

Motorola Solutions MOT-T470

Motorola Talkabout T470 Two Way Radio User Manual

Model: MOT-T470

INTRODUCTION

The Motorola Talkabout T470 is a rugged and reliable two-way radio designed for communication in various environments. With an IPX4 weatherproof rating, built-in LED flashlight, and NOAA weather alerts, it's an ideal companion for outdoor adventures. This manual provides detailed instructions to help you get the most out of your T470 radios.

Package Contents

- 4 x Motorola Talkabout T470 Radios
- 4 x Rechargeable NiMH 800 mAH Batteries
- 4 x Belt Clips
- 2 x Dual Chargers
- 2 x User Guides
- 32 x Personalized Stickers



Image: Four Motorola Talkabout T470 radios, ready for use.

SETUP

Battery Installation

Your T470 radios come with rechargeable NiMH batteries. To install:

1. Ensure the radio is turned off.
2. Locate the battery compartment cover on the back of the radio.

3. Press down on the latch and slide the cover off.
4. Insert the NiMH battery pack, ensuring the contacts align correctly.
5. Replace the battery compartment cover and slide it until it clicks into place.

Charging the Radios

For optimal performance, fully charge the batteries before first use.

1. Connect the dual charger to a power outlet.
2. Place the radios into the charging cradles. Ensure the charging contacts on the radio align with those on the cradle.
3. The charging indicator light on the radio will illuminate to show it is charging.
4. A full charge typically takes several hours. The radio can receive NOAA weather/emergency alerts even while charging (Quiet Charge feature).

Attaching the Belt Clip

To attach the belt clip:

1. Align the belt clip with the grooves on the back of the radio.
2. Slide the clip downwards until it locks into place.





Image: Side view of two T470 radios with belt clips attached.

OPERATING INSTRUCTIONS

Power On/Off

- To turn on: Rotate the On/Off/Volume knob clockwise until you hear a click and the display illuminates.
- To turn off: Rotate the On/Off/Volume knob counter-clockwise until you hear a click and the display turns off.

Channel Selection

The T470 radios operate on 22 FRS channels.

1. Press the Menu button until the channel number flashes.
2. Use the Up/Down buttons to select your desired channel (1-22).
3. Press the PTT (Push-to-Talk) button or Menu button to confirm your selection.

Privacy Codes (121 Codes)

Privacy codes help reduce interference from other users on the same channel.

1. Press the Menu button twice until the privacy code number flashes.
2. Use the Up/Down buttons to select your desired privacy code (1-121).

3. Press the PTT button or Menu button to confirm. All radios in your group must use the same channel and privacy code to communicate.

Transmitting and Receiving

- To Transmit: Press and hold the PTT button. Speak clearly into the microphone. Release the PTT button when finished speaking.
- To Receive: Ensure the PTT button is not pressed. The radio will automatically receive signals on the selected channel and privacy code.

NOAA Weather Radio & Alerts

Stay informed about weather conditions and emergencies.

- To activate: Press the Weather button (usually marked with a weather icon).
- The radio will scan for active NOAA weather channels.
- The radio can receive weather alerts even when in Quiet Charge mode.

Flashlight Function

The built-in LED flashlight provides convenient illumination.

- To turn on/off: Press the dedicated flashlight button (often located on the side or top of the radio).

Easy Pairing

Quickly set up all radios in your group to the same channel and privacy code.

- On one radio, select the desired channel and privacy code.
- On the other radios, activate the Easy Pairing feature (refer to the radio's display for the specific icon or menu option).
- The radios will automatically synchronize their settings.

MAINTENANCE

Cleaning

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

Battery Care

- Fully charge batteries before long periods of non-use.
- Avoid overcharging or completely draining the batteries frequently to prolong their lifespan.
- If storing for extended periods, remove batteries from the radios.

Storage

- Store radios in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep radios away from dust and moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on	Battery low or not installed correctly	Charge the battery or re-install it correctly.
Cannot transmit or receive	Different channel/privacy code; Out of range; Battery low	Ensure all radios are on the same channel and privacy code. Move closer to other radios. Charge battery.
Poor audio quality	Interference; Out of range; Volume too low	Change channel/privacy code. Move closer. Adjust volume.
Battery not charging	Charger not connected; Radio not seated correctly; Faulty battery/charger	Check charger connection. Re-seat radio in cradle. Try a different radio/charger if available.

SPECIFICATIONS

Feature	Detail
Model Number	MOT-T470
Item Weight	2.78 pounds (for the pack)
Product Dimensions	2 x 1 x 7 inches (per radio)
Batteries	4 AA batteries required (included NiMH rechargeable)
Number of Channels	22 FRS Channels
Privacy Codes	121 Privacy Codes
Special Features	Rechargeable, Built-in Flashlight, NOAA Weather Radio & Alerts, VibraCall Alert, Easy Pairing
Frequency Range	136-174 MHz (FRS)
Talking Range Maximum	Up to 35 miles (under optimal conditions)
Water Resistance Level	IPX4 Weatherproof

WARRANTY AND SUPPORT

Warranty Information

The Motorola Talkabout T470 radios come with a 1-Year Manufacturer Warranty. Please retain your proof of purchase for warranty claims.

Customer Support

For further assistance, technical support, or warranty inquiries, please contact Motorola Solutions customer service.

You can also visit the official Motorola Solutions store on Amazon for more information and resources: [Motorola Solutions Store](#).