

Motorola Solutions T605

Motorola Solutions T605 Talkabout Two-Way Radios Instruction Manual

Brand: Motorola Solutions

Model: T605

INTRODUCTION

The Motorola Solutions T605 H2O two-way radios are designed to keep you connected during your outdoor adventures, whether on land or at sea. With a rugged, fully waterproof design, emergency features, and an extended range, these radios provide reliable communication in various conditions. This manual provides comprehensive instructions for setting up, operating, and maintaining your T605 radios.



Figure 1: Motorola T605 Talkabout Two-Way Radios and included accessories.

SETUP

What's in the Box

- 2 Radios
- 2 Whistle Belt Clips
- 2 NiMH Battery Packs
- 1 PSU with "Y" Cable Charging Adapter/dual micro-USB connectors
- 1 User Guide
- 1 Accessory Brochure
- 1 Car Charger
- 1 Carry Case

Battery Installation

The T605 radios come with rechargeable NiMH battery packs. To install, locate the battery compartment on the back of the radio. Use a coin or a flat-head screwdriver to open and tighten the two screws securing the battery compartment cover. Insert the NiMH battery pack, ensuring proper polarity. Close the cover and securely tighten the screws to maintain the waterproof seal. The radios can also operate using 3 AA alkaline batteries (not included) as an alternative

power source.





Figure 2: Side view of the radio showing the belt clip attachment point.

Charging the Batteries

Before first use, fully charge the NiMH battery packs. The included PSU with a "Y" cable allows you to charge both radios simultaneously using the dual micro-USB connectors. Connect the micro-USB ends to the charging ports on the radios (Figure 3) and the USB end to the PSU. Plug the PSU into a standard wall outlet. For on-the-go charging, use the 12V car charger with two USB ports.

It is recommended to charge the radios at least every three months to maintain battery health, even if not in regular use.





Figure 3: Micro-USB charging port on the side of the radio.

Your browser does not support the video tag.

Video 1: Overview of the Motorola T605 Talkabout 2-Pack Bundle, including charging accessories.

OPERATING INSTRUCTIONS

Power On/Off and Volume

Press and hold the Power/Mode button to turn the radio on or off. Use the Up (+) and Down (-) buttons to adjust the volume. Note that the volume is on a digital scale from 0 to 5. If you experience low volume after submersion, try unplugging and re-plugging the charging port to equalize internal pressure, which can sometimes affect speaker volume.

Channels and Privacy Codes

The T605 features 22 channels and 121 privacy codes, offering 2,662 combinations to help you find a clear channel for communication. To communicate with other FRS radios, ensure you are on the same channel and privacy code.

Built-in Flashlight

The radio includes an advanced built-in flashlight with both white and red LEDs. The white LED is useful for general illumination, while the red LED helps preserve night vision. The flashlight is water-activated, meaning it will automatically turn on if the radio is dropped in water, aiding in retrieval.



Figure 4: The T605 radio with its powerful built-in flashlight activated.

NOAA Weather Channels and Alerts

Stay informed about real-time weather conditions by tuning into one of the 11 weather channels or initiating weather alerts. This feature is crucial for emergency preparedness during outdoor activities. Note that NOAA radio service availability may vary by area.

iVOX/VOX Hands-Free Operation

The iVOX/VOX feature allows for hands-free communication. When activated, the radio transmits when it detects your voice, eliminating the need to press the Push-to-Talk (PTT) button. This is ideal for activities where your hands are occupied, such as kayaking or hiking.

Emergency Alert Button

In an emergency, press and hold the dedicated emergency alert button. This will activate an audible alert on all radios within range, signaling distress and maximizing volume on receiving radios to ensure the alert is heard.



Figure 5: Top view of the radio highlighting the emergency alert button.

FEATURES OVERVIEW

- **IP67 Waterproof:** Withstands constant submersion of up to 1m for 30 minutes and repels the heaviest rain.
- **Advanced Built-in Flashlight with White and Red LEDs:** Provides illumination for various situations, including night vision preservation.
- **NOAA Weather Channels:** Keep updated with real-time weather conditions and alerts.
- **22 Channels with 121 Privacy Codes:** Offers 2,662 combinations for clear and private communication.
- **Compatible with Any Radio:** Communicate with other FRS radios regardless of brand by being on the same channel and privacy codes.
- **Easy to Retrieve Design:** Floats face up when dropped in water, and the water-activated flashlight aids in recovery.
- **Whistle Belt Clips:** Included for additional emergency signaling.

MAINTENANCE

Waterproof Care

To maintain the IP67 waterproof rating, ensure the battery compartment cover is securely fastened with both screws tightened. Always ensure the micro-USB charging port cover is firmly closed when not charging. If the radio has been submerged, dry it thoroughly before opening any compartments or charging.

Battery Care

For optimal battery life, fully charge the NiMH battery packs before initial use and at least every three months. Avoid completely draining the batteries frequently, as this can reduce their overall lifespan. If using AA alkaline batteries, replace them when the low battery indicator appears.

TROUBLESHOOTING

Limited Range

The communication range is highly dependent on terrain and conditions. Obstructions such as buildings, dense foliage, or mountainous terrain can significantly reduce range. For optimal range, use the radios in open areas with a clear line of sight. Electromagnetic interference can also affect performance.

Audio Issues (Low Volume/Static)

- Ensure both radios are on the same channel and privacy code.
- Adjust the volume level using the Up (+) button.
- If the radio has been submerged, unplug and re-plug the charging port to equalize internal pressure, which can sometimes affect speaker volume.
- Move to an area with fewer obstructions or less electromagnetic interference.

Radio Not Powering On

- Check battery levels and ensure batteries are properly installed.
- Charge the NiMH battery packs fully.
- If using AA alkaline batteries, ensure they are fresh and correctly inserted.

SPECIFICATIONS

Feature	Specification
Product Dimensions	9.9 x 9.3 x 3 inches
Item Weight	8.6 ounces (0.54 Pounds)
Item Model Number	T605
Batteries	3 AA batteries required (included NiMH packs)
Color	Green
Number of Channels	22
Talking Range Maximum	35 Miles (optimal conditions)
Water Resistance Level	IP67 Waterproof
Tuner Technology	UHF

Feature	Specification
Manufacturer	Motorola Solutions
Date First Available	April 1, 2016

WARRANTY AND SUPPORT

For detailed warranty information and further support, please refer to the official user guide provided with your product. A digital version of the user guide is also available for download:

[Download User Guide \(PDF\)](#)

You can also visit the official Motorola Solutions store on Amazon for additional product information and support:

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