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- › [Motorola Solutions](#) /
- › [Motorola Talkabout T460 Two Way Radio User Manual](#)

## Motorola Solutions T460

# Motorola Talkabout T460 Two Way Radio User Manual

Model: T460

## INTRODUCTION

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This manual provides instructions for the proper setup, operation, and maintenance of your Motorola Talkabout T460 Two Way Radio. Please read this manual thoroughly before using your device to ensure optimal performance and safety.

The Motorola Talkabout T460 is designed for reliable communication with features such as IP54 weatherproof rating, 22 channels, 121 privacy codes, and various power options.

## PACKAGE CONTENTS

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The Motorola Talkabout T460 8-Pack includes the following items:

- 8 Motorola T460 2-Way Radios
- 8 NiMH Rechargeable Battery Packs
- 4 Micro USB Wall Charging Cables
- 8 Belt Clips
- 4 User Guides

## SETUP

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### 1. Battery Installation

Your T460 radio can be powered by either the included NiMH rechargeable battery pack or three AA alkaline batteries (not included).

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 or three AA batteries, observing the polarity markings (+/-).
5. Replace the battery compartment cover, ensuring it clicks securely into place.



Figure 1: Battery compartment of the Motorola T460 radio, showing the label with model information and slots for AA batteries.

## 2. Charging the NiMH Battery Pack

The included NiMH battery packs can be charged using the micro-USB wall charging cables. Charging can be done via a standard wall outlet, a vehicle adapter, or a computer USB port.

1. Connect the micro-USB cable to the charging port on the radio.
2. Connect the other end of the cable to a power source (wall adapter, vehicle adapter, or computer).
3. The battery indicator on the radio display will show charging status.
4. A full charge typically takes several hours.

## 3. Attaching the Belt Clip

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

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

To turn the radio on or off, rotate the On/Off/Volume knob clockwise or counter-clockwise until you hear a click.



Figure 2: Top view of the Motorola T460 radio, highlighting the On/Off/Volume knob on the right side.

### 2. Adjusting Volume

Rotate the On/Off/Volume knob to adjust the listening volume.

### 3. Channel Selection

Your T460 radio has 22 channels. Use the **Menu** button and the **Up/Down** buttons to select a channel.

### 4. Privacy Codes

The radio supports 121 privacy codes per channel, totaling 2,662 combinations. This helps reduce interference from other users. To set a privacy code, enter the menu and navigate to the privacy code setting for the selected channel.

### 5. Transmitting and Receiving

- **To Transmit:** Press and hold the Push-to-Talk (PTT) button located on the side of the radio. Speak clearly into the microphone. Release the PTT button to listen.
- **To Receive:** Ensure the PTT button is not pressed. The radio will automatically receive transmissions on the selected channel and privacy code.



**Figure 3:** Bottom view of the Motorola T460 radio, displaying the 'Talkabout' branding. The PTT button is on the side, not visible in this view.

## 6. PTT Power Boost

The PTT power boost feature allows you to temporarily increase the transmitter power output to extend transmission range when needed. This feature also helps conserve battery life when maximum range is not required.

## 7. iVOX/VOX (Hands-Free Communication)

The iVOX/VOX feature enables hands-free communication by detecting your voice and automatically transmitting. This is useful when your hands are occupied. Refer to the radio's on-screen menu for activation and sensitivity settings.

## 8. VibraCall™ Alert

Activate the VibraCall feature for silent alerts in situations where an audible ring tone might be disruptive.

## 9. Call Tones

Customize your radio's call tone by selecting from the available options in the menu settings.

## 10. Weather Alert and NOAA Weather Radio

The T460 can receive real-time weather conditions and alerts. Turn on the weather channel or enable weather alerts to stay informed. *Note: NOAA radio service availability may vary by region. Consult your local weather office for details.*

## 11. Emergency Alert Button

In an emergency, press the dedicated emergency alert button. The radio will transmit an alert siren followed by spoken or incidental sounds, signaling distress to other radios within range.

## 12. Built-in LED Flashlight

Activate the integrated LED flashlight for illumination during low-light conditions or emergencies.

## MAINTENANCE

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## 1. Battery Care

- Always use genuine Motorola NiMH battery packs or recommended AA alkaline batteries.
- Charge NiMH batteries fully before first use.
- Do not overcharge or leave batteries discharged for extended periods.
- Remove batteries if the radio will not be used for a long time.

## 2. Cleaning

Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charging port cover is securely closed to maintain the IP54 weatherproof rating.

## 3. Weatherproofing

The T460 radio has an IP54 weatherproof rating, meaning it is protected against dust and splashing water from any direction. While it can withstand rain and snow, it is not designed for submersion. Ensure all port covers are sealed to maintain water resistance.

## TROUBLESHOOTING

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Problem	Possible Solution
Radio does not turn on.	<ul style="list-style-type: none"><li>• Check battery installation and polarity.</li><li>• Ensure batteries are charged or replace with fresh AA batteries.</li><li>• Verify the On/Off/Volume knob is rotated clockwise.</li></ul>
Cannot transmit or receive.	<ul style="list-style-type: none"><li>• Ensure radios are on the same channel and privacy code.</li><li>• Check battery level; low batteries can affect transmission power.</li><li>• Ensure you are within range of the other radio.</li><li>• Verify the PTT button is fully pressed when transmitting.</li></ul>
Poor audio quality.	<ul style="list-style-type: none"><li>• Adjust the volume.</li><li>• Ensure you are within optimal range.</li><li>• Check for obstructions between radios.</li><li>• Verify the microphone and speaker are clear of debris.</li></ul>
Battery life is short.	<ul style="list-style-type: none"><li>• Ensure NiMH batteries are fully charged.</li><li>• Consider replacing old NiMH battery packs.</li><li>• Reduce use of PTT Power Boost if not necessary.</li><li>• Ensure AA batteries are fresh.</li></ul>

## SPECIFICATIONS

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<b>Model</b>	T460
<b>Channels</b>	22 FRS Channels
<b>Privacy Codes</b>	121 (CTCSS/DCS)
<b>Weather Resistance</b>	IP54 Weatherproof
<b>Battery Type</b>	NiMH Rechargeable Pack (included) or 3 AA Alkaline Batteries (not included)
<b>Battery Life (Approx.)</b>	Up to 10 hours (NiMH), Up to 26 hours (AA)
<b>Voltage</b>	9 Volts
<b>Display Type</b>	LED
<b>Special Features</b>	Weather Alert, Emergency Alert, iVOX/VOX, VibraCall, LED Flashlight, PTT Power Boost
<b>Item Weight (8-pack)</b>	5.52 pounds
<b>Package Dimensions (8-pack)</b>	10.63 x 9.96 x 9.84 inches

## WARRANTY INFORMATION

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The Motorola Talkabout T460 Two Way Radio comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For full warranty terms and conditions, please refer to the separate warranty document included with your product or visit the official Motorola Solutions website.

## SUPPORT

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For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact Motorola Solutions customer support.

- **Online Support:** Visit the official Motorola Solutions website for FAQs and support resources.
- **Telephone Support:** Refer to the contact information provided in your product packaging or on the official website.