

BAOFENG UV-25

BAOFENG UV-25 Ham Radio User Manual

Model: UV-25

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your BAOFENG UV-25 Ham Radio. The UV-25 is a high-performance, long-range handheld tactical radio designed for reliable communication across various frequency bands. It features a tri-power output, a large color display, and a 5200mAh battery for extended use. Please read this manual thoroughly before using the device.



BAOFENG UV-25
Long Range Tactical Ham Radio

Multi-Band

Wireless Copy Frequency

1.77" Large Color Screen

DTMF

Type-C Fast Charger

LOW

999CH

NOAA

Air Band

FM Radio

The advertisement features a soldier in camouflage gear holding a BAOFENG UV-25 Ham Radio. The radio's screen displays two frequencies: 145.50000 MHz and 479.97500 MHz. The background is a desert landscape. The text 'BAOFENG UV-25 Long Range Tactical Ham Radio' is prominently displayed in the upper right. Below this, ten icons represent various features: Multi-Band (signal waves), Wireless Copy Frequency (document with signal), 1.77" Large Color Screen (screen icon), DTMF (square with arrows), Type-C Fast Charger (cable icon), LOW (lightning bolt), 999CH (grid icon), NOAA (NOAA logo), Air Band (jet icon), and FM Radio (radio icon).

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the radio:

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not transmit without an antenna attached.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.
- Keep the radio away from water and moisture. The device is not water resistant.
- Use only BAOFENG approved batteries and chargers.
- Do not disassemble or modify the radio. Refer all servicing to qualified personnel.
- Maintain a safe distance from the antenna during transmission, especially for high-power settings.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- BAOFENG UV-25 Ham Radio Unit
- 5200mAh Li-ion Battery
- Gooseneck Antenna
- Desktop Charger with US Plug
- Type-C USB Charging Cable
- Belt Clip
- Hand Strap
- User Manual (this document)

Whats In The Box

Baofeng AR-25R



Radio



Antenna



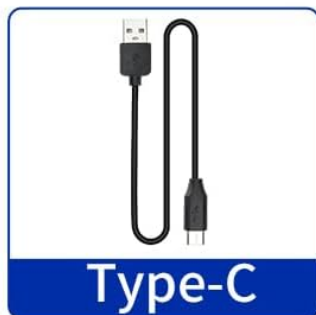
Charger



Battery



Clip



Type-C



All components included in the BAOFENG UV-25 package.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your UV-25 radio:



Key components and controls of the BAOFENG UV-25.

- **Antenna:** For transmitting and receiving signals. The flexible gooseneck antenna allows for 360° arbitrary bending.
- **Power Switch/Volume Knob:** Rotates to turn the radio on/off and adjust volume.
- **LED Flashlight:** Provides illumination.
- **SK-Weather Forecast/Frequency Sweep Key:** Activates weather forecast or frequency sweep functions.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **K2-FM Radio Switch/Monitoring Key:** Toggles FM radio or monitoring function.
- **SK3 LED Flashlight Switch/Emergency Alarm Button:** Activates the flashlight or emergency alarm.
- **Menu Key:** Accesses the radio's menu system.
- **Color LCD Screen:** Displays frequency, channel, battery status, and other information.
- **2-Pin Mic Port:** Standard K-style port for external speaker/microphone accessories.

Gooseneck antenna

Flexible hose with 360° arbitrary bending and shaping without rebound



The flexible gooseneck antenna provides versatile positioning.

5. SETUP

5.1 Battery Installation and Charging

The UV-25 comes with a 5200mAh Li-ion battery. Ensure the battery is fully charged before first use.

1. **Install Battery:** Align the battery with the grooves on the back of the radio and slide it upwards until it clicks into place.
2. **Charge Battery:** Connect the Type-C USB charging cable to the radio or place the radio in the desktop charger. Connect the charger to a power source (wall adapter, power bank, PC, car charger, laptop). The charging indicator will show charging status.



The UV-25 supports versatile Type-C USB charging.

5.2 Antenna Attachment

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

5.3 Initial Power On

Rotate the Power Switch/Volume Knob clockwise to turn on the radio. Adjust the knob to set the desired volume level.

6. OPERATING INSTRUCTIONS

The BAOFENG UV-25 offers a wide range of features for effective communication.



Overview of the BAOFENG UV-25's advanced features.

6.1 Power On/Off and Volume Control

To power on or off the radio, rotate the Power Switch/Volume Knob. Continue rotating to adjust the audio volume.

6.2 Channel Selection and Frequency Input

The UV-25 supports up to 999 channels. You can select channels using the up/down arrow keys or directly input frequencies using the keypad.

- **Channel Mode:** Use the arrow keys to scroll through programmed channels.
- **Frequency Mode:** Enter the desired frequency directly using the numeric keypad. Press the Menu key to confirm or access settings.

6.3 Transmitting and Receiving (PTT)

To transmit, press and hold the PTT button on the side of the radio. Speak clearly into the microphone. Release the PTT button to return to receive mode.

6.4 Tri-Power Switchable

The UV-25 offers High, Medium, and Low power output settings. This feature allows you to conserve battery life when long-range communication is not required. Refer to the menu settings to adjust the power level.

6.5 Copy Frequency Function

This feature allows you to quickly copy frequencies from other walkie-talkies, simplifying programming. Consult the radio's menu for specific steps on activating and using the copy frequency function.

Wireless Copy Frequency

Multi-Band

- FM 65-108MHz
- AM 108-136MHz(RX)
- 136-174MHz(RX&TX)
- 220-260MHz(RX&TX)
- 350-390MHz(RX)
- 400-480MHz(RX&TX)
- 480-520MHz(RX)

The wireless copy frequency feature simplifies radio setup.

6.6 NOAA Weather Receiver

The UV-25 can automatically scan and receive all 10 channels of the NOAA Weather Radio, providing timely weather alerts and forecasts.

NOAA Weather Reception



Upgraded speaker for clearer and louder sound quality



tornado



tsunami



lightning



snowstorm

Enhanced NOAA Weather Reception for critical alerts.

6.7 DTMF Function

The DTMF (Dual-Tone Multi-Frequency) function supports single and multiple person calls, enhancing team collaboration. Refer to the menu for DTMF settings and usage.

6.8 FM Radio and Air Band Reception

The UV-25 includes an FM radio for entertainment and can receive signals on the AM Aviation Band (108-136MHz RX).

Multi Functional Long-Distance Walkie Talkie



The UV-25 offers multiple functions including aviation band reception and DTMF.

6.9 LED Flashlight

Press the SK3 button to activate the built-in LED flashlight for illumination in low-light conditions.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your UV-25 radio.

- **Cleaning:** Use a soft, damp cloth to clean the radio's surface. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place when not in use. Avoid fully discharging the battery frequently. Recharge the battery regularly, even if not in use, to maintain its health.
- **Storage:** When storing the radio for extended periods, remove the battery. Store the radio in a dry, dust-free environment.
- **Antenna:** Ensure the antenna is securely attached during operation. Avoid bending or stressing the antenna excessively, despite its flexible design.

8. TROUBLESHOOTING

If you encounter issues with your UV-25, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Radio does not power on	Battery is low or not installed correctly.	Charge the battery. Reinstall the battery, ensuring it clicks into place.

Problem	Possible Cause	Solution
Cannot transmit or receive	Incorrect frequency/channel. Antenna not connected. Low battery.	Verify frequency/channel settings. Ensure antenna is securely attached. Recharge battery.
Poor audio quality/static	Weak signal. Antenna issue. Interference.	Move to an area with better signal. Check antenna connection. Identify and reduce sources of interference.
Battery drains quickly	High power setting. Frequent transmission. Battery nearing end of life.	Use lower power settings when possible. Reduce transmission time. Consider replacing the battery if it's old.
Display is dim or blank	Low battery. Display settings.	Recharge battery. Adjust display brightness in menu settings.

9. SPECIFICATIONS

Feature	Specification
Model Number	UV-25
Frequency Range	VHF: 144-148MHz, UHF: 420-450MHz (RX/TX); FM: 65-108MHz (RX); AM Aviation Band: 108-136MHz (RX); 220-260MHz (RX/TX); 350-390MHz (RX); 400-480MHz (RX/TX); 480-520MHz (RX)
Number of Channels	Up to 999
Power Output	Tri-Power Switchable (High/Medium/Low), up to 10W
Battery Capacity	5200mAh Li-ion
Charging Port	Type-C USB
Display	1.77 inch Color Large Screen
Dimensions (approx.)	7CM/2.76inch (Width) x 17CM/6.69inch (Height) (excluding antenna)
Weight (approx.)	2.09 pounds (with battery and antenna)
FCC ID	2AJGM-UV25
Water Resistance Level	Not Water Resistant

Larger Size



Size comparison illustrating the larger form factor of the UV-25.

10. WARRANTY AND SUPPORT

The BAOFENG UV-25 Ham Radio comes with a 3-month warranty from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For technical support, warranty claims, or further assistance, please contact BAOFENG customer service through the retailer where you purchased the product or visit the official BAOFENG website for contact information.

Online Resources:

- BAOFENG Official Store: [Visit BAOFENG Store on Amazon](#)