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› Motorola Tlkr-t42 Two-Way Radio User Manual

Motorola T42 RED

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Model: T42 RED

1. INTRODUCTION

Thank you for choosing the Motorola Tlkr-t42 Two-Way Radio. This compact and easy-to-use radio is designed for reliable communication over short to medium distances, ideal for family outings, camping, or general recreational use. It operates on the PMR446 frequency band, offering 16 channels for clear communication.

This manual provides essential information on setting up, operating, and maintaining your Tlkr-t42 radio to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

Familiarize yourself with the components of your Motorola Tlkr-t42 radio:



Figure 2.1: Front view of the Tlkr-t42 radio, showing the display, control buttons, and speaker grille.



Figure 2.2: Side view of the Tlkr-t42 radio, highlighting its slim profile and the antenna.



Figure 2.3: Back view of the Tlkr-t42 radio, showing the textured grip and battery compartment.

Key Components:

- **Antenna:** For transmitting and receiving signals.
- **LCD Screen:** Displays channel number, battery status, and other indicators.
- **Power/Menu Button:** Turns the radio on/off and accesses menu options.
- **Up/Down Buttons (+/-):** Adjusts volume, changes channels, and navigates menu.
- **Push-to-Talk (PTT) Button:** Press and hold to transmit your voice.
- **Call Tone Button:** Sends an audible alert to other radios.
- **Speaker/Microphone:** For audio output and input.
- **Battery Compartment:** Houses the AAA batteries.

3. SETUP

3.1. Battery Installation

1. Ensure the radio is turned off.
2. Locate the battery compartment cover on the back of the radio.
3. Gently slide or unlatch the cover to open it.
4. Insert **three (3) AAA alkaline batteries** into the compartment, observing the correct polarity (+/-) as indicated inside.
5. Replace the battery compartment cover, ensuring it clicks securely into place.

Note: For best performance, use high-quality alkaline batteries. Rechargeable batteries are not supported for in-radio charging.

3.2. Powering On/Off

- **To Power On:** Press and hold the **Power/Menu** button until the display lights up and you hear a tone.
- **To Power Off:** Press and hold the **Power/Menu** button until the display turns off.

4. OPERATING INSTRUCTIONS

4.1. Adjusting Volume

With the radio powered on, press the **+** button to increase volume or the **-** button to decrease volume. The volume level will be displayed on the LCD screen.

4.2. Selecting a Channel

The Tlkr-t42 has 16 channels. To communicate with another radio, both radios must be set to the same channel.

1. Press the **Power/Menu** button once. The channel number will flash on the display.

2. Use the **+** or **-** buttons to select your desired channel (1-16).
3. Press the **Power/Menu** button again to confirm your selection, or wait a few seconds for the selection to be automatically saved.

4.3. Transmitting and Receiving

- **To Transmit:** Press and hold the **PTT (Push-to-Talk)** button located on the side of the radio. Speak clearly into the microphone, holding the radio approximately 2-3 inches from your mouth. The "Tx" icon will appear on the display.
- **To Receive:** Release the **PTT** button. The radio is now in receive mode.

Important: Only one person can talk at a time on a channel. Wait for the other party to finish speaking before pressing PTT.

4.4. Call Tone

To send an audible alert to other radios on the same channel, briefly press the **Call Tone** button (music note icon). This is useful for getting someone's attention before speaking.

4.5. Keyboard Lock

To prevent accidental changes to your settings, you can lock the keyboard.

- **To Lock:** Press and hold the **Power/Menu** button until the lock icon appears on the display.
- **To Unlock:** Press and hold the **Power/Menu** button again until the lock icon disappears.

4.6. Channel Scan

The scan feature allows you to listen to all channels for activity. When a signal is detected, the radio will pause on that channel.

1. Press the **Power/Menu** button repeatedly until the scan icon appears.
2. The radio will begin scanning. To stop scanning, press the **Power/Menu** button again.

4.7. Channel Monitor

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

- Press and hold the **-** button to activate monitor mode. You will hear static if no signal is present.
- Release the **-** button to exit monitor mode.

4.8. Time Out Timer (TOT)

The Time Out Timer (TOT) prevents continuous transmission by automatically stopping transmission after a preset time. This conserves battery life and prevents accidental prolonged transmissions. If you hold the PTT button for too long, the radio will stop transmitting and emit a warning tone.

5. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** Remove batteries if the radio will not be used for an extended period to prevent leakage.

- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Water Resistance:** The Tlkr-t42 is water resistant (IP21 rated), meaning it is protected against vertically falling drops of water. It is not waterproof and should not be submerged.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Batteries are dead or incorrectly installed.	Check battery polarity. Replace with fresh AAA batteries.
Cannot communicate with other radios.	Radios are on different channels. Out of range. Obstructions.	Ensure both radios are on the same channel. Move closer to the other radio. Move to an open area.
Poor audio quality or static.	Low battery. Out of range. Interference.	Replace batteries. Move closer. Avoid sources of electronic interference. Use monitor function to check for weak signals.
Keyboard is unresponsive.	Keyboard lock is activated.	Unlock the keyboard by pressing and holding the Power/Menu button until the lock icon disappears.

7. SPECIFICATIONS

- **Model:** T42 RED
- **Frequency Band:** PMR446 (UHF)
- **Frequency Range:** 446.00625 - 446.09375 MHz
- **Channels:** 16 channels
- **Channel Step:** 12.5 KHz (PMR)
- **Emission Power:** 0.5 W PMR
- **Power Source:** 3 x AAA Alkaline Batteries (not included)
- **Typical Battery Life (5/5/90 cycle):** Up to 18 hours
- **Dimensions (L x H x D):** 48 x 136 x 27 mm (1.89 x 5.35 x 1.06 inches)
- **Weight (without batteries):** 79 g (2.79 oz)
- **Talking Range (Open Camp):** Up to 4 km (2.5 miles)
- **Talking Range (Urban Area):** Up to 1 km (0.6 miles)
- **Water Resistance Level:** IP21 (Water Resistant)
- **Special Features:** LCD screen, Keyboard lock, Roger Beep, Call Tone, Channel scanning, Channel monitoring, TOT (Time Out Timer).

8. WARRANTY AND SUPPORT

Motorola products are designed for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Motorola support website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Motorola customer service through their official channels. Contact information can typically be found on the Motorola website or on your product packaging.

Please retain your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question