BAOFENG UV-5R Mini

BAOFENG UV-5R Mini Ham Radio Instruction Manual

Model: UV-5R Mini | Brand: BAOFENG

INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG UV-5R Mini Ham Radio. Please read this manual thoroughly before using the device to ensure proper function and safety. The UV-5R Mini is a compact, versatile two-way radio designed for reliable communication across various environments, featuring app programming, multi-band capabilities, and USB-C charging.

PACKAGE CONTENTS

Verify that all items are present in your package:

- BAOFENG UV-5R Mini Radio Unit(s)
- Antenna(s)
- Battery Pack(s)
- Belt Clip(s)
- USB-C Charging Cable(s)

Image: The BAOFENG UV-5R Mini Ham Radio package contents, showing two radio units, two battery packs with USB-C ports, two belt clips, and two USB-C charging cables.

PRODUCT OVERVIEW

The BAOFENG UV-5R Mini is designed for portability and ease of use. Its compact size and robust features make it suitable for various communication needs.

Key Features:

- **Mini Body:** Compact and lightweight design.
- **Dual Key PTT:** For convenient transmission.
- **APP Programming:** Wireless frequency writing via iOS/Android applications.
- **999 Channels:** Extensive channel storage capacity.
- **Multi-band:** Supports VHF/UHF frequencies.
- **Type-C Charging:** Modern and versatile charging option.

- **Adjustable Power:** 5W/2W RF output.

Image: An illustration highlighting the key features of the UV-5R Mini radio, such as its compact size, dual PTT keys, app programming capability, 999 channel capacity, and USB-C charging port.

Dimensions and Weight:

Image: A diagram detailing the physical dimensions and weight of the BAOFENG UV-5R Mini radio.

SETUP GUIDE

1. Battery Installation and Charging

Before initial use, ensure the battery is fully charged. The UV-5R Mini features convenient USB-C charging.

1. Attach the battery pack to the back of the radio until it clicks securely into place.
2. Connect the provided USB-C cable to the charging port on the battery pack.
3. Plug the other end of the USB-C cable into a compatible USB power source (e.g., computer, wall adapter, power bank, car charger).
4. The charging indicator on the radio or battery will show charging status. A full charge typically takes several hours.

Image: The UV-5R Mini radio connected for USB-C charging, demonstrating various power source options.

2. Antenna Attachment

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

3. Belt Clip Attachment

Secure the belt clip to the designated slot on the back of the radio for convenient carrying.

OPERATING INSTRUCTIONS

Power On/Off

Rotate the power/volume knob clockwise to turn the radio on. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to turn the radio off.

Frequency Programming via App (Bluetooth)

The UV-5R Mini supports wireless frequency programming using a dedicated iOS/Android application, allowing for

efficient configuration without a PC.

1. Download the "Ola Radio" app from your device's app store.
2. On the radio, navigate to**MENU > Wireless Cps > ON**to enable Bluetooth programming mode.
3. Open the "Ola Radio" app on your smartphone and connect to your UV-5R Mini radio.
4. Within the app, you can modify frequencies, subtone codes (CTCSS/DCS), power settings, and other parameters.
5. Use the app to push synchronized parameters to multiple devices, streamlining setup for teams.

Image: The radio display showing the wireless programming option enabled, next to a smartphone running the "Ola Radio" app for configuration.

Channel Selection and Storage (999 Channels)

The radio supports up to 999 channels, each configurable with specific RX/TX frequencies, privacy codes, and power settings. Channels can be selected directly using the numeric keypad or by scanning.

Transmit and Receive (PTT)

Press and hold the Push-To-Talk (PTT) button on the side of the radio to transmit. Release the PTT button to

receive. The UV-5R Mini features dual PTT keys for simultaneous monitoring/transmission across different frequencies.

Dual-Frequency Standby (Dual Watch)

The dual-frequency standby feature allows the radio to monitor two different frequencies simultaneously. If a signal is received on either frequency, the radio will switch to that frequency.

1. Navigate to **MENU > Radio Set > 15 Dual Watch > ON**
2. This enables monitoring of both A and B bands.

Image: The radio's display showing the "Dual Watch ON" setting, indicating simultaneous monitoring of two frequencies.

One-Key Frequency Pairing

The radio supports a quick frequency pairing function to easily match frequencies with another device.

- Press and hold the dedicated search button on the radio to initiate frequency pairing.
- The radio will scan and attempt to pair with nearby compatible devices.

Image: Two radios demonstrating the one-key frequency pairing process.

Adjustable Transmission Power (5W/2W)

The UV-5R Mini allows you to select between high (5W) and low (2W) transmission power based on your communication needs and battery conservation requirements.

- Access the power setting through the radio's menu.
- Select either "High Power" (5W) for maximum range or "Low Power" (2W) for shorter distances and extended battery life.

4.21"
• Height

2.05"
• Width

1.46"
• Depth

7.05oz
• Weight

4.21"

2.05"

1.46"

Image: The radio's display showing the option to select between 5W (High Power) and 2W (Low Power) transmission.

Multi-Band Operation

The radio supports VHF/UHF tri-band transmission and AM/FM/VHF/UHF scanning, ensuring broad compatibility and signal reception.

Customizable Side Keys (SK1)

The SK1 side keys can be programmed for quick access to functions such as radio scanning, VOX (Voice Operated Exchange), flashlight, or alarms, enhancing operational flexibility.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery frequently. Store the

radio and battery in a cool, dry place when not in use for extended periods.

- **Antenna:** Ensure the antenna is securely attached but not overtightened. Avoid bending or stressing the antenna.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not properly installed.	Charge the battery or re-install it correctly.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency settings, ensure antenna is connected, move closer to the other radio.
Poor audio quality.	Low battery, weak signal, or incorrect squelch setting.	Charge battery, adjust squelch level, ensure clear line of sight.
App programming not connecting.	Bluetooth not enabled on radio or phone, app issues.	Ensure "Wireless Cps" is ON in radio menu, check phone's Bluetooth, restart app.

TECHNICAL SPECIFICATIONS

Feature	Detail
Item Weight	1.23 pounds
Package Dimensions	7.48 x 7.09 x 2.36 inches
Batteries	1 Nonstandard Battery required
Number of Channels	999
Frequency Range	136-174MHz, 400-520MHz
Talking Range Maximum	5 Kilometers
Voltage	12 Volts (DC)
Water Resistance Level	Not Water Resistant

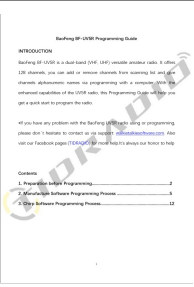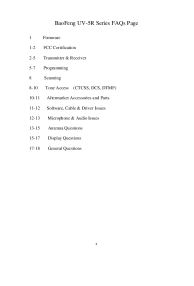| Feature	Detail
Special Features	5W/2W RF output (adjustable), APP programming (Ola Radio), Multi-band TX/RX (VHF/UHF tri-band TX; AM/FM/VHF/UHF scan), One-touch frequency sync, SK1 key shortcuts (radio/scan/VOX/flashlight/alarm)
Manufacturer	BAOFENG

WARRANTY INFORMATION

This product comes with a 1-year manufacturer's warranty. For warranty claims or service, please contact BAOFENG customer support with your proof of purchase.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries, please visit the official BAOFENG website or refer to the contact information provided with your product packaging.

Online resources and FAQs may also be available on the BAOFENG Store on Amazon.

Related Documents - UV-5R Mini

	BaoFeng BF-UV5R Programming Guide A comprehensive guide to programming the BaoFeng BF-UV5R dual-band amateur radio using both the manufacturer's software and CHIRP. Covers system requirements, cable setup, software installation, and detailed parameter explanations for radio customization.
	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 Series FAQs: Your Comprehensive Guide Frequently asked questions (FAQs) for the BaoFeng UV-5R, UV-5RA, UV-5RE, and UV-5R+ series radios. Covers firmware, FCC certification, transmitter/receiver, programming, scanning, tone access, accessories, software, audio, antennas, display, and general troubleshooting.

[Baofeng UV-5R   :   ](#)
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Baofeng UV-5R
The (Chinese) Radio Documentation Project
http://radiodoc.github.com/

doc MzFuzzyants

[Baofeng UV-5R Dual-Band Handheld Transceiver User Manual and Features Guide](#)
Comprehensive user manual for the Baofeng UV-5R dual-band handheld transceiver, covering safety, unboxing, assembly, battery maintenance, basic operation, and detailed menu definitions for optimal use.

Kabel USB do Baofeng UV-5R, UV-82, UV-6R, BF-888s

[Programowanie Radiotelefonów Baofeng za pomocą Oprogramowania CHIRP](#)
Przewodnik krok po kroku dotyczący programowania radiotelefonów Baofeng UV-5R, UV-82, UV-6R, BF-888s przy użyciu kabla USB i oprogramowania CHIRP. Zawiera instrukcje instalacji sterowników, podłączania, konfiguracji pamięci i ustawień zaawansowanych.

Documents - BAOFENG – UV-5R Mini

BAOFENG
Amateur Radio
UV-5R Mini
USER'S MANUAL

[Baofeng UV-5R Mini Amateur Radio User Manual](#)
A comprehensive user manual for the Baofeng UV-5R Mini amateur radio, covering its features, operation, safety precautions, and technical specifications.
lang:en score:28 filesize: 7.97 M page_count: 27 document date: 2025-07-29

BAOFENG
Amateur Radio
GT-5R Mini
USER'S MANUAL
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[Baofeng GT-5R Mini Amateur Radio User Manual](#)
Comprehensive user manual for the Baofeng GT-5R Mini amateur radio, covering setup, basic operations, advanced features, and troubleshooting.
lang:en score:27 filesize: 8.86 M page_count: 75 document date: 2025-07-29

[EU Type Examination Certificate for Baofeng Amateur Radios (UV-5R Mini Series)](#)

Official EU Type Examination Certificate issued by Bay Area Compliance Laboratories Corp. for Baofeng amateur radio models, confirming compliance with Directive 2014/53/EU.

lang:en score:21 filesize: 5.8 M page_count: 2 document date: 2025-10-27