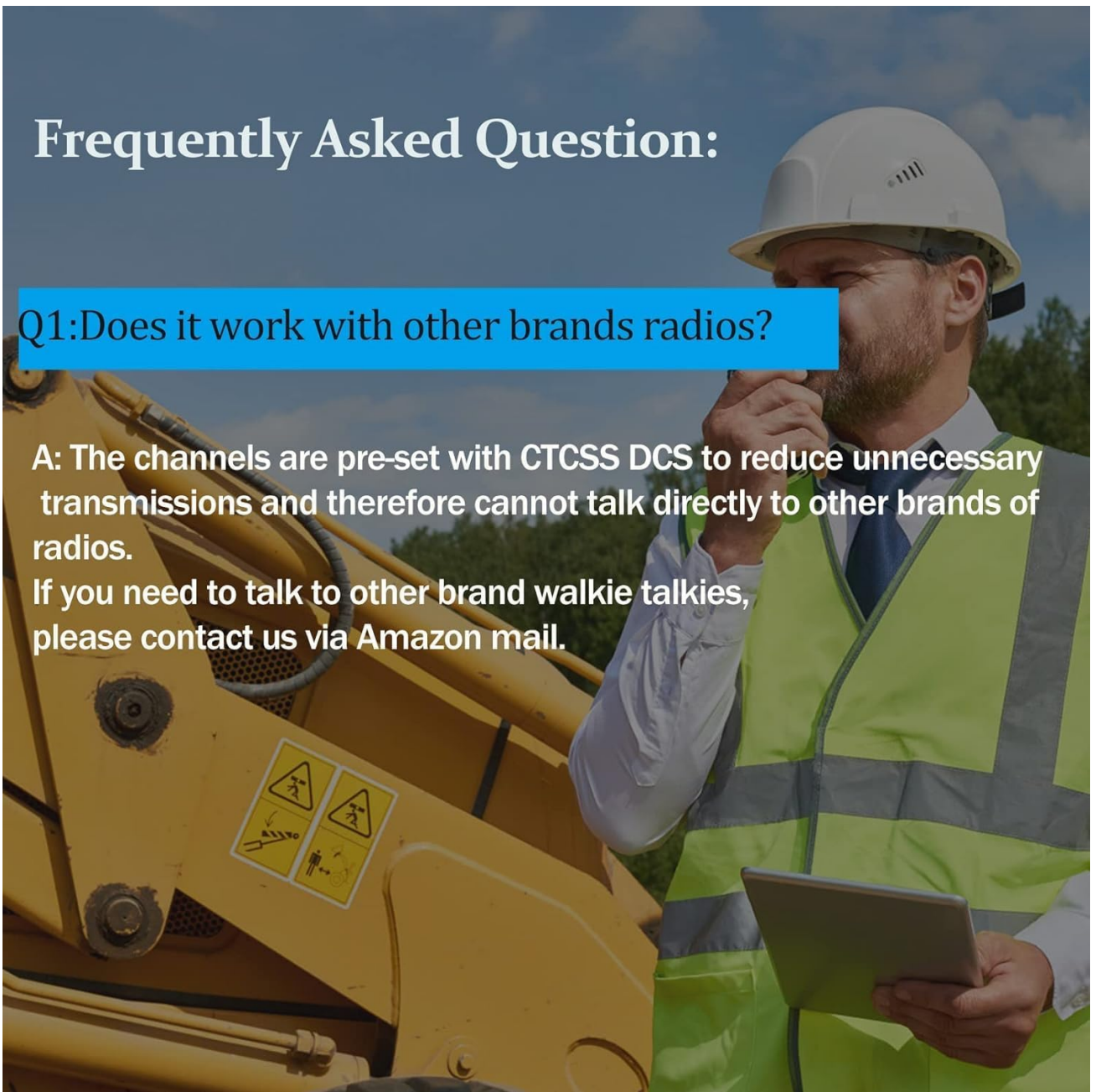


Figure 10: IP67 Protection. The RT29 is designed to withstand harsh environments, being completely dustproof and waterproof for up to 1 meter for 30 minutes.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Battery is not installed correctly or is depleted.	Ensure battery is securely installed. Charge the battery fully.
No sound or low volume.	Volume is too low or speaker is blocked.	Increase volume using the Power/Volume knob. Check for obstructions on the speaker.
Cannot transmit or receive.	Radios are on different channels or out of range.	Verify both radios are on the same channel. Move closer to the other radio. Check antenna connection.
Short communication range.	Obstructions (buildings, terrain) or low battery.	Move to an open area. Ensure battery is fully charged.
Cannot communicate with other brand radios.	Channels are pre-set with CTCSS/DCS.	Contact Retevis support for programming assistance to match other radio settings.

SPECIFICATIONS

Feature	Detail
Brand	Retevis
Model Number	FA9140CX5-J9131P
Item Weight	4.27 pounds
Product Dimensions	5.9 x 2.5 x 1.4 inches
Batteries	5 Lithium Ion batteries required (included)
Number of Channels	16
Water Resistance Level	Waterproof (IP67)
Voltage	7.4 Volts
Frequency Range	RT29
Color	Black

WARRANTY AND CUSTOMER SUPPORT

Retevis provides comprehensive support for your RT29 radios:

- **Warranty:** A 2-year warranty is provided for the radio body and a 1-year warranty for accessories.
- **Return Policy:** 30 days no reason to return.
- **Post-Warranty Service:** Maintenance services are available beyond the warranty period; buyers are responsible for associated costs.
- **Customer Support:** For any inquiries or assistance, please contact Retevis via Amazon mail. Responses are typically provided within 12 hours.