BAOFENG UV-5R Mini

Baofeng UV-5R Mini Dual Band Radio Instruction Manual

Model: UV-5R Mini

INTRODUCTION

The Baofeng UV-5R Mini is a compact and versatile dual-band two-way radio designed for reliable communication. Featuring 999 channels, Bluetooth APP programming, NOAA weather alerts, and convenient USB-C charging, this radio is suitable for various outdoor activities and emergency preparedness. This manual provides detailed instructions for setting up, operating, and maintaining your device.

PRODUCT OVERVIEW

Image: A pair of Baofeng UV-5R Mini radios shown with various accessories including antennas, batteries, charging cables, lanyards, and earpieces.

Key Features

- **Bluetooth APP Wireless Frequency Writing:** Program your radio directly from your iOS or Android device via Bluetooth. Batch modify frequencies, sub-tone codes, and power settings.

- **999 Channel Massive Storage:** Supports extensive channel storage, allowing for customized settings per channel including transmission/reception frequency, CTCSS/DCS privacy sub-tone code, and transmitting power (5W/2W).

- **NOAA Weather Warning:** Receive real-time disaster warnings from official meteorological stations (162.400 – 163.275MHz frequency band). Features one-click frequency scanning to automatically capture the strongest weather signal.

- **Dual Frequency Dual Display Dual Standby:** Independent monitoring of VHF (144-148MHz) and UHF (420-450MHz) bands with automatic active channel switching.

- **Type-C Fast Charging:** Equipped with a 1600mAh lithium battery that supports direct USB-C charging, allowing for charging via power bank or car adapter.

- **Adjustable High and Low Power:** Flexible adjustment of power settings (5W/2W) for energy efficiency and

extended battery life.

- **LED Flashlight:** Integrated LED flashlight for use in dark environments.

COMPONENTS AND CONTROLS

Image: A detailed diagram labeling the various buttons and features of the Baofeng UV-5R Mini radio, including antenna, flashlight, PTT-A, PTT-B, radio buttons, V/M key, A/B key, keypad, volume knob/switch, LCD display screen, headphone jack, and Type-C interface.

Front Panel

- **LCD Display Screen:** Shows frequency, channel number, battery status, and other operational information.
- **Keypad:** Numeric keys for direct frequency input and function keys (MENU, V/M, A/B, EXIT).
- **V/M Key:** Switches between Frequency (VFO) mode and Channel (Memory) mode.
- **A/B Key:** Selects the upper or lower display for active transmission/reception.
- **MENU Key:** Accesses the radio's menu settings.
- **EXIT Key:** Exits menu or cancels current operation.

Top and Side Controls

- **Antenna:** Connects to the radio for signal transmission and reception.
- **Power/Volume Knob:** Turns the radio on/off and adjusts the volume.
- **LED Flashlight:** Activates the built-in flashlight.
- **PTT-A (Push-to-Talk A):** Transmits on the selected upper frequency/channel.
- **PTT-B (Push-to-Talk B):** Transmits on the selected lower frequency/channel.
- **Headphone Jack:** For connecting an external earpiece or headset.
- **Type-C Interface:** For charging the radio.

SETUP

1. Battery Installation and Charging

1. Ensure the radio is powered off.
2. Attach the battery pack to the back of the radio, ensuring it clicks securely into place.
3. Connect the provided USB-C charging cable to the Type-C interface on the radio and to a compatible USB power source (e.g., power bank, car adapter, wall charger).
4. The battery charges fully in approximately 3 hours. The radio can be used while charging.

Image: A close-up of the Baofeng UV-5R Mini radio highlighting its USB-C charging port at the bottom, with a USB-C cable connected, illustrating the convenient charging method.

2. Antenna Attachment

1. Gently screw the desired antenna (short or long) onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.
2. For optimal range and clarity, use the appropriate antenna for your communication needs.

3. Earpiece/Headset Connection

1. Insert the earpiece/headset plug into the headphone jack on the side of the radio.
2. Adjust the earpiece for comfortable wear.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Adjustment

1. To power on the radio, rotate the Power/Volume knob clockwise.

2. Continue rotating the knob to adjust the volume to a comfortable listening level.

3. To power off, rotate the knob counter-clockwise until it clicks.

2. Channel and Frequency Selection

1. Press the **V/M** key to switch between Frequency (VFO) mode and Channel (Memory) mode.

2. In VFO mode, use the keypad to directly enter frequencies or the up/down arrow keys to scan.

3. In Channel mode, use the up/down arrow keys or the numeric keypad to select a stored channel.

4. Press the **A/B** key to select which of the two displayed frequencies/channels is active for transmission.

3. Bluetooth APP Programming

The Baofeng UV-5R Mini supports wireless programming via a mobile application. This allows for quick and efficient configuration of multiple radios.

1. Download the official "OLA Radio" app from your device's app store:
   iOS App Store | Android Play Store

2. Enable Bluetooth on your mobile device and the radio.

3. Open the OLA Radio app and follow the on-screen instructions to connect to your UV-5R Mini.

4. Once connected, you can easily modify frequencies, sub-tone codes, power settings, and synchronize parameters across multiple devices.
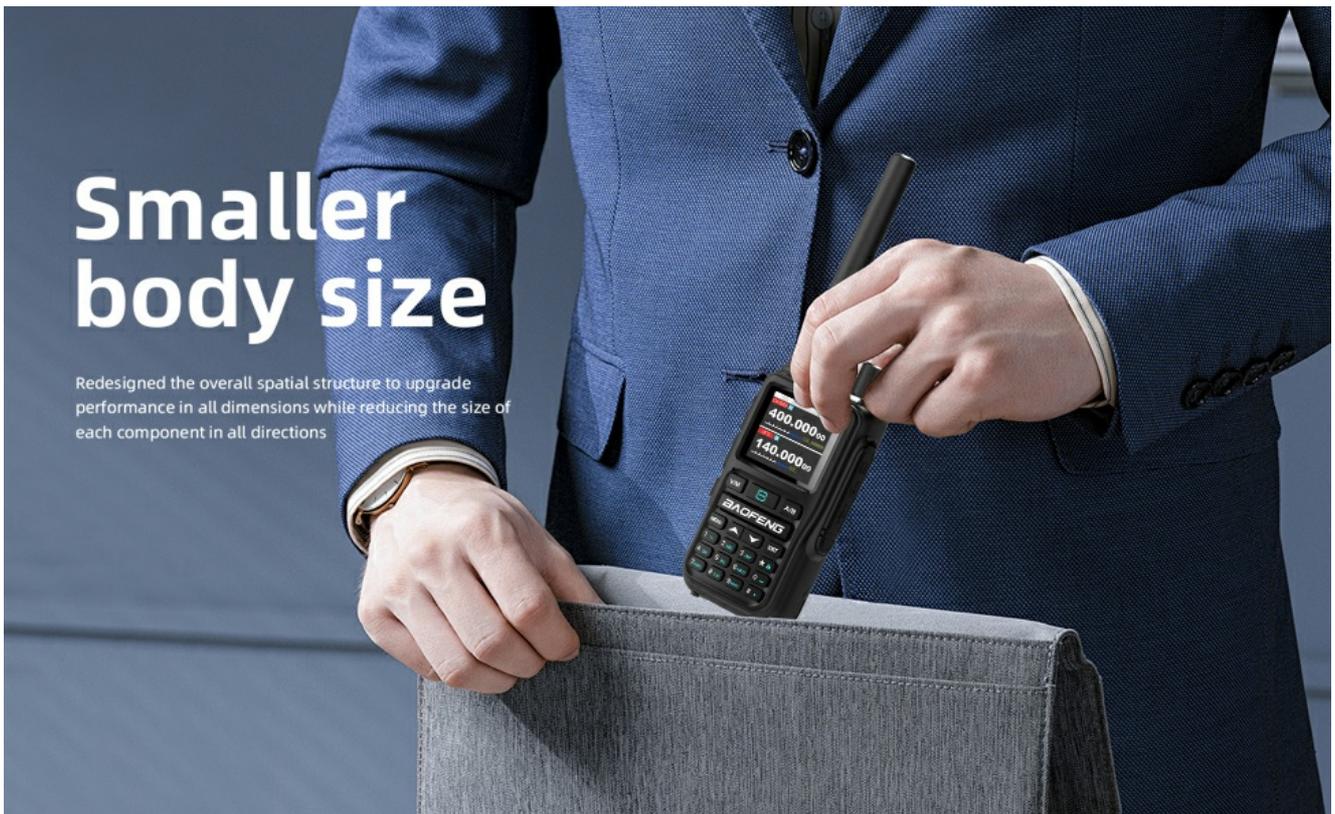

Image: A Baofeng UV-5R Mini radio with a large Bluetooth symbol in the background, indicating its wireless programming capability. Icons for iOS and Android apps are shown below, providing links to download the companion application.

4. Dual PTT Emission

The radio features two Push-to-Talk (PTT) buttons (PTT-A and PTT-B) on the side, allowing for dual standby and dual launch capabilities. This means you can monitor two different frequencies/channels simultaneously and transmit on either by pressing the corresponding PTT button.

5. NOAA Weather Warning

1. To access NOAA weather channels, navigate to the appropriate frequency band (162.400 – 163.275MHz).
2. Long-press the '#' key to activate the one-click frequency scanning lock, which automatically tunes to the strongest weather signal in your area.

6. Adjustable Power

The radio supports adjustable transmitting power (5W/2W). This feature allows you to conserve battery life when communicating over shorter distances or increase power for extended range. Refer to the radio's menu settings to adjust the power output.

7. LED Flashlight

To activate the LED flashlight, press the dedicated flashlight button on the top of the radio. Press it again to turn it off.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging or completely draining the battery. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna Care:** Ensure the antenna is securely attached but not overtightened. Avoid bending or stressing the antenna excessively.

TROUBLESHOOTING

- **No Power:** Check if the battery is properly installed and charged. Ensure the Power/Volume knob is turned on.
- **No Reception/Transmission:** Verify the antenna is correctly attached. Check the selected frequency/channel and ensure it is within the radio's operating range. Confirm the power level is set appropriately.
- **Poor Audio Quality:** Adjust the volume. Check the earpiece/headset connection if in use. Ensure you are within range of the other radio or repeater.
- **Programming Issues:** Ensure Bluetooth is enabled on both the radio and your mobile device. Check that the OLA Radio app is up to date.

SPECIFICATIONS

Feature	Specification
Item Weight	1.43 pounds
Product Dimensions	7.41 x 6.63 x 2.34 inches
Item Model Number	UV-5R Mini
Batteries	1 AAA batteries required (included) - *Note: Product features mention 1600mAh lithium battery, this may be a discrepancy in source data.*
Display Type	LCD or LED

Brand	BAOFENG
Special Feature	Dual Band
Connectivity Technology	Bluetooth
Tuner Technology	UHF
Power Source	Battery Powered
Radio Bands Supported	VHF, UHF
Included Components	Antenna

WARRANTY AND SUPPORT

This Baofeng UV-5R Mini Dual Band Radio comes with a 2-year warranty from the manufacturer. For technical support, troubleshooting assistance, or warranty claims, please contact BAOFENG customer service through their official channels or refer to the contact information provided in your product packaging.

PRODUCT DISPLAY AND FEATURES

Video: A detailed overview of the Baofeng UV-5R Mini radio, showcasing its design, various color options, and key features such as the display, buttons, and connectivity ports. This video provides a visual guide to the product's physical attributes and functionalities.

Image: A comprehensive view of the Baofeng UV-5R Mini radio kit, displaying two radios, two long antennas, two short antennas, two earpieces, two USB-C charging cables, two lanyards, and a user manual, all neatly arranged.

Image: A person placing a Baofeng UV-5R Mini radio into a bag, emphasizing its compact and portable body size, making it easy to carry.

Image: A Baofeng UV-5R Mini radio showcasing its 1.44-inch LED full-color large screen, which provides multi-information display for clear readability.

Image: A Baofeng UV-5R Mini radio with its LED flashlight activated, illustrating its utility for dark environments or night patrols.

Image: A Baofeng UV-5R Mini radio with text overlays highlighting its features: Dual PTT emission, 999 channels, multi-segment scanning reception (VHF and UHF), and adjustable high/low power.

Related Documents - UV-5R Mini

	[Manual de Instrucciones Baofeng UV-5R](#) Comprehensive instruction manual for the Baofeng UV-5R portable dual-band transceiver, covering features, installation of accessories and battery, charging, basic and advanced operations, menu settings, and detailed technical specifications. Optimize your radio's performance with this guide.
	[Baofeng UV-5R Homemade User Manual: Features, Operation, and Channels](#) A comprehensive guide to the Baofeng UV-5R two-way radio, covering its introduction, controls, software-defined features, display modes, and pre-programmed channels for ham radio, weather, and general communication.

	[Amateur Radio User's Manual: Dual Band Handheld Transceiver Guide](#) Comprehensive user manual for a dual-band, dual-display, dual-watch amateur radio. Covers setup, battery charging, accessory installation, radio controls, basic operations, advanced features like scanning, VOX, DTMF, and troubleshooting. Includes safety warnings and technical specifications for optimal performance and reliable communication.
	[Baofeng UV-5R Portofoon: Handleiding voor Algemeen Gebruik en Configuratie](#) Uitgebreide handleiding voor de Baofeng UV-5R portofoon, inclusief installatie, bediening, kanalenlijsten (PMR, LPD, 2M band), en legale gebruiksinformatie. Leer hoe u deze dual-band radio optimaal instelt en gebruikt voor diverse toepassingen.
	[Návod k obsluze radiostanice Baofeng UV-5R: Funkce a ovládání](#) Komplexní uživatelský manuál pro radiostanici Baofeng UV-5R. Obsahuje podrobné informace o bezpečnosti, funkcích, instalaci, ovládání, menu, technických parametrech a shodě s normami pro FM Dual-Band Transceiver.
	[BAOFENG UV-5RM PLUS / K5PLUS Amateur Radio User's Manual](#) Explore the BAOFENG UV-5RM PLUS/K5PLUS Amateur Radio User's Manual, a comprehensive guide for this dual-band, dual-display, dual-watch transceiver. Learn about its features, operation, battery charging, accessory installation, and advanced functions like scanning, programming, VOX, and DTMF. This manual provides essential safety warnings, regulatory compliance information (EU, FCC, IC), and troubleshooting tips for optimal performance and secure communication.