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› BAOFENG UV-5R Two Way Radio Instruction Manual

BAOFENG UV-5R

BAOFENG UV-5R Two Way Radio Instruction Manual

Model: UV-5R

Brand: BAOFENG

INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG UV-5R Two Way Radio. Please read this manual thoroughly before using the device to ensure proper function and safety. The BAOFENG UV-5R is a handheld dual-band ham radio designed for reliable communication across various environments.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- BAOFENG UV-5R radio with Antenna (2 units)
- 1800mAh Li-Ion battery (2 units)
- Headset (2 units)
- Desktop charger (2 units)
- Belt clip (2 units)
- Hand strap (2 units)
- English manual (1 unit)



1 x English manual



2 x Battery



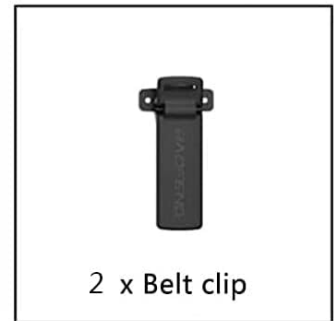
2 x Hand strap



2 x Headset



2 x Desktop charger



2 x Belt clip

2 x BAOFENG UV-5R radio with Antenna

Image: Contents of the BAOFENG UV-5R package. This image displays two UV-5R radios with antennas, two English manuals, two batteries, two hand straps, two headsets, two desktop chargers, and two belt clips, illustrating all included accessories.

PRODUCT OVERVIEW

Familiarize yourself with the various components of the BAOFENG UV-5R radio.



Image: Labeled diagram of the BAOFENG UV-5R radio. Key components such as the antenna, flashlight, power/volume knob, LCD display, VFO/MR button, LED indicator, speaker/microphone port, A/B frequency display switch, and keypad are clearly marked.

- **Antenna:** For transmitting and receiving signals.
- **Flashlight:** Integrated LED light for illumination.
- **Knob (On/Off/Volume):** Rotates to power on/off the radio and adjust volume.
- **LCD Display:** Shows frequency, channel, battery status, and other operational information.
- **VFO/MR Button:** Switches between Frequency Mode (VFO) and Channel Mode (MR).
- **LED Indicator:** Illuminates to indicate transmission (red) or reception (green).
- **SP.&MIC:** Speaker and Microphone port for external audio accessories.
- **A/B Button:** Switches between the upper (A) and lower (B) frequency displays.
- **BAND Button:** Switches between VHF and UHF bands.
- **Keypad:** For manual frequency input, menu navigation, and function activation.
- **MENU Button:** Accesses the radio's menu settings.
- **EXIT Button:** Exits menu or cancels current operation.

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 pack upwards until it clicks into place.
4. To remove, press the battery release latch (usually at the bottom of the battery) and slide the battery downwards.

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.

3. Charging the Battery

1. Place the radio with the battery installed into the desktop charger.
2. Connect the desktop charger to a power outlet.
3. The charger's LED indicator will typically show red during charging and green when fully charged.



Image: Rear view of the BAOFENG UV-5R radio and its detachable Li-Ion battery. The radio's label displays the model number UV-5R and FCC ID: 2AJGM-UV5R. The battery label indicates model BL-5, 1800mAh capacity, and safety warnings.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume

Rotate the top knob clockwise to power on the radio and increase volume. Rotate counter-clockwise to decrease volume and power off.

2. Frequency and Channel Mode (VFO/MR)

Press the VFO/MR button to switch between:

- **Frequency Mode (VFO):** Allows direct frequency input and scanning.
- **Channel Mode (MR):** Allows selection of pre-programmed channels.

3. Selecting Bands (BAND)

Press the **BAND** button to switch between VHF (144-148MHz) and UHF (420-450MHz) frequency bands.

4. Dual Display (A/B)

Press the **A/B** button to select the active frequency display (upper or lower) for transmitting or receiving.

5. Transmitting and Receiving

- 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 receive.

6. VOX Function (Voice Operated Exchange)

The VOX function allows hands-free transmission. When enabled, the radio will transmit automatically when it detects your voice.

1. Press **MENU**.
2. Navigate to the VOX setting (usually menu item 4).
3. Press **MENU** again to select.
4. Use the Up/Down arrows to adjust the VOX sensitivity (0-9 grades, 0 being off).
5. Press **MENU** to confirm, then **EXIT**.

7. LED Flashlight

Press the **MONI** button (side button below PTT) briefly to turn the flashlight on/off. Press and hold for emergency strobe.

8. Emergency Alarm

Press the **ALARM** button (top button above PTT) to activate the emergency alarm function.

PROGRAMMING

The BAOFENG UV-5R can be programmed manually via the keypad or through a computer using a programming cable and software like CHIRP.

- **Manual Programming:** Refer to the detailed instructions in the included English manual for specific steps on setting frequencies, CTCSS/DCS tones, and other parameters directly on the radio.
- **PC Programming (CHIRP Supported):** For advanced programming and managing a large number of channels, it is recommended to use a compatible programming cable and the CHIRP software. This allows for easier management of memory channels, frequencies, and radio settings.

MAINTENANCE

1. Battery Care

- Do not disassemble, crush, or short-circuit the battery.
- Do not dispose of the battery in fire.
- Do not change battery in hazardous location.
- Do not short-circuit the terminals.
- Use specified charger to charge battery pack. Recycle battery pack.

2. Cleaning

- Wipe the radio's surface with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure the radio is dry before use.

3. Storage

- Store the radio in a cool, dry place when not in use.
- Remove the battery if storing for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it properly.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, low battery, or out of range.	Verify frequency/channel, attach antenna, charge battery, or move closer to other radios.
Poor audio quality.	Low signal strength, incorrect squelch level, or damaged speaker/microphone.	Adjust squelch, move to a better location, or check for physical damage.
Keypad is locked.	Keypad lock function is active.	Press and hold the '#' key to unlock the keypad.

SPECIFICATIONS

Model Number	UV-5R
Frequency Range	144-148MHz (VHF), 420-450MHz (UHF)
Number of Channels	128
FCC ID	2AJGM-UV5R
Battery Type	Lithium Ion (1800mAh)
Voltage	7.4 Volts (DC)
Item Weight	1.81 pounds
Product Dimensions	1.2 x 2.1 x 10.2 inches
Display Type	LCD
Water Resistance Level	Not Water Resistant
Manufacturer	Fujian Baofeng Electronics Co., Ltd.



Image: Dimensional diagram of the BAOFENG UV-5R radio. The image illustrates the radio's width (54mm/2.1"), body height (94mm/3.7"), total height with antenna (260mm/10.2"), and depth (30mm/1.2").

SAFETY INFORMATION AND FCC COMPLIANCE

FCC ID: 2AJGM-UV5R

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This

device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Attention: This radio is restricted to occupational use only to satisfy FCC RF exposure compliance. Do not use this device if you are not licensed. Unauthorized modification of this device to serve signals outside of the intended frequency range is prohibited under FCC rules and federal law.

Battery Warnings:

- Do not disassemble.
- Do not dispose of in fire.
- Do not change battery in hazardous location.
- Do not short-circuit the terminals.
- Use specified charger to charge battery pack. Recycle battery pack.

WARRANTY

The BAOFENG UV-5R radio comes with a **90-day warranty** from the date of purchase. This warranty covers manufacturing defects. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

SUPPORT

For further assistance, technical support, or inquiries regarding your BAOFENG UV-5R radio, please refer to the official BAOFENG website or contact your retailer. Additional resources, including programming guides and firmware updates, may be available online.

You can visit the official BAOFENG Store on Amazon for more information: [BAOFENG Store](#)



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This manual is for informational purposes only. Specifications are subject to change without notice.