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BAOFENG BAOFENG NA-K61

BAOFENG K61 Multi-Band Ham Radio Instruction Manual

Model: BAOFENG NA-K61

1. Introduction

The BAOFENG K61 is an advanced multi-band ham radio handheld device, designed as an upgrade to the popular UV-5R model. It offers a wide range of features for reliable communication, including extensive frequency coverage, a high-capacity battery with USB-C charging, and enhanced user-friendly functions. This manual provides detailed instructions for the proper setup, operation, and maintenance of your BAOFENG K61 radio.



Image 1.1: Overview of BAOFENG K61 High Tech Radio features, including 7 band radio, CHIRP programming, AM reception, copy frequency, 999 channels, USB-C charging, 2600mAh battery, flashlight, FM, NOAA, DTMF, and password protection.



Image 1.2: A visual comparison highlighting the enhanced features of the K61 over the UV-5R, such as Airband Receiver, Copy Frequency, NOAA Weather Receiver, USB-C Charging, and expanded frequency ranges.

2. What's in the Box

Upon opening the package, please verify that all the following components are included:

- 2 x BAOFENG NA-K61 Handheld Ham Radio
- 2 x 2600 mAh Lithium Polymer Battery
- 2 x BAOFENG Earpiece
- 2 x Standard NA-K61 Antenna
- 2 x Desktop Charger
- 2 x Belt Clip
- 2 x Hand Strap
- 1 x User's Manual



Image 2.1: All components included in the BAOFENG K61 2-pack, showing two radios, two batteries, two desktop chargers, two earpieces, two antennas, two belt clips, and two hand straps.

3. Setup

3.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery upwards until it clicks securely into place.

3.2 Charging the Battery

The BAOFENG K61 features a 2600mAh large capacity battery with a USB-C charging interface, allowing for flexible charging options.

- **Using the Desktop Charger:** Place the radio with the battery installed into the desktop charging cradle. Ensure the charging indicator light illuminates.
- **Using USB-C Direct Charging:** Connect a standard USB-C cable to the port on the side of the battery (or radio,

if applicable) and to a power source such as a power bank, PC, car charger, or laptop.

3.3 Antenna Attachment

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

4. Operating Instructions

4.1 Frequency Range and Bands

The BAOFENG K61 supports a wide range of frequencies for both transmission and reception, ensuring versatile communication capabilities.

- **Transmission (TX):** 136-174MHz, 220-260MHz, 400-480MHz
- **Reception (RX):**
  - FM: 65-108MHz
  - AM: 108-136MHz (New)
  - VHF: 136-174MHz
  - 220-260MHz (New)
  - UHF: 350-390MHz (New), 400-480MHz, 480-520MHz (New)



Image 4.1: Visual representation of the AM/FM Aviation Band Receiving capabilities of the BAOFENG K61.



Image 4.2: Illustration of the VHF, 1.25M, and UHF frequency bands supported by the BAOFENG K61.

4.2 One-Key Frequency Match

The intelligent frequency matching feature allows you to quickly detect and join nearby communications.

1. **Activation:** Long press the **[-]** button to enter matching mode.
2. **Auto-Scan:** The radio will automatically detect active transmission frequencies and their corresponding CTCSS/DCS codes.
3. **Save Settings:** Simply press the **[Menu]** button to store the detected frequency and settings.



Image 4.3: Demonstrates how to use the 2-second frequency copy function on the BAOFENG K61. Press the copy key to activate, then the '#' key to switch bands.

4.3 Customized Side Button Functions

The side buttons can be customized to quickly access various functions without programming software. Access Menu Settings 48-50 to assign functions such as:

- Radio on/off
- Alarm on/off
- VOX on/off
- Scan on/off
- Torch (Flashlight) on/off
- Power Selection

4.4 Password Protection

The K61 includes a password protection feature to prevent unauthorized use, especially if the radio is lost or stolen. To enable this function, navigate to the appropriate menu setting and set a power-on password. Each time the radio is

turned on, it will prompt for this password.

4.5 CHIRP Programming

The BAOFENG K61 supports CHIRP programming for advanced configuration and channel management. Ensure you download the latest version of CHIRP software for compatibility.

- **Software Selection:** In CHIRP, select Vendor: **[BAOFENG]** and Model: **[K6]**.
- **Availability:** K6 support in CHIRP is available since 2025/05/30.



Image 4.4: Guide on how to program the BAOFENG K61 using CHIRP software, specifying the vendor and model selection.

4.6 LCD Color Screen

The NA-K61 features an LCD color screen, providing high contrast and resolution for an enhanced visual experience. This screen offers low power consumption, zero radiation emission, and no geometric distortion, distinguishing it from many plain screen radios.


DW
M021
145.225 00
H
M012
464.450 00
DCSH
V/M
BAOFENG
A/B
MENU A
B
C
EXIT D
1 ,.?
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
0



Image 4.5: A detailed view of the BAOFENG K61's LCD color screen, displaying frequency information and battery status.

5. Maintenance

To ensure the longevity and optimal performance of your BAOFENG K61 radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Do not overcharge or deep discharge the battery. If storing for extended periods, charge the battery to approximately 50% capacity.
- **Antenna:** Handle the antenna carefully to prevent bending or damage.

6. Troubleshooting

This section addresses common issues you might encounter with your BAOFENG K61 radio.

Problem	Possible Cause / Solution
Having trouble programming	• Ensure you are using the latest version of CHIRP software. • Select Vendor: BAOFENG and Model: K6 in CHIRP. • Alternatively, use the official CPS (manufacturer software) available at walkietalkiesoftware.com.
Unable to transmit	• Verify that the radio is set to transmit on supported frequency bands (136-174MHz, 220-260MHz, 400-480MHz). • Consider resetting the radio to factory mode. • If the issue persists, contact customer service for assistance.
Radio does not power on	• Check if the battery is properly installed and charged. • Ensure the battery contacts are clean. • If password protection is enabled, ensure the correct password is entered.

7. Specifications

Key technical specifications for the BAOFENG NA-K61 radio:

Feature	Detail
Item Weight	2.23 pounds

Feature	Detail
Package Dimensions	10.13 x 8.47 x 2.44 inches
Item Model Number	BAOFENG NA-K61
Batteries	2 Lithium Polymer batteries required (included)
Manufacturer	BAOFENG
Color	Black
Number of Channels	999
Frequency Range	UHF/VHF/1.25M/NOAA/FM/AM
Talking Range Maximum	10 Kilometer
Voltage	7.4 Volts
Water Resistance Level	Water Resistant
Date First Available	December 24, 2024

8. Warranty and Support

BAOFENG is committed to product quality and customer satisfaction.

8.1 Customer Service

Should you require any assistance, have inquiries regarding our products, or encounter any issues, please do not hesitate to contact our customer service team. We are fully committed to resolving any problems promptly and effectively.

- **Contact Method:** Message us via the Amazon messaging system.
- A dedicated technical team is available to provide professional support.

8.2 Returns and Replacements

The product is eligible for a refund or replacement within 30 days of purchase, subject to Amazon's return policy.

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