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**Motorola RMU2040**

# Motorola RMU2040 Two-Way Radio Walkie Talkie Instruction Manual

Model: RMU2040

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your Motorola RMU2040 Two-Way Radio Walkie Talkie. Please read this manual thoroughly before using the device to ensure optimal performance and to prevent damage.



Figure 1: Motorola RMU2040 Two-Way Radio Walkie Talkie with belt clip.

## 2. PACKAGE CONTENTS

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Your Motorola RMU2040 package includes:

- Motorola RMU2040 Two-Way Radio (4 units)
- Single-unit charger for each radio
- 15-hour Lithium-Ion battery for each radio
- Swivel belt holster for each radio



*Figure 2: Included accessories: single-unit charger, Lithium-Ion battery, and swivel belt holster.*

## **3. SETUP**

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### **3.1. Battery Installation**

1. Ensure the radio is powered off.
2. Align the battery with the battery compartment on the back of the radio.
3. Gently push the battery into place until it clicks securely.

### **3.2. Charging the Battery**

1. Place the radio with the installed battery into the single-unit charger.
2. Connect the charger to a power outlet.
3. The charging indicator light on the charger will illuminate to show charging status. A full charge typically takes several hours.

### **3.3. Attaching the Belt Holster**

1. Slide the radio into the swivel belt holster until it locks into place.
2. Attach the holster to your belt or clothing for convenient carrying.

## **4. OPERATING INSTRUCTIONS**

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### **4.1. Power On/Off and Volume Control**





Figure 3: Top view of the radio with power/volume and channel knobs.

1. To power on the radio, rotate the On/Off/Volume knob (leftmost knob on top) clockwise until you hear a click.
2. Continue rotating the knob to adjust the volume to your desired level.
3. To power off, rotate the knob counter-clockwise until it clicks off.

## 4.2. Channel Selection



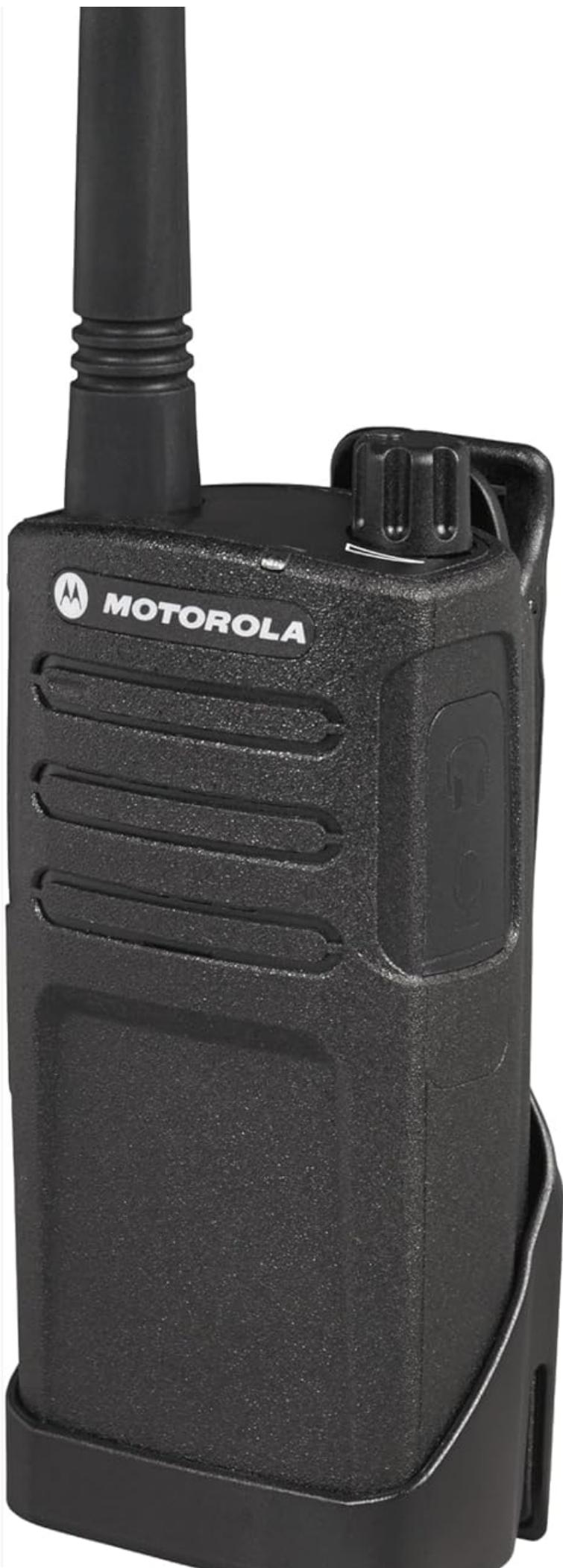


Figure 4: Front view of the radio, showing the display and control buttons.

1. Rotate the Channel Selector knob (rightmost knob on top) to choose one of the available channels.
2. The RMU2040 supports 4 channels, with 2 activated out of the box.

#### 4.3. Transmitting and Receiving





Figure 5: Side view of the radio, highlighting the Push-to-Talk (PTT) button.

1. To transmit, press and hold the Push-to-Talk (PTT) button located on the side of the radio. Speak clearly into the microphone.
2. Release the PTT button to stop transmitting and listen for a response.
3. Ensure you are on the same channel as the person you wish to communicate with.

#### 4.4. Earpiece Connection

The radio features a port for connecting an earpiece for private communication. This port is typically located on the side of the radio, covered by a protective flap.



Figure 6: User demonstrating proper radio usage in a work environment.

### 5. FEATURES

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- **Power Output:** 2-watt, covering up to 20 floors or 250,000 square feet.
- **Channels:** 4 communication groups total, with 2 channels activated by default.
- **Frequency:** Set to factory default UHF frequencies, suitable for both indoor and outdoor use.
- **Battery Life:** Equipped with a 15-hour Lithium-Ion battery.
- **Durability:** Designed as a reliable, simple, heavy-duty radio.
- **Water Resistance:** Water Resistant.

## 6. MAINTENANCE

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- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:** Fully charge batteries before first use. Store radios and batteries in a cool, dry place when not in use for extended periods.
- **Antenna:** Do not bend or force the antenna, as this can affect signal quality.

## 7. TROUBLESHOOTING

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### 7.1. No Power

- Ensure the battery is properly installed and fully charged.
- Check that the On/Off/Volume knob is rotated clockwise past the click.

### 7.2. Cannot Transmit or Receive

- Verify that both radios are on the same channel.
- Ensure the PTT button is fully pressed when transmitting.
- Check the radio's range; obstacles and distance can affect communication. The maximum talking range is 36 miles in optimal conditions.

### 7.3. Poor Audio Quality

- Adjust the volume knob.
- Ensure the microphone and speaker are not obstructed.
- Move to an area with fewer obstructions or closer to the other radio.

## 8. SPECIFICATIONS

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Specification	Value
Item Weight	8.6 ounces (0.54 Pounds)
Product Dimensions	7.38 x 1.5 x 2.25 inches
Item Model Number	SG_B012B7J2FS_US
Batteries	4 Lithium Ion batteries required (included)
Brand	Motorola
Color	Black
Number of Channels	4
Special Feature	UHF
Frequency Range	450-512Mhz

Talking Range Maximum	36 Mile
Voltage	3.7 Volts
Water Resistance Level	Water Resistant

## 9. WARRANTY AND SUPPORT

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Your Motorola RMU2040 Two-Way Radio comes with a **2 Year Manufacturer Replacement Warranty**. For warranty claims or technical support, please contact an authorized Motorola dealer or refer to the official Motorola support channels.

**Legal Disclaimer: Motorola Recommends Only Purchasing From An Authorized Dealer.**

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