

## MIRKIT UV-5R MK5

# MIRKIT BAOFENG UV-5R MK5 8W Max Power VHF/UHF Ham Radio User Manual

Model: UV-5R MK5

[Introduction](#)   [What's in the Box](#)   [Product Overview](#)   [Setup](#)   [Operating](#)  
[Instructions](#)   [Maintenance](#)   [Troubleshooting](#)   [Specifications](#)   [Warranty & Support](#)   [FCC Compliance](#)

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your MIRKIT BAOFENG UV-5R MK5 Ham Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

## 2. WHAT'S IN THE BOX

Upon opening the package, verify that all the following items are included:

- MIRKIT BAOFENG UV-5R MK5 Radio Unit
- 1800 mAh Lithium-Ion Battery
- Antenna
- Earphone Mic/Headset
- Belt Clip
- English User Manual
- Power Adapter
- Desktop Charger Cradle
- MIRKIT Lanyard

# What's in the box



Figure 2.1: Package Contents

The image displays the complete contents of the MIRKIT BAOFENG UV-5R MK5 package. This includes the main radio unit, an 1800 mAh battery, a flexible antenna, an earphone with an integrated microphone, a belt clip for portability, the power adapter, a desktop charging cradle, and a MIRKIT branded lanyard. These components are essential for the radio's operation and portability.

## 3. PRODUCT OVERVIEW

The MIRKIT BAOFENG UV-5R MK5 is a third-generation dual-band (VHF/UHF) handheld ham radio designed for reliable communication. It features an 8-watt maximum power output, a durable casing, and a high-gain antenna. The radio supports a wide range of frequencies and includes various functions for enhanced usability.





Figure 3.1: Ergonomic Design and Key Features

This image showcases the ergonomic design of the MIRKIT BAOFENG UV-5R MK5 radio, emphasizing its comfortable grip and user-friendly layout. Key features such as its 8W power output, VHF/UHF dual frequency capability, and the 1800 mAh battery are highlighted, indicating the device's robust performance and extended operational time.

# Excellent Functionality



Figure 3.2: Functional Overview

The image provides a detailed view of the radio's side, illustrating the placement and function of essential controls. It clearly labels the 'CALL' button for initiating calls, the 'PTT' (Push-To-Talk) key for transmitting voice, the 'MONI' button for monitoring channels, and the 'Accessory Jack' for connecting external devices like headsets or programming cables. This view helps users quickly identify and understand the radio's operational buttons.

# Empower your communication!

**High-Quality Battery**  
**True 1800mAh Capacity**



Figure 3.3: High-Capacity Battery

This image presents the rear of the MIRKIT BAOFENG UV-5R MK5 radio alongside its 1800mAh Lithium-Ion battery. The visual highlights the battery's capacity, which is crucial for extended use, and its secure attachment mechanism to the radio unit. The FCC certification details are also visible on the radio's back panel.



# Don't lose it!

A strong and reliable strap helps to secure the radio during activity.



Secure locking

Figure 3.4: Lanyard for Secure Handling

The image displays the MIRKIT BAOFENG UV-5R MK5 radio with an attached MIRKIT branded lanyard. It illustrates how the strong and reliable strap helps secure the radio during activity, preventing accidental drops. A close-up inset shows the secure locking mechanism of the lanyard, ensuring the radio remains safely attached.



Figure 3.5: Product Dimensions

This image presents the MIRKIT BAOFENG UV-5R MK5 radio, including its antenna, alongside fishing equipment to provide a sense of scale. The dimensions are clearly indicated: 10.63 inches in height (with antenna) and 2.09 inches in width, highlighting its compact and portable design suitable for outdoor activities.

## 4. SETUP

### 4.1 Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery upwards until it clicks securely into place.
4. To remove, press the battery release latch (located at the bottom of the battery) and slide the battery downwards.

### 4.2 Antenna Attachment

1. Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.

## 4.3 Charging the Battery

1. Connect the power adapter to the desktop charger cradle.
2. Plug the power adapter into a standard wall outlet.
3. Place the radio (with battery installed) into the charging cradle. The indicator light on the charger will show the charging status (typically red for charging, green for fully charged).
4. A full charge typically takes several hours.

## 5. OPERATING INSTRUCTIONS

---

### 5.1 Power On/Off and Volume Control

- To power on, rotate the volume knob (top-left) clockwise.
- To power off, rotate the volume knob counter-clockwise until it clicks.
- Adjust the volume by rotating the same knob.

### 5.2 Channel Selection and Frequency Range

- The radio operates on VHF (144-148 MHz) and UHF (420-450 MHz) bands.
- Use the **VFO/MR** button to switch between Frequency Mode (VFO) and Channel Mode (MR).
- In Frequency Mode, enter frequencies directly using the keypad.
- In Channel Mode, use the **UP/DOWN** arrow keys to navigate through programmed channels.
- The **A/B** button switches between the upper and lower display frequencies.

### 5.3 Transmit and Receive (PTT)

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

### 5.4 Special Features

- **VOX (Voice Operated Exchange):** Allows hands-free transmission. Activate via the menu.
- **FM Radio:** Press the **FM** button to access the built-in FM radio receiver.
- **LED Flashlight:** Press the **LAMP** button to activate the flashlight.
- **Keypad Lock:** Press and hold the **#** key to lock/unlock the keypad.
- **Emergency Alarm:** Press the **ALARM** button for emergency signaling.
- **Power Settings:** Adjust transmit power (High, Medium, Low) via the menu to conserve battery or extend range.

### 5.5 Programming

The UV-5R MK5 can be programmed manually or via computer software. For advanced programming and channel management, it is recommended to use a programming cable (sold separately) and compatible software like CHIRP. MIRKIT offers a special firmware and channel list upon request to simplify programming.

Your browser does not support the video tag.

Video 5.1: MIRKIT Baofeng MK5 UV-5R 8watt HAM RADIO Overview

This video provides an overview of the MIRKIT Baofeng MK5 UV-5R 8-watt HAM radio, demonstrating its features and basic operation. It serves as a visual guide to understanding the radio's capabilities and handling.

This image illustrates the benefits of the special firmware and channel list offered by MIRKIT. It highlights how this resource provides numerous channels for emergency situations, over 20+ channels for land and sea communication with radio amateurs, and facilitates easier communication with various other radio models. This feature simplifies the setup and expands the utility of the BAOFENG UV-5R MK5 radio.

## 6. MAINTENANCE

---

### 6.1 Battery Care

- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store the battery in a cool, dry place when not in use.
- If the radio will not be used for an extended period, remove the battery.

### 6.2 Cleaning

- Clean the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the accessory jack cover is securely closed to prevent dust and moisture ingress.

## 7. TROUBLESHOOTING

---

If you encounter issues with your MIRKIT BAOFENG UV-5R MK5, consider the following common solutions:

- **No Power:** Check battery installation and charge level. Ensure the volume knob is turned clockwise.
- **Cannot Transmit/Receive:** Verify antenna is securely attached. Check frequency settings and ensure you are on an active channel. Confirm power output setting.
- **Poor Audio Quality:** Adjust volume. Check earpiece/mic connection if used. Ensure you are within range of the other radio.
- **Keypad Unresponsive:** Check if the keypad lock is active (indicated by a key icon on the display). Press and hold the # key to unlock.

For more detailed troubleshooting or advanced issues, refer to online resources and communities dedicated to the BAOFENG UV-5R series, which offer extensive support and guides.

## 8. SPECIFICATIONS

---

Feature	Detail
Brand	MIRKIT
Model Number	UV-5R MK5
Color	Black
Number of Channels	128
Frequency Range	VHF/UHF 144-148 MHz / 420-450 MHz
Talking Range Maximum	15 Miles
Voltage	7.4 Volts
Battery Type	1 Lithium Ion battery (included)

Feature	Detail
Product Dimensions (D x W x H)	1.18"D x 2.09"W x 10.63"H
Special Features	Emergency Alarm, Keypad Lock, FM Radio, Dual Frequency Display, VOX, LED Flashlight
Water Resistance Level	Not Water Resistant
Tuner Type	UHF, VHF
Connectivity Protocol	FM

## 9. WARRANTY AND SUPPORT

---

The MIRKIT BAOFENG UV-5R MK5 comes with a 1-year 100% USA Warranty. For any issues, questions, or support needs, please contact MIRKIT customer service. They provide high-quality support for any concerns that may arise.

Contact information for customer support can typically be found on the product packaging or the official MIRKIT website.

## 10. FCC COMPLIANCE

---

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

FCC ID: 2AJGM-UV5R

Restricted to occupational use to satisfy FCC RF exposure limits. Refer to the user manual for operating requirements. Modification of this device to receive cellular radiotelephone service signals is prohibited under FCC rules and federal law.