

MIRKIT UV 5R MK5

Mirkit Baofeng UV-5R MK5 Walkie Talkie User Manual

Model: UV-5R MK5 | Brand: MIRKIT

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Mirkit Baofeng UV-5R MK5 8W Max Power Walkie Talkie. This device is designed for reliable two-way communication across VHF/UHF frequencies, offering extended battery life and various advanced features. Please read this manual thoroughly before operating the device to ensure safe and efficient use.



Figure 1: Mirkit Baofeng UV-5R MK5 radio and included accessories.

2. WHAT'S IN THE BOX

Your Mirkit Baofeng UV-5R MK5 Extended Kit includes the following components:

- Baofeng Radio UV-5R MK5
- Additional 3800mAh BL-5L Lithium-Ion Battery
- Standard 1800mAh BL-5 Lithium-Ion Battery
- USB Charger Cable
- Handheld Speaker Microphone
- Programming Cable
- Mirkit Lanyard



Figure 2: All components included in the Extended Kit.

3. PRODUCT FEATURES

The Mirkit Baofeng UV-5R MK5 radio is equipped with several features designed for enhanced communication and user convenience:

- **8W Max Power Output:** Provides strong signal transmission for extended range.
- **VHF/UHF Dual Frequency:** Operates across 144-148 MHz (VHF) and 420-450 MHz (UHF) bands.
- **Extended Battery Life:** Includes both 1800mAh and 3800mAh batteries for prolonged operation, up to 5 days with the larger battery.
- **Handheld Speaker Microphone:** Allows for hands-free communication, ideal for various activities.
- **Programming Cable and Software:** Enables customization of frequencies and settings.
- **FCC Part 15 Part 97 Certified:** Complies with relevant regulatory standards.
- **Special Firmware:** Equipped with Mirkit Channelist firmware for optimized performance.
- **Emergency Alarm:** For critical situations.

- **Keypad Lock:** Prevents accidental input.
- **FM Radio:** Built-in FM radio receiver.
- **Dual Frequency Display:** Shows two frequencies simultaneously.
- **VOX Function:** Voice-activated transmission.
- **LED Flashlight:** Integrated for convenience.



Figure 3: Key functional areas of the radio.



Figure 4: Ergonomic design and power features.

4. SETUP

4.1 Battery Installation

To install the battery, align the battery pack with the grooves on the back of the radio. Slide the battery upwards until it clicks into place. To remove, press the release latch at the bottom of the battery and slide it downwards.

4.2 Antenna Installation

Screw the antenna clockwise onto the connector at the top of the radio until it is finger-tight. Do not overtighten.

4.3 Speaker Microphone Connection

Connect the handheld speaker microphone to the accessory jack on the side of the radio. Ensure the plugs are fully inserted for proper connection.



Figure 5: Connecting the handheld speaker microphone.

4.4 Programming Cable Usage

The included programming cable allows you to connect your radio to a computer for advanced configuration using compatible software. Install the necessary drivers and software on your computer, then connect the cable to the radio's accessory jack and a USB port on your computer. Follow the software instructions for programming frequencies and settings.



Figure 6: Using the FTDI programming cable.

4.5 Lanyard Attachment

Attach the Mirkit lanyard to the designated loop on the radio for secure carrying and to prevent accidental drops.



Figure 7: Attaching the Mirkit lanyard.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Control

To power on the radio, rotate the volume knob clockwise until you hear a click. Continue rotating to increase the volume. To power off, rotate the knob counter-clockwise until it clicks.

5.2 Channel/Frequency Selection

Use the UP/DOWN arrow keys on the keypad to scroll through channels or frequencies. Alternatively, you can directly input a frequency using the numeric keypad.

5.3 Transmit (PTT)

To transmit, press and hold the Push-To-Talk (PTT) button located on the left side of the radio. Speak clearly into the microphone. Release the PTT button to receive.

5.4 FM Radio Function

Press the 'FM' button (often labeled 'F') to activate the FM radio. Use the arrow keys to tune to desired FM stations.

5.5 VOX Function

The Voice Operated Exchange (VOX) function allows for hands-free transmission. When VOX is enabled, the radio will automatically transmit when it detects your voice. Refer to the radio's menu for VOX sensitivity settings.

5.6 Keypad Lock

To prevent accidental key presses, press and hold the '#' key to lock or unlock the keypad.

5.7 Emergency Alarm

The radio features an emergency alarm function. Consult the radio's internal menu or specific key combinations for activation and deactivation, as this may vary based on firmware.

6. MAINTENANCE

6.1 Battery Charging

Charge the BL-5L 3800mAh battery using the provided USB charger cable. It can be charged from various sources such as a solar panel, computer, car charger, or any standard USB slot. Ensure the radio is off during charging for optimal battery life.

Extended working time

Charge your BL-5 battery
from a solar panel, computer, car or any USB slot



Figure 8: Charging the extended battery.

6.2 Cleaning

Clean the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are dry before use.

6.3 Storage

Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.

7. TROUBLESHOOTING

- **No Power:** Check battery installation and charge level. Ensure the volume knob is turned on.
- **Cannot Transmit/Receive:** Verify antenna is securely attached. Check frequency/channel settings. Ensure PTT button is fully pressed.
- **Poor Audio Quality:** Check volume level. Ensure speaker mic is properly connected.
- **Keypad Unresponsive:** Check if keypad lock is enabled (press and hold '#' to unlock).

8. SPECIFICATIONS

Feature	Specification
Model Number	UV 5R MK5
Item Weight	10.6 ounces
Package Dimensions	7.2 x 5.98 x 4.57 inches
Batteries	1 Lithium Ion battery required (included)
Color	Black

Feature	Specification
Number of Channels	128
Frequency Range	30-450 MHz (VHF/UHF)
Talking Range Maximum	15 Mile
Tuner Technology	VHF
Voltage	7.4 Volts
Water Resistance Level	Water Resistant

9. WARRANTY AND SUPPORT

Mirkit provides a 100% warranty for this product. For any technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Mirkit customer support directly. Refer to the product packaging or the official Mirkit website for contact information.