## MOICO T5

# MOICO T5 FRS Two-Way Radio User Manual

Model: T5

## 1. INTRODUCTION

This user manual provides comprehensive instructions for the MOICO T5 FRS Two-Way Radios. Please read this manual thoroughly before operating your device to ensure proper use and to maximize its performance and longevity. These radios are designed for reliable communication in various outdoor and indoor environments.

Image: Two MOICO T5 FRS Two-Way Radios.

## 2. PRODUCT OVERVIEW

## 2.1. Package Contents

- 2 x MOICO T5 FRS Two-Way Radios
- 1 x User Manual

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

## 2.2. Key Features

- **22 FRS Channels:** Provides a wide range of communication options.
- **99 CTCSS Tones:** Offers privacy codes for reducing interference from other users.
- **VOX (Voice Activated Transmission):** Enables hands-free communication with 3 sensitivity levels.
- **Scan Function:** Automatically scans for active channels.
- **LCD Display:** Back-lit green screen for visibility in low-light conditions.
- **LED Flashlight:** Integrated for convenience and emergency use.
- **Keypad Lock:** Prevents accidental changes to settings.
- **10 Call Tone Settings:** Customizable alert tones.

## 2.3. Radio Components



Image: MOICO T5 FRS Two-Way Radio Component Diagram.

1. **Antenna:** For transmitting and receiving signals.
2. **LCD Display:** Shows channel, volume, battery level, and feature icons.
3. **Power Button ( ):** Press and hold to turn the radio on or off.
4. **Menu/Lock Button (MENU/ ):** Press to access menu settings; press and hold to lock/unlock keypad.
5. **Up/Scan Button (▲/SCAN):** Adjusts settings up; press to activate scan function.
6. **Down/Monitor Button (▼/MON):** Adjusts settings down; press to activate monitor function.
7. **Talk/Call Button (PTT):** Press to transmit voice; press twice quickly for call tone.
8. **Lamp Button ( ):** Turns the LED flashlight on or off.
9. **Microphone:** For voice input.
10. **Speaker:** For audio output.
11. **Charger Jack:** For connecting a charging cable (if applicable, check model for specific charging capabilities).

## 3. SETUP

### 3.1. Battery Installation

The MOICO T5 radios require 4 AAA batteries per unit (not included).

1. Ensure the radio is powered off.
2. Locate the battery compartment cover on the back of the radio.
3. Press down on the latch and slide the cover downwards to remove it.
4. Insert 4 AAA batteries, observing the correct polarity (+/-) as indicated inside the compartment.
5. Replace the battery compartment cover by sliding it upwards until it clicks into place.



Image: Battery Installation Steps.

### 3.2. Attaching the Belt Clip

To attach the belt clip, align the clip with the grooves on the back of the radio and slide it upwards until it locks into place. To remove, push the release tab and slide the clip downwards.

## 4. OPERATING INSTRUCTIONS

### 4.1. Power On/Off

- **To Power On:** Press and hold the **Power ( )** button until the LCD screen illuminates and you hear a tone.
- **To Power Off:** Press and hold the **Power ( )** button until the LCD screen turns off.

### 4.2. Adjusting Volume

Use the **Up ( ▲ )** and **Down ( ▼ )** buttons to adjust the listening volume. The volume level is displayed on the LCD screen.

### 4.3. Channel Selection

1. Press the **MENU** button once. The channel number will flash on the LCD.
2. Use the **Up ( ▲ )** or **Down ( ▼ )** buttons to select your desired channel (1-22).
3. Press the **PTT** button to confirm your selection and exit the menu, or press **MENU** again to move to the next setting.

## 4.4. CTCSS (Continuous Tone-Coded Squelch System)

CTCSS tones help filter out unwanted conversations on a channel. Both radios must be set to the same channel and CTCSS tone to communicate.

1. Press the **MENU** button twice. The CTCSS code will flash.
2. Use the **Up (▲)** or **Down (▼)** buttons to select a CTCSS code (01-99). Select '00' to disable CTCSS.
3. Press the **PTT** button to confirm and exit, or **MENU** to proceed.

## 4.5. VOX (Voice Activated Transmission)

VOX allows hands-free operation. The radio transmits when it detects your voice.

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 'OFF' to disable VOX.
3. Press the **PTT** button to confirm and exit, or **MENU** to proceed.
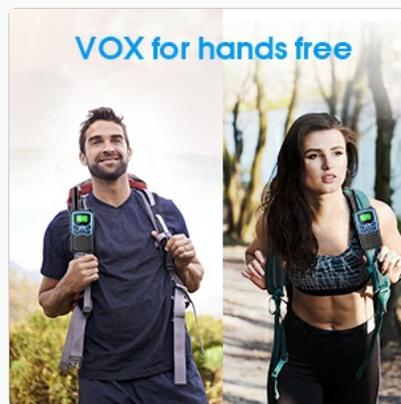


Image: VOX for hands-free communication.

## 4.6. Scan Function

The scan function allows you to search for active channels.

- Press the **SCAN (▲)** button once. The radio will begin scanning through channels.
- When an active channel is found, the radio will pause on that channel.
- Press the **PTT** button to transmit on the active channel, or press **SCAN** again to resume scanning.

## 4.7. Call Tone

You can send an audible call tone to other radios on the same channel.

- Quickly press the **PTT** button twice to send a call tone.

## 4.8. Keypad Lock

To prevent accidental changes to your settings:

- Press and hold the **MENU ( )** button until the lock icon appears on the LCD.
- To unlock, press and hold the **MENU ( )** button again until the lock icon disappears.

## 4.9. Flashlight Operation

The integrated LED flashlight provides illumination.

- Press the **Lamp ( )** button once to turn the flashlight on.
- Press the **Lamp ( )** button again to turn the flashlight off.



Image: MOICO T5 with LED Flashlight and Back-lit LCD Screen.

## 4.10. Monitor Function

The monitor function allows you to listen to weak signals on the current channel by temporarily overriding the squelch setting.

- Press and hold the **MON ( ▼ )** button to activate the monitor function.
- Release the button to deactivate.

## 5. COMMUNICATION RANGE

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

factors, terrain, and obstructions. The stated maximum ranges are under ideal conditions.

- **Up to 5 Miles:** In mountainous or valley areas with minimal obstructions.
- **Up to 3 Miles:** In open areas such as rural landscapes, suburbs, or seaside environments without significant barriers.
- **0.6 - 1.5 Miles:** In urban environments with numerous tall buildings and other obstructions.

Factors that can affect range include:

- **Terrain:** Hills, mountains, and dense foliage reduce range.
- **Obstructions:** Buildings, metal structures, and vehicles can block signals.
- **Weather Conditions:** Heavy rain or snow can slightly degrade signal quality.
- **Electromagnetic Interference:** Other electronic devices can cause interference.



Image: FRS Walkie Talkie Range Explanation.

## 6. MAINTENANCE

## 6.1. Battery Care

- Always use high-quality AAA alkaline batteries for optimal performance and durability.
- Remove batteries from the radio if it will not be used for an extended period to prevent leakage and damage.
- Dispose of used batteries responsibly according to local regulations.

## 6.2. Cleaning

- Wipe the radio's exterior with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure the radio is dry before storing or using.

## 7. TROUBLESHOOTING

If you encounter issues with your MOICO T5 radios, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| No power | Dead or incorrectly installed batteries. | Replace batteries or check polarity. |
| Cannot communicate with other radios | Different channels or CTCSS codes; out of range. | Ensure all radios are on the same channel and CTCSS code. Move closer to the other radio. |
| Short communication range | Obstructions (buildings, terrain); low battery. | Move to a more open area. Replace batteries. |
| Interference or static | Other radio users on the same channel; electromagnetic interference. | Change channel and/or CTCSS code. Move away from other electronic devices. |
| VOX activates unintentionally | VOX sensitivity too high; background noise. | Reduce VOX sensitivity or disable VOX if not needed. |
| Keypad unresponsive | Keypad is locked. | Press and hold the **MENU ( )** button to unlock the keypad. |

## 8. SPECIFICATIONS

| Feature | Detail |
|---|---|
| Model Number | T5 |

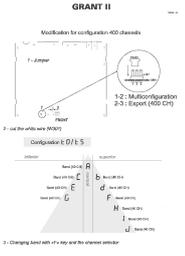| Feature | Detail |
| --- | --- |
| FCC ID | 2ASV6-T5A |
| Number of Channels | 22 FRS Channels |
| Privacy Codes | 99 CTCSS Tones |
| Frequency Range | 462.5500-462.7250MHz, 462.5625-462.7125MHz, 467.5625-467.7125MHz |
| Talking Range Maximum | Up to 3 Miles (typical, environment dependent) |
| Power Source | 4 x AAA Batteries (not included) |
| Voltage | 6 Volts (DC) |
| Item Weight | 7 ounces (per radio) |
| Package Dimensions | 10 x 7.2 x 2.52 inches |
| Special Features | VOX, Scan, LCD Display, LED Flashlight, Keypad Lock |
| Water Resistance Level | Water Resistant |

## 9. SAFETY INFORMATION

- Do not operate the radio in explosive atmospheres (e.g., near flammable gas, dust particles, metallic powders).
- Do not attempt to modify or disassemble the radio. Repairs should only be performed by qualified personnel.
- Keep the radio away from medical devices, as it may interfere with their operation.
- Avoid exposing the radio to extreme temperatures, direct sunlight, or moisture.
- Use only specified batteries.

## 10. WARRANTY AND SUPPORT

MOICO products typically come with a limited warranty. Please refer to the product packaging or the official MOICO website for specific warranty terms and conditions. For technical support or inquiries, please contact MOICO customer service through the platform where the product was purchased.

# Related Documents - T5

## Rivins T5 Walkie-Talkie User Manual
User manual for the Rivins T5 walkie-talkie, covering setup, operation, features, and technical specifications for communication devices.

## NEXTORCH T5 LED Flashlight: User Manual, Specifications, and Features
Comprehensive guide to the NEXTORCH T5 LED flashlight, including detailed specifications, features, operating instructions, maintenance tips, and warranty information. Learn about its powerful output, beam distance, and versatile modes.

## Grant II CB Radio Configuration and Frequency Guide
A comprehensive guide to configuring the President Grant II CB radio, including band selection, channel configuration (t0/t5), and +10KHz functionality. Features detailed frequency tables for various bands.

## Motorola Razr V3 LCD Screen and Call Speaker Replacement Guide
A step-by-step guide from iFixit on how to replace the internal LCD screen and call speaker for the Motorola Razr V3 mobile phone.

## Tuya T5AI-Board Development Board: Features, Specifications, and Configuration
A comprehensive guide to the Tuya T5AI-Board development board, detailing its features, peripherals, I/O configurations, RF parameters, and compliance statements. This board supports voice and screen multi-interaction with embedded Wi-Fi and Bluetooth.

## Samsung Magician 6 Installation Guide | SSD Management Software
Samsung Magician 6 Installation Guide provides comprehensive instructions for installing and using Samsung's SSD management software. Learn about system requirements, new features like RAPID mode and Secure Erase, supported SSD models, and general limitations for an optimal user experience.