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› [MOICO T5 Long Range FRS Two-Way Radios User Manual](#)

## MOICO T5

# MOICO T5 Long Range FRS Two-Way Radios User Manual

Model: T5

## 1. INTRODUCTION

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Thank you for choosing the MOICO T5 FRS Two-Way Radios. These radios are designed for reliable communication in various environments, offering 22 FRS channels and 99 CTCSS privacy codes. This manual provides essential information for safe and efficient operation of your device.

## 2. PACKAGE CONTENTS

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- 2 × MOICO T5 Two-Way Radios
- 1 × User Manual
- 2 × Detachable Belt Clips

Note: AAA batteries are not included and must be purchased separately.

## 3. PRODUCT OVERVIEW

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Familiarize yourself with the components and controls of your MOICO T5 radio.



Image: Front and top view of the MOICO T5 radio with labels for antenna, scanning, VOX, battery level, microphone, talk/call button, power button, down/monitor button, speaker, channel/menu item, CTCSS/menu option, Tx/Rx icon, volume, keypad lock, lamp button, up/scan button, menu/lock button, and charger jack.



Image: An infographic highlighting key features of the MOICO T5 radio, including 22 FRS channels, 99 privacy codes, VOX (hands-free), auto squelch system, 10 call tone settings, and keypad lock. The image also shows the radio's dimensions (5.8 inches height, 1.75 inches width).

## 4. SETUP

### 4.1 Battery Installation

Each MOICO T5 radio requires 3 AAA batteries (not included).

1. Locate the battery compartment on the back of the radio.
2. Press down on the clip and slide the battery cover downwards to open.
3. Insert 3 AAA batteries, ensuring correct polarity (+/-).
4. Replace the battery cover and slide it upwards until it clicks into place.



Image: A four-panel diagram illustrating the steps for battery installation: 1) Removing the belt clip, 2) Opening the battery compartment, 3) Inserting AAA batteries, and 4) Closing the battery compartment.

### 4.2 Attaching the Belt Clip

To attach the belt clip, slide it into the slot on the back of the radio until it locks into place. To remove, lift the tab

and slide the clip upwards.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Power On/Off

Press and hold the **Power** button (  ) for 3 seconds to turn the radio on or off.

### 5.2 Adjusting Volume

Use the **Up** (  ) and **Down** (  ) buttons to adjust the speaker volume. The current volume level will be displayed on the LCD screen.

### 5.3 Channel Selection

Your radio has 22 FRS channels.

1. Press the **MENU** button (  ) once. The channel number will flash.
2. Use the **Up** or **Down** buttons to select your desired channel.
3. Press the **MENU** button again or wait 5 seconds for the selection to be saved.

### 5.4 CTCSS/DCS Tone Selection (Privacy Codes)

CTCSS (Continuous Tone-Coded Squelch System) provides 99 privacy codes to minimize interference from other users on the same channel.

1. Press the **MENU** button twice. The CTCSS code will flash.
2. Use the **Up** or **Down** buttons to select your desired CTCSS code (01-99). Code 00 means no tone is selected.
3. Press the **MENU** button again or wait 5 seconds to confirm.

### 5.5 Transmitting and Receiving

To transmit, press and hold the **Talk/Call** button (usually on the side of the radio). Speak clearly into the microphone. Release the button to receive. Ensure both radios are on the same channel and CTCSS code for communication.

### 5.6 VOX Function (Hands-Free Operation)

VOX allows you to transmit by speaking into the microphone without pressing the Talk button. It has 3 sensitivity levels.

1. Press the **MENU** button three times. The VOX icon and sensitivity level will flash.
2. Use the **Up** or **Down** buttons to select a sensitivity level (1-3, with 3 being most sensitive) or turn VOX off (OF).
3. Press the **MENU** button again or wait 5 seconds to confirm.

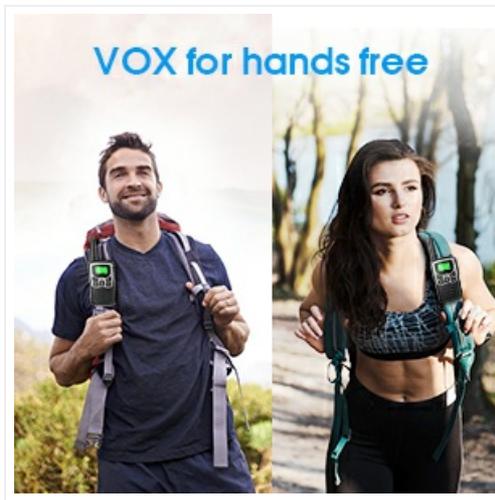


Image: Two individuals hiking, demonstrating the hands-free VOX function of the walkie talkie.

### 5.7 Keypad Lock

To prevent accidental changes to settings, press and hold the **MENU** button for 3 seconds until the Keypad Lock icon (🔒) appears on the LCD. Repeat to unlock.

### 5.8 Flashlight

Press the **Lamp** button (💡) to turn the built-in LED flashlight on or off. This feature is useful in low-light conditions.



Image: A person using the walkie talkie's built-in LED flashlight at night while camping, illuminating the area around a tent and campfire.

### 5.9 Scan Function

Press the **SCAN** button (📶) to activate the channel scan feature. The radio will scan all 22 channels and stop on an active channel. Press the **SCAN** button again to stop scanning.

## 6. COMMUNICATION RANGE

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The actual communication range of your MOICO T5 radios can vary significantly based on environmental factors.

- **Up to 5 Miles:** In ideal conditions, such as mountain-to-valley or open, unobstructed areas.
- **Up to 3 Miles:** In open water areas or rural environments with minimal obstructions.
- **0.6 - 1.2 Miles:** In urban environments with buildings, trees, and other obstacles.

Factors such as terrain, weather conditions, electromagnetic interference, and battery level can affect the range.

# FRS WALKIE TALKIES

The actual distance depends on the obstruction of the current environment

MAX UP TO **5** MILES  
(Mountain to valley)

UP TO **3** MILES  
(Open water areas)

UP TO **600** M to **1.5** MILES  
(Cities or Towns)



Image: An illustration showing the maximum communication range of FRS walkie talkies in various environments: up to 5 miles in mountain-to-valley, up to 3 miles in open water areas, and 600m to 1.5 miles in cities or towns. The image emphasizes that actual distance depends on environmental obstruction.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** If storing the radios for an extended period, remove the batteries to prevent leakage. Store in a cool, dry place.
- **Water Resistance:** The radios are water-resistant, but not waterproof. Avoid submerging them in water.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Batteries are low or incorrectly installed.	Replace batteries or check polarity.
Cannot communicate with other radios	Radios are on different channels or CTCSS codes.	Ensure all radios are set to the same channel and CTCSS code.

Problem	Possible Cause	Solution
Static or poor sound quality	Out of range, low battery, or interference.	Move closer to the other radio, replace batteries, or change channel/CTCSS code.
VOX not activating	VOX sensitivity too low or VOX is off.	Adjust VOX sensitivity to a higher level or ensure VOX is enabled.
Keypad locked	Keypad lock feature is active.	Press and hold the MENU button for 3 seconds to unlock.

## 9. SPECIFICATIONS

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- **Model:** T5
- **Channels:** 22 FRS Channels
- **Privacy Codes:** 99 CTCSS Tones
- **Frequency Range:** 462.5500-462.7250MHz, 462.5625-462.7125MHz, 467.5625-467.7125MHz
- **Power Source:** 3 x AAA Batteries (not included)
- **Special Features:** VOX, Scan, LCD Display, LED Flashlight, Keypad Lock
- **Dimensions:** 1 x 2 x 5.8 inches
- **Item Weight:** 7 ounces
- **Water Resistance Level:** Water Resistant

## 10. WARRANTY AND SUPPORT

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MOICO provides a 2-year warranty for this product. For technical support or warranty claims, please contact MOICO customer service through the retailer where the product was purchased. Please retain your proof of purchase.

## 11. SAFETY INFORMATION

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- Do not use the radio in explosive environments (e.g., near gas pumps, fuel storage areas).
- Keep the radio away from medical devices.
- Do not attempt to modify or disassemble the radio.
- Use only specified batteries.
- Avoid exposing the radio to extreme temperatures or direct sunlight for prolonged periods.