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BAOFENG UV-K61

BAOFENG NA-K61 / UV-K61 Ham Radio User Manual

Model: NA-K61 / UV-K61

Introduction

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG NA-K61 / UV-K61 Ham Radio. Please read this manual thoroughly before using the device to ensure proper function and safety.

What's in the Box

The BAOFENG NA-K61 / UV-K61 package includes the following components:

- 2 x Radio Body
- Battery (2600mAh)
- 2 x 21CM Antenna
- 2 x 38CM Antenna
- 2 x Belt Clip
- 2 x Type-C Charging Cable
- 2 x Base Charger
- 2 x Lanyard
- 2 x User Manual



Image: Overview of the BAOFENG NA-K61 / UV-K61 package contents, showing two handheld radios, two 2600mAh batteries with Type-C charging ports, two base chargers, two Type-C USB cables, two belt clips, two lanyards, and four antennas (two 21cm and two 38cm).

Product Features

Long Range Communication

The BAOFENG NA-K61 / UV-K61 offers a communication distance of 3-5 miles, suitable for various outdoor and professional applications. Its robust casing and anti-drop design contribute to a longer lifespan, even in harsh conditions. This device is FCC Certified with FCC ID: 2AJGM-NAK6.

Multi-Band Reception

This radio supports 7 bands, including AM/FM reception. It covers a wide frequency range for both transmission and reception, enhancing its versatility.

- FM: 68-108MHz (RX)
- AM: 108-136MHz (RX) - Includes Air Band
- 136-174MHz (RX/TX)
- 220-260MHz (RX/TX)
- 350-390MHz (RX)
- 400-520MHz (RX/TX)
- 520-600MHz (RX)



Image: A close-up of the BAOFENG NA-K61 / UV-K61 radio highlighting its multi-band reception, including FM (68-108MHz), AM (108-136MHz), 136-174MHz, 220-260MHz, 350-390MHz, 400-520MHz, and 520-600MHz.

Type-C Rechargeable & Dual Charging Methods

The radio features a Type-C charging interface, allowing for versatile charging options using car chargers, power banks,

laptops, or any USB interface device. Additionally, it comes with a traditional base charger for convenient desktop charging. The USB interface does not support programming, but the radio can decipher amateur walkie-talkie frequencies without computer programming.



Image: Illustration of the two charging methods for the BAOFENG NA-K61 / UV-K61: a base charger that can charge the radio or battery independently, and direct Type-C charging via various USB power sources like a power bank, car charger, or laptop.

Wireless Copy Frequency Function

The radio can quickly decipher and copy the frequency of a target radio, enabling communication without the need for computer programming. This feature is particularly useful for quick setup in temporary outdoor environments.



Image: A visual guide demonstrating the "2 Seconds Copy Frequency" feature. It shows pressing the "E" key to activate the copy function and the "#" key to switch bands, allowing the radio to quickly find and match another radio's frequency for communication.

High Gain Orange Long Antenna

Equipped with a 15.35-inch dual-band antenna, this radio enhances signal reception and increases communication distance. The antenna is flexible, easy to bend, lightweight, and convenient to carry.

Large Colorful Screen

The NA-K61 / UV-K61 features a larger screen compared to traditional Baofeng models (e.g., UV-5R, BF-F8, UV-9R Plus/Pro, UV-9G, UV-82). This larger display provides clearer channel information and power status, offering an improved visual experience.

NOAA Weather Receiver

The radio includes a NOAA Weather Receiver with 10 channels, providing critical weather alerts and information for various hazards such as fires, earthquakes, snowstorms, hurricanes, floods, and aviation weather.



Image: The BAOFENG NA-K61 / UV-K61 radio with a graphic illustrating its NOAA Weather Receive feature, showing icons for different weather events like fires, earthquakes, snowstorms, hurricanes, floods, and aviation, indicating its capability to receive 10 NOAA weather channels.

Additional Features

- **Dual Watch:** Monitor two different frequencies simultaneously.
- **DTMF:** Dual-Tone Multi-Frequency signaling for various functions.
- **999 Channels:** Ample storage for various frequencies.
- **LED Flashlight:** Integrated flashlight for convenience in low-light conditions.
- **VOX Free Hand:** Voice-operated transmit for hands-free operation.



Image: A promotional image of the BAOFENG NA-K61 / UV-K61 radio listing its main features: AM/FM 7 Bands (including Air Band), 999 Channels, NOAA Weather Receiver, DTMF, Wireless Copy Frequency, Dual Watch, Type-C Charger, LED Flashlight, VOX Free Hand, and Large Colorful Screen.

Setup Guide

1. Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the battery compartment on the back of the radio.
3. Slide the battery pack upwards until it clicks into place.
4. To remove, press the battery release latch (if present) and slide the battery downwards.

2. Antenna Attachment

1. Screw the desired antenna (21CM or 38CM) clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.

3. Initial Charging

Before first use, fully charge the battery using either the base charger or the Type-C USB cable.

- **Using Base Charger:** Place the radio or just the battery into the charging cradle. The indicator light will show charging status (typically red for charging, green for fully charged).
- **Using Type-C Cable:** Connect the Type-C cable to the port on the side of the radio and plug the other end into a compatible USB power source.

Operating Instructions

1. Power On/Off and Volume Control

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

2. Channel/Frequency Selection

- Use the **V/M** button to switch between Frequency Mode (VFO) and Channel Mode (MR).
- In Frequency Mode, use the keypad to directly input frequencies or the up/down arrow keys to adjust.
- In Channel Mode, use the up/down arrow keys to select a stored channel.

3. Transmitting (PTT)

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

4. Wireless Copy Frequency

1. Power on your radio.
2. Press the **"E"** key to activate the Copy Frequency function. The screen will display "SEARCH SWEEK...".
3. Press and hold the PTT button on the other radio you wish to copy the frequency from. Your NA-K61 / UV-K61 will search for and display its transmitting frequency.
4. Once the frequency is found, press the **"MENU"** button to confirm and save it.
5. Switch to channel mode to begin communicating on the newly copied frequency.



Image: A step-by-step visual guide on how to use the "2 Seconds Copy Frequency" feature. It illustrates powering on, pressing the "E" key to search, holding the PTT on the target radio, and confirming with the "MENU" button to enable communication.

5. Using the LED Flashlight

Press the dedicated flashlight button (if available, refer to product diagram) or a programmed side key to turn the LED flashlight on/off.

6. NOAA Weather Reception

Access the NOAA weather channels through the menu system to receive real-time weather alerts and information.

Maintenance

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

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive.	Incorrect frequency/channel; out of range; antenna loose.	Verify frequency/channel settings. Move closer to the other radio. Check antenna connection.
Poor audio quality.	Low signal strength; volume too low/high; speaker obstructed.	Adjust volume. Ensure clear line of sight. Check for obstructions on speaker/microphone.

Problem	Possible Cause	Solution
Wireless Copy Frequency fails.	Target radio not transmitting; too far apart; interference.	Ensure target radio is transmitting. Reduce distance between radios. Try again in a clear area.

Specifications

Feature	Detail
Brand	BAOFENG
Model Number	UV-K61 (also known as NA-K61)
Item Weight	2.72 pounds
Package Dimensions	16.42 x 5.12 x 4.53 inches
Color	Black with Orange Accents
Number of Channels	999
Special Feature	Long Range
Frequency Range	136-174 MHz, 400-470 MHz (and other RX bands as listed in features)
Talking Range Maximum	5 Mile
Tuner Technology	UVH/VHF
Water Resistance Level	Not Water Resistant
Battery Capacity	2600mAh
Charging Interface	Type-C USB

Warranty and Support

This product does not explicitly state a warranty period in the provided specifications. For warranty claims or technical support, please contact the manufacturer, BAOFENG, or your point of purchase. Keep your purchase receipt as proof of purchase.
For further assistance, you may refer to the official BAOFENG website or contact their customer service department.

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