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BAOFENG Baofeng UV-82

Baofeng UV-82 Ham Radio Instruction Manual

Model: Baofeng UV-82

Brand: BAOFENG

1. Introduction

This manual provides detailed instructions for the operation and maintenance of your Baofeng UV-82 high power ham radio. The UV-82 is a versatile dual-band FM transceiver designed for reliable communication. It features 128 channel memory, power save mode, VOX, scan, alarm, and dual watch functions. This full kit includes a wireless programmer, an extra 2800mAh battery, and a handheld speaker mic, enhancing its utility and ease of use.

2. What's in the Box

Verify that all components are present in your package:

- 1 x Baofeng UV-82 Ham Radio
- 1 x Wireless Programmer
- 2 x 2800mAh Battery
- 1 x Hand Speaker Mic
- 1 x UV-82 Charger
- 1 x Walkie Talkie Earpiece

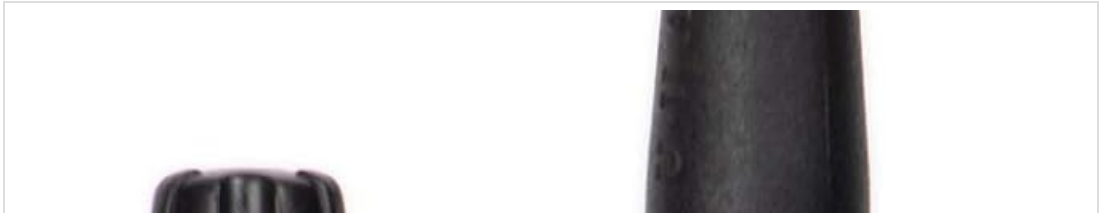


Image: Contents of the Baofeng UV-82 full kit, including the radio, wireless programmer, two batteries, handheld speaker mic, charger, and earpiece.

3. Setup Guide

3.1. Battery Installation

Align the battery with the back of the radio and slide it upwards until it clicks securely into place. Ensure the battery is fully seated to establish proper electrical contact.




BAOFENG
Amateur Radio
Model: UV-82
Voltage: DC7. 4V
FCC ID: 2AJGM-UV82
CAUTION
Device must be restricted to occupational use to satisfy FCC RF exposure compliance. See owner's manual for specific operating requirements.
S/N:21A00000
PO FUNG ELECTRONIC (HK) COMPANY.
Made In China



Image: Rear view of the Baofeng UV-82 radio, showing the battery attachment area and FCC ID label.

3.2. Antenna Attachment

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

3.3. Charging the Battery

Place the radio with the installed battery into the charging cradle. Connect the AC adapter to the charging cradle and plug it into a power outlet. The indicator light on the charger will show the charging status (typically red for charging, green for fully charged).

3.4. Attaching Accessories

The handheld speaker mic and earpiece connect to the dual audio jacks on the side of the radio. The belt clip can be attached to the back of the radio for convenient carrying.



Image: Baofeng UV-82 radio shown with the handheld speaker mic attached, demonstrating its use for hands-free communication.



Image: Close-up of the handheld speaker mic, highlighting its 360-degree rotatable clip and durable elastic cable for clear audio.



Image: The included earpiece with a dual Push-to-Talk (PTT) button, designed for comfortable wear and clear sound in loud environments.

3.5. Wireless Programming

The Baofeng UV-82 supports wireless programming via your phone, eliminating the need for traditional programming cables and drivers. This allows for convenient programming outdoors or on the go. The wireless programmer connects to the radio's accessory port.



Image: The Baofeng UV-82 radio connected to a wireless programmer, with a smartphone displaying the programming application interface.



Image: A visual comparison showing the traditional PC-only programming method versus the more flexible PC and mobile phone programming supported by the wireless programmer.



Image: Illustration of both PC and phone-based programming options for the Baofeng UV-82, showing the radio connected to a computer and a smartphone.

4. Operating Instructions

4.1. Power On/Off and Volume Control

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

4.2. Channel Selection and Frequency Input

Use the numerical keypad to directly input frequencies or select channels. The UV-82 allows for direct frequency input without needing to connect to a computer for every change.

4.3. Push-to-Talk (PTT) Function

The UV-82 features a dual PTT button, allowing selection between two frequencies (A/B Key) for transmission. Press the PTT button on the side of the radio or on the attached speaker mic to transmit.



Image: A comparison highlighting the Baofeng UV-82's A/B Key for dual or single Push-to-Talk (PTT) selection, contrasting it with other radios that typically feature only a single PTT key.

4.4. VOX Function

The Voice Operated Exchange (VOX) function allows for hands-free transmission. When VOX is enabled, the radio will automatically transmit when it detects your voice, eliminating the need to press the PTT button.



Image: Illustration of the VOX function, showing a person speaking into the radio without pressing the PTT button, enabling hands-free communication.

4.5. Scan and Dual Watch Functions

The scan function allows the radio to automatically search for active frequencies. The dual watch function enables the radio to monitor two different frequencies simultaneously, ensuring you don't miss important transmissions.



Image: The radio scanning for busy channels and frequencies, depicted with a radar-like graphic over a city skyline.

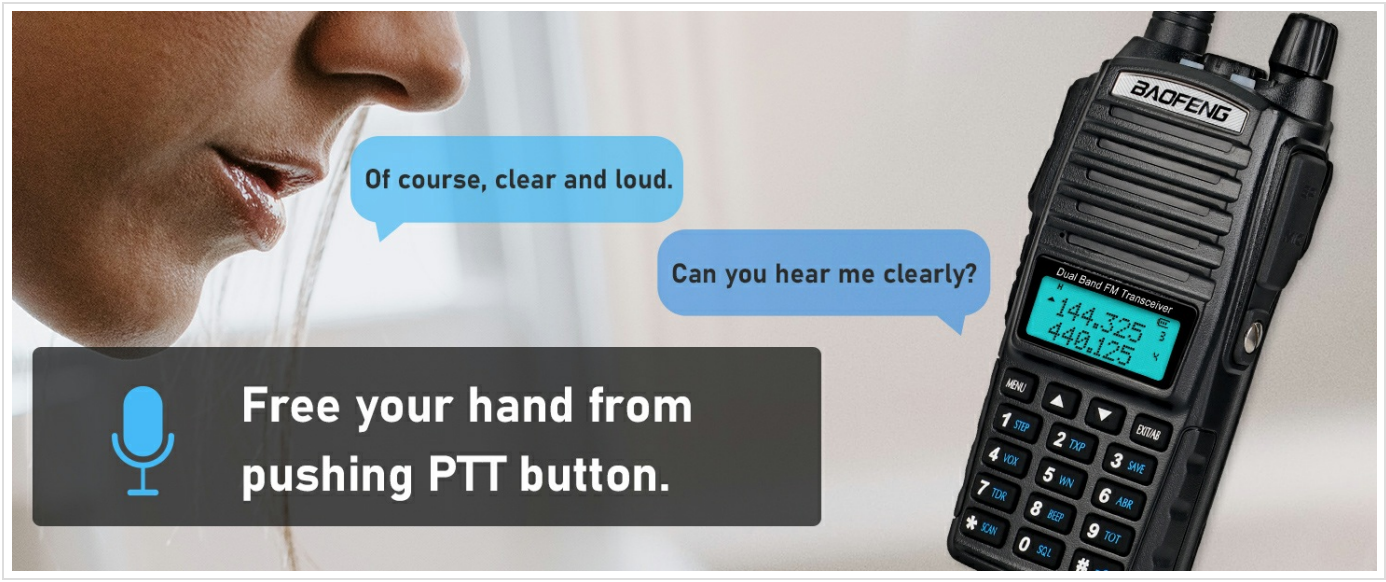


Image: Visual representation of the dual watch function, showing the radio receiving messages from two different sources simultaneously in an outdoor setting.

4.6. FM Radio and Flashlight

The UV-82 includes an FM radio for entertainment and a built-in flashlight for utility in low-light conditions. The flashlight can be set to constant illumination or strobe mode.



Image: A person using the radio's flashlight function in a dark outdoor environment, demonstrating both constant and flashing (strobe) light modes.

4.7. Alarm Function

In emergency situations, the radio can activate an alarm sound to alert others to your location or distress.



Image: A firefighter pointing towards a radio emitting an SOS alarm sound amidst rubble, illustrating the emergency alarm feature.

4.8. Official Product Video

Video: An official product video showcasing the Baofeng UV-82 Ham Radio, highlighting its high power capabilities and various features. (Duration: 0:22)

5. Maintenance

5.1. Battery Care

The Baofeng UV-82 comes with two 2800mAh Lithium Polymer batteries, providing extended operating time. To maximize battery life, fully charge the battery before first use. Avoid overcharging or completely draining the battery. Store batteries in a cool, dry place when not in use.



Image: Two 2800mAh batteries shown alongside the Baofeng UV-82 radio, illustrating the increased battery capacity compared to standard stock batteries.

5.2. Cleaning

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

5.3. Storage

When storing the radio for extended periods, remove the battery. Store the radio and accessories in a dry, temperature-controlled environment.

6. Troubleshooting

6.1. No Power

- Ensure the battery is fully charged and properly installed.

- Check the power/volume knob to ensure it is turned on.

6.2. Cannot Transmit or Receive

- Verify the antenna is securely attached.
- Check that you are on the correct frequency or channel.
- Ensure the battery has sufficient charge.
- Confirm that Busy Channel Lock-out (BCLO) is not preventing transmission on a busy frequency.

6.3. Poor Audio Quality

- Adjust the volume level.
- Check the connection of the speaker mic or earpiece.
- Ensure the radio is within range of the transmitting station.

6.4. Programming Issues

- For wireless programming, ensure the wireless programmer is correctly connected and the mobile application is functioning properly.
- Refer to the programming software's instructions for detailed guidance.

7. Specifications

Feature	Detail
Brand	BAOFENG
Model Number	Baofeng UV-82
Product Dimensions	10 x 8 x 2 inches (2"D x 8"W x 10"H)
Item Weight	1.72 pounds
Batteries	2 Lithium Polymer batteries (included)
Number of Channels	128
Frequency Range	UHF & VHF
Talking Range Maximum	10 Kilometer
Voltage	7.4 Volts
Water Resistance Level	Water Resistant
FCC ID	2AJGM-UV82

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