

**Motorola Solutions T605**

# Motorola Talkabout T605 Two-Way Radio Instruction Manual

Brand: Motorola Solutions | Model: T605

## INTRODUCTION

The Motorola Talkabout T605 H2O two-way radio is designed for reliable communication in outdoor environments. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your T605 radio to ensure optimal performance during your adventures. Key features include IP67 waterproof design, emergency functions, a built-in flashlight with white and red LEDs, 22 channels with 121 privacy codes, NOAA weather alerts, and compatibility with other FRS/GMRS radios.





Figure 1: Front view of the Motorola Talkabout T605 Two-Way Radio.

## SETUP

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### 1. Battery Installation

The T605 radio supports dual power options: a rechargeable NiMH battery pack (included) or 2 AA alkaline batteries (included). Ensure the radio is powered off before installing or replacing batteries.

1. Locate the battery compartment cover on the back of the radio.
2. Press down on the latch and slide the cover off.
3. Insert the rechargeable NiMH battery pack, ensuring the contacts align correctly, or insert 2 AA alkaline batteries according to the polarity markings (+/-).
4. Replace the battery compartment cover and slide it until it clicks securely into place.



Figure 2: Battery compartment with rechargeable NiMH battery pack.

## 2. Charging the Batteries

The T605 radio can be charged via its micro-USB port. A charging cable is included.

1. Locate the micro-USB charging port on the side of the radio, typically protected by a rubber flap.
2. Open the rubber flap and insert the micro-USB connector into the port.
3. Connect the other end of the USB cable to a compatible USB power source (e.g., wall adapter, computer USB port).
4. The battery indicator on the radio's display will show charging status.
5. Once fully charged, disconnect the cable and close the rubber flap to maintain water resistance.





## OPERATING INSTRUCTIONS

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### 1. Power On/Off

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

### 2. Adjusting Volume

- Rotate the On/Off/Volume knob clockwise to increase volume and counter-clockwise to decrease volume.

### 3. Selecting Channels and Privacy Codes

The T605 has 22 channels and 121 privacy codes. To communicate with another radio, both radios must be set to the same channel and privacy code.

1. Press the **Menu** button until the channel number flashes.
2. Use the + or - buttons to select the desired channel (1-22).
3. Press the **Menu** button again until the privacy code flashes.
4. Use the + or - buttons to select the desired privacy code (0-121).
5. Press the **Menu** button or wait for 3 seconds to confirm your selection.

### 4. Transmitting and Receiving (PTT)

- To transmit: Press and hold the **Push-to-Talk (PTT)** button 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.

### 5. Using the Flashlight

The T605 features a built-in flashlight with both white and red LED options.

- To activate the white LED: Press the dedicated flashlight button (usually on the top or side).
- To switch to red LED (for night vision preservation): Press the flashlight button again.
- To turn off: Press the flashlight button a third time.
- The flashlight also has a water-activated feature, which can be useful if the radio is dropped in water.



Figure 4: T605 radio showing the red LED flashlight.

## 6. NOAA Weather Alerts

Stay informed about real-time weather conditions by accessing NOAA weather channels and alerts.

1. Press the **Menu** button repeatedly until the weather channel icon appears.
2. Use the + or - buttons to select one of the 11 available weather channels.

3. To enable weather alerts, navigate to the alert setting in the menu and activate it. The radio will then alert you to severe weather conditions.

## 7. Keypad Lock

The keypad lock prevents accidental changes to your radio settings.

- To lock the keypad: Press and hold the **Menu** button until the lock icon appears on the display.
- To unlock the keypad: Press and hold the **Menu** button again until the lock icon disappears.

## FEATURES

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- **IP67 Waterproof:** The T605 H2O is designed to withstand immersion in up to 1 meter of water for 30 minutes. It also floats, and the water-activated flashlight helps locate it if dropped in water.
- **Advanced Built-in Flashlight:** Features both white and red LEDs. The white LED provides general illumination, while the red LED helps preserve night vision. It can also activate automatically when submerged in water.
- **22 Channels Each with 121 Privacy Codes:** Offers 2,662 unique channel combinations, making it easier to find a clear channel for private communication.
- **NOAA Weather Channels and Alerts:** Provides access to 11 NOAA weather channels for real-time weather updates and alerts, crucial for outdoor safety.
- **Compatible with Any Radio:** Allows communication with other FRS/GMRS radios regardless of brand, provided they are on the same channel and privacy code.
- **Dual Power:** Operates with either the included rechargeable NiMH battery pack (up to 9 hours battery life) or 2 AA alkaline batteries (up to 23 hours battery life).
- **VibraCall Feature:** Provides a silent alert in situations where an audible ring might be intrusive.
- **Keypad Lock:** Prevents accidental changes to your personalized settings.



Figure 5: The T605 radio's waterproof and floating capabilities in action.

## MAINTENANCE

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### 1. Cleaning the Radio

- Wipe the radio's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the battery compartment and charging port covers are clean and free of debris to maintain water resistance.

### 2. Battery Care

- For rechargeable NiMH batteries, fully charge them before first use and after extended storage.
- If storing the radio for long periods, remove alkaline batteries to prevent leakage.
- Dispose of batteries responsibly according to local regulations.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution

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No power	Low or dead batteries; Incorrect battery installation.	Charge or replace batteries; Reinstall batteries correctly.
Cannot communicate with other radios	Different channel/privacy code; Out of range; Obstructions.	Ensure all radios are on the same channel and privacy code; Move closer to other radios; Move to an area with fewer obstructions.
Poor audio quality	Weak signal; Obstructions; Low battery.	Move to an open area; Charge or replace batteries.
Keypad is unresponsive	Keypad lock is active.	Press and hold the <b>Menu</b> button to unlock the keypad.

## SPECIFICATIONS

- **Model:** T605
- **Brand:** Motorola Solutions
- **Water Resistance Level:** IP67 Waterproof
- **Number of Channels:** 22 FRS/GMRS Channels
- **Privacy Codes:** 121
- **Frequency Range:** 450-470 MHz
- **Talking Range Maximum:** Up to 35 Miles (actual range varies by terrain and conditions)
- **Power Source:** 2 AA batteries (included) or Rechargeable NiMH battery pack (included)
- **Battery Life (Alkaline):** Up to 23 hours
- **Battery Life (Rechargeable NiMH):** Up to 9 hours
- **Special Features:** Keypad Lock, Built-in Flashlight (White/Red LED, Water-activated), NOAA Weather Alerts, VibraCall
- **Product Dimensions:** 7.8"D x 2.4"W x 1.5"H
- **Item Weight:** 14.37 pounds (per 12-pack)

## OFFICIAL PRODUCT VIDEO



Video 1: An overview of the Motorola T605 Talkabout Walkie Talkies, highlighting their features and benefits for outdoor use. This video is provided by the seller.

## WARRANTY AND SUPPORT

The Motorola Talkabout T605 Two-Way Radio is covered by a manufacturer's warranty. For specific warranty details, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Motorola Solutions website.