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› Baofeng UV-82 8 Watts High Power 2-Way Radio Dual Band UHF VHF Triple Power 8w/5w/1w Walkie Talkie User Manual

BAOFENG UV 82

BAOFENG UV-82 8 Watts High Power 2-Way Radio User Manual

Model: UV-82

1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG UV-82 8 Watts High Power 2-Way Radio. Please read this manual thoroughly before using the device to ensure proper function and safety. This transceiver is designed for reliable two-way communication across various environments, offering dual-band capabilities and multiple power output options.

2. PACKAGE CONTENTS

The following items are included in your BAOFENG UV-82 package. Please verify all components are present upon unboxing.

- 1x UV-82 8W Radio
- 1x Dual Band Antenna
- 1x 7.4V 2000mAH Li-ion Battery
- 1x Earphone Mic / Headset with Dual PTT Button
- 1x Belt Clip
- 1x Hand Strap
- 1x English Manual
- 1x Power Adapter
- 1x Desktop Charger (100V~240V)



Image: All components included in the BAOFENG UV-82 package, including the radio, battery, antenna, charger, power adapter, headset, belt clip, hand strap, and user manual.



3. PRODUCT OVERVIEW

The BAOFENG UV-82 is a high-power dual-band FM transceiver designed for reliable two-way communication. It features adjustable power output (8W/5W/1W), dual standby capability, and a robust design suitable for various environments. Key features include:

- High power version UV-82 8 watts radio with 3 power levels (8W/5W/1W).
- 50 CTCSS/ 104 DCS coder for enhanced privacy and signal filtering.
- Long range handheld radio with a talk range up to 5-8km under optimal conditions.
- FCC certified (ID: 2AJGM-UV82) ensuring compliance with regulatory standards.
- Large LCD Display for clear information viewing.
- Built-in LED Flashlight for utility in low-light conditions.
- Transmitter Time-Out Timer (TOT) to prevent accidental continuous transmission.
- Busy Channel Lock-Out (BCLO) to prevent transmitting on an occupied frequency.



Image: Front view of the BAOFENG UV-82 radio, showcasing its display, keypad, and antenna.



Image: The BAOFENG UV-82 radio held in a hand, illustrating its compact size and ergonomic design.



Image: An angled view of the BAOFENG UV-82 radio, providing a clear look at its side controls and overall form factor.

4. SETUP

4.1 Battery Installation

Align the battery pack with the grooves on the back of the radio. Slide the battery upwards until it clicks securely into place. Ensure it is firmly seated to maintain power connection.



Image: The back of the BAOFENG UV-82 radio with its battery detached, illustrating the battery compartment and the separate battery pack.

4.2 Antenna Attachment

Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten, as this may damage the connector.

4.3 Charging the Battery

Place the radio with the battery installed into the desktop charger. Ensure the charging contacts align properly. The charger indicator light will typically illuminate red to indicate charging and turn green when the battery is fully charged. Connect the power adapter to the desktop charger and a suitable power outlet (100V~240V).

4.4 Attaching Belt Clip and Hand Strap

Attach the belt clip to the designated screw holes on the back of the radio using the provided screws. Secure the hand strap through the loop on the top side of the radio for convenient carrying.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Control

Rotate the top knob clockwise to power on the radio and adjust the volume. Rotate counter-clockwise until a click is heard to power off the device.

5.2 Channel/Frequency Selection

Use the **UP/DOWN** arrow keys on the keypad to navigate through channels or frequencies. Press the **MENU** button to access settings and **EXIT/AB** to switch between VFO A and VFO B (Variable Frequency Oscillators) for dual watch operation.

5.3 Push-to-Talk (PTT) Button

Press and hold the **PTT** button located on the left side of the radio to transmit. Speak clearly into the microphone. Release the **PTT** button to return to receive mode.

5.4 Dual PTT Function (for included headset)

The included earphone mic/headset features dual PTT buttons. The upper PTT button transmits on the A VFO, and the lower PTT button transmits on the B VFO, allowing for quick switching between two monitored frequencies without manual selection on the radio.

5.5 High/Low Power Selection

Press the **TXP** button (typically assigned to the '2' key on the keypad) to cycle through the available transmit power settings: High (8W), Medium (5W), and Low (1W). Select the appropriate power level based on your communication needs and battery conservation.

5.6 CTCSS/DCS (Tone Squelch)

CTCSS (Continuous Tone-Coded Squelch System) and DCS (Digital-Coded Squelch) codes are used to filter out unwanted signals and ensure you only hear transmissions from radios using the same code. Refer to the radio's menu settings to configure CTCSS or DCS for specific channels or frequencies.

5.7 LED Flashlight

Press the **MONI** button (usually located on the side, below the PTT button) to activate the built-in LED flashlight. Press the button again to turn the flashlight off.

6. MAINTENANCE

6.1 Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the radio's casing and internal components. Ensure the radio is completely dry before use or storage.

6.2 Battery Care

To prolong the life of your Li-ion battery, avoid overcharging or completely discharging it. It is recommended to charge the battery when the low battery indicator appears. Store the battery in a cool, dry place when not in use for extended periods.

6.3 Storage

Store the radio in a dry, dust-free environment away from direct sunlight, extreme temperatures, and corrosive materials. Remove the battery if storing the radio for an extended period.

7. TROUBLESHOOTING

- **Radio not powering on:** Check if the battery is properly installed and charged. Ensure the power/volume knob is rotated clockwise to the 'on' position.
- **No transmission/reception:** Verify the antenna is securely attached. Check frequency/channel settings to ensure they are correct. Confirm that the PTT button is fully pressed during transmission. Ensure that CTCSS/DCS settings match the receiving radio, if applicable.
- **Poor audio quality:** Adjust the volume. Check the antenna connection. Move to an area with better signal reception, away from obstructions or interference. Ensure the microphone is not obstructed during transmission.
- **Short battery life:** Ensure the battery is fully charged before use. Reduce transmit power if high power is not necessary for your communication range. Limit continuous transmission time.

8. SPECIFICATIONS

Feature	Specification
Model Number	UV-82
Item Weight	1.04 pounds
Package Dimensions	8.07 x 7.2 x 2.52 inches
Battery Type	1 Lithium Ion battery (included)
Brand	BAOFENG
Color	Black
Number of Channels	200
Special Feature	Long Range
Frequency Range	144-146MHz / 420-450MHz
Talking Range Maximum	8 Kilometers
Tuner Technology	UHF, VHF
Voltage	7.4 Volts (DC)
Water Resistance Level	Water Resistant

9. WARRANTY INFORMATION

BAOFENG products typically come with a limited manufacturer's warranty. For specific warranty terms and conditions, including duration and coverage, please refer to the warranty card included in your product packaging or visit the official BAOFENG website. It is important to retain your purchase receipt as proof of purchase for any warranty claims.

10. SUPPORT

For technical assistance, advanced troubleshooting beyond the scope of this manual, or service inquiries, please contact BAOFENG customer support. Contact information, including phone numbers and email addresses, can usually be found on the official BAOFENG website or on the product packaging. Online resources, such as FAQs and software downloads, may also be available.