

Motorola Solutions T200TP

Motorola Solutions T200TP Talkabout Two-Way Radios Instruction Manual

Model: T200TP

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Motorola Solutions T200TP Talkabout Two-Way Radios. Please read this guide thoroughly before using your radios to ensure optimal performance and safety.



Image: Three Motorola T200TP Talkabout two-way radios.

PACKAGE CONTENTS

Your Motorola Solutions T200TP package includes the following items:

- 3 Radios
- 3 Belt Clips
- 3 (AA) NiMH Rechargeable Battery Packs
- 1 "Y" Cable Charging Adapter with dual micro USB connector
- 1 Charging Cable
- 1 User Guide (this document)



Image: Illustration of three radios, indicating a multi-pack.

SETUP

1. Battery Installation

Your T200TP radios can operate using either the included NiMH rechargeable battery packs or three standard AA batteries (not included). To install batteries:

1. Ensure the radio is powered off.
2. Locate the battery compartment cover on the back of the radio.
3. Remove the battery compartment cover.
4. Insert the NiMH battery pack or three AA batteries, observing the correct polarity (+/-) as indicated inside the compartment.
5. Replace the battery compartment cover, ensuring it clicks securely into place.



Image: Battery icon, indicating rechargeable battery functionality.

2. Charging the Radios

To charge the NiMH rechargeable battery packs:

1. Connect the "Y" cable charging adapter to a power source.
2. Plug the dual micro USB connectors into the charging ports located on the side of each radio.
3. Allow sufficient time for the batteries to fully charge. The charging indicator on the radio's display will show charging status.

Note: For optimal battery life, ensure radios are turned off during charging. A full charge may take several hours.



Image: Charging cable icon.

3. Attaching the Belt Clip

The included belt clips allow for convenient carrying of your radios. To attach a belt clip, align the clip with the designated slots on the back of the radio and slide it down until it locks into place.

OPERATION

1. Power On/Off

To power on the radio, press and hold the **Power** button until the display illuminates. To power off, press and hold the **Power** button again until the display turns off.

2. Channel Selection

Your T200TP radios feature 22 channels. To select a channel:

1. Press the **Menu** button. The channel number will flash.
2. Use the **+** or **-** buttons to scroll through the available channels.
3. Press the **Menu** button again to confirm your selection.



Image: Icon indicating 22 available channels.

3. Privacy Codes

The radios offer 121 privacy codes, creating a total of 2,662 combinations to help ensure clear communication. To set a privacy code:

1. After selecting a channel, press the **Menu** button twice. The privacy code will flash.
2. Use the **+** or **-** buttons to select a privacy code.
3. Press the **Menu** button again to confirm. All radios in your group must be set to the same channel and privacy code to communicate.

4. Transmitting and Receiving

To transmit a message, 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 for a response.

5. Hands-Free Communication

The T200TP series features an accessory connector, allowing for the use of an audio accessory headset (sold separately). This enables hands-free operation, clearer reception in noisy environments, and discreet communication without removing the radio from your belt or carrying case.

6. Communication Range

The communication range is up to 20 miles under optimum, unobstructed line-of-sight conditions. Actual range will vary significantly based on terrain, weather conditions, electromagnetic interference, and obstructions. For example, range may be up to 20 miles in mountain-to-valley scenarios, up to 5 miles on open water, and up to 1 mile in a neighborhood with obstructions.



Image: Diagram showing typical communication ranges in various environments.

7. Monitor Function

The monitor function allows you to listen for weak signals on the current channel. Press the **MON** button to activate or deactivate this feature.

MAINTENANCE

Battery Care

To prolong the life of your NiMH rechargeable battery packs:

- Fully charge new battery packs before first use.
- Avoid overcharging or completely draining the batteries frequently.
- Store radios and batteries in a cool, dry place when not in use.
- If a battery pack fails or shows reduced performance, it can be replaced by accessing the battery compartment.

Cleaning

Clean the radio's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the charging port cover is closed when not charging to prevent dust and moisture ingress.

TROUBLESHOOTING

No Power

- Check if the batteries are correctly installed and fully charged.
- If using AA batteries, ensure they are fresh.

Poor Range or Communication

- Verify that all radios are on the same channel and privacy code.
- Move to an area with fewer obstructions (e.g., buildings, dense foliage).
- Check for sources of electromagnetic interference.
- Ensure batteries are adequately charged.

Short Battery Life

- Ensure batteries are fully charged before use.
- NiMH batteries may degrade over time and require replacement.

- Consider using high-quality AA batteries if not using the rechargeable pack.

SPECIFICATIONS

Feature	Detail
Product Dimensions	6.42 x 2.13 x 1.24 inches
Item Weight	6.4 ounces
Item Model Number	T200TP
Batteries	3 AA batteries required (included NiMH rechargeable packs)
Display Type	LCD
Frequency	9.31 KHz
Special Features	Long Range
Other Display Features	Wireless
Color	Grey
Manufacturer	Motorola Solutions
Date First Available	April 1, 2016
Number of Channels	22
Frequency Range	20 mile (maximum)
Talking Range Maximum	20 Miles
Water Resistance Level	Not Water Resistant

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Motorola Solutions website or contact their customer service department. Specific warranty terms and conditions may vary by region and purchase date.