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BAOFENG K61

BAOFENG K61 Tri-Band Ham Radio Instruction Manual

Model: K61

1. Introduction

The BAOFENG K61 is a versatile tri-band handheld transceiver designed for amateur radio enthusiasts. It features multi-band transmitting and receiving capabilities, a large memory channel capacity, and various functions including NOAA weather reception, frequency copy, and password protection. This manual provides essential information for the safe and effective operation of your radio.

2. What's Included

Carefully unpack your BAOFENG K61 radio and verify that all items listed below are present:

- 1 x BAOFENG K61 Ham Radio
- 1 x 2600 mAh Battery
- 1 x Standard Antenna
- 1 x Desktop Charger
- 1 x Belt Clip
- 1 x Hand Strap
- 1 x User's Manual

3. Product Overview

3.1 Key Features

- **Tri-Band Transmitting & Receiving:** VHF (136-174MHz), 1.25M (220-260MHz), UHF (400-480MHz). Also receives AM/FM and aviation bands.
- **999 Memory Channels:** Ample storage for your preferred frequencies.
- **USB-C Charging:** Convenient charging via USB-C port on the battery.
- **NOAA Weather Radio:** Dedicated function for weather alerts.
- **One-Key Frequency Match:** Quickly copy frequencies from other radios.
- **Password Protection:** Secure your radio with a power-on password.
- **DTMF Encoder & Manual Dial:** For advanced signaling.

- **VOX (Voice Activated Transmit):** Hands-free operation.
- **Alarm Function:** For emergency signaling.
- **Stopwatch Function:** Integrated timer.
- **Dual Watch/Dual Reception:** Monitor two frequencies simultaneously.

3.2 Radio Components

Familiarize yourself with the main components of your BAOFENG K61 radio:



Figure 1: Front view of the BAOFENG K61 radio highlighting its features.




DW
MO21
145.225 00
H
MO12
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
7 PQRS
8 TUV
9 WXYZ
Z

Figure 2: Detailed view of the BAOFENG K61 radio's front panel.

4. Setup

4.1 Battery Installation

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

4.2 Antenna Attachment

1. Screw the standard antenna clockwise into the antenna connector on top of the radio until it is finger-tight. Do not overtighten.

4.3 Charging the Battery

The BAOFENG K61 battery can be charged using the included desktop charger or directly via its USB-C port.

- **Desktop Charger:** Place the radio with the battery attached into the desktop charging cradle. Ensure the charging contacts align. The indicator light will show charging status.
- **USB-C Charging:** Connect a USB-C cable to the port on the battery pack and to a compatible USB power source (e.g., power bank, PC, car charger).

4.4 Attaching the Belt Clip and Hand Strap

1. Attach the belt clip to the designated slot on the back of the radio.
2. Thread the hand strap through the loop on the top side of the radio.

5. Operating Instructions

5.1 Power On/Off and Volume Control

1. **Power On:** Rotate the power/volume knob clockwise until you hear a click and the display illuminates.
2. **Power Off:** Rotate the power/volume knob counter-clockwise until you hear a click.
3. **Volume Adjustment:** Rotate the power/volume knob to adjust the audio level.

5.2 Switching Between Frequency and Channel Mode

Press the **V/M** button to toggle between Frequency (VFO) mode and Channel (Memory) mode.

5.3 Basic Transmission and Reception

1. Ensure the radio is powered on and an antenna is attached.
2. Select your desired frequency or channel.
3. To transmit, press and hold the **PTT (Push-To-Talk)** button on the side of the radio. Speak clearly into the microphone.

4. Release the **PTT** button to receive.

5.4 NOAA Weather Radio

The BAOFENG K61 can receive NOAA weather broadcasts:

1. Long press the '0' button on the keypad to activate the NOAA Weather Radio function.
2. The radio will scan for available NOAA weather channels.
3. Long press '0' again to exit NOAA Weather Radio mode.

5.5 One-Key Frequency Match (Frequency Copy)

This feature allows you to quickly copy a frequency from another radio:

1. Long press the '[-]' button (often labeled with a square icon) to enter the Match interface.
2. When the other radio transmits, the K61 will search for its frequency and CTCSS/DCS tones.
3. Press the 'Menu' button to save the scanned frequency to a memory channel.



Figure 3: Visual guide for the Frequency Copy function.

5.6 Emergency Alarm Function

To activate the emergency alarm:

1. Long press the top side button (often programmable) to activate the emergency siren and flashing light.
2. Press any key to deactivate the alarm.

5.7 Power-on Password Protection

If enabled, the radio will prompt for a password upon power-on. Refer to the full user manual for instructions on setting and managing the power-on password.

5.8 FM Radio and Flashlight

- **FM Radio:** Short press the top side button (if programmed for FM radio) to turn the FM radio on/off.
- **Flashlight:** Short press the dedicated flashlight button (if available) or a programmable side button to toggle the flashlight on/off.

Video: BAOFENG K61 Features Overview

Your browser does not support the video tag.

This video provides a quick overview of the BAOFENG K61's key features, including its tri-band capability, 999 channels, USB-C charging, NOAA weather function, frequency copy, and stopwatch timer. It demonstrates the radio's display and some basic operations.

6. Specifications

Specification	Value
Model	BAOFENG K61
Memory Channels	Up to 999 channels
Channel Spacing	25.0KHz (Wide) / 12.5KHz (Narrow)
Battery Capacity	2600 mAh
Power Levels (L/H)	2W / Max 5W
RX Only Bands	FM & Aviation Bands
RX/TX Amateur Bands	VHF, 1.25M, UHF
Operation Voltage	DC 7.4V ±10%
Audio Output Power	≥500mW
Operation Temperature	-10℃ to 45℃
Radio Dimensions	121mm x 64mm x 35mm (not including antenna)

Specification	Value
Radio Weight	240g (with battery)
Accessory Connection	2 PIN Kenwood Jack
FCC ID	2AJGM-NAK6
Water Resistance Level	Water Resistant
Talking Range Maximum	5 Kilometer

7. Maintenance

7.1 General Care

- Keep the radio dry. If it gets wet, wipe it immediately.
- Avoid exposing the radio to extreme temperatures or direct sunlight for prolonged periods.
- Clean the radio's surface with a soft, damp cloth. Do not use harsh chemicals or solvents.

7.2 Battery Care

- Charge the battery fully before initial use.
- Do not overcharge or deep discharge the battery.
- If storing the radio for an extended period, remove the battery and store it in a cool, dry place.

8. Troubleshooting

If you encounter issues with your BAOFENG K61, refer to the following common problems and solutions:

- **Radio does not power on:** Ensure the battery is correctly installed and charged. Check the power/volume knob.
- **No reception/poor audio:** Verify the antenna is securely attached. Check the volume level. Ensure you are on an active frequency or channel.
- **Cannot transmit:** Confirm the battery is charged. Ensure you are not in a receive-only mode (e.g., NOAA Weather). Check for proper frequency/channel selection.
- **Programming difficulties:** Refer to the detailed programming sections in the full user manual or consult online resources for specific programming software (if applicable).

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact BAOFENG customer service directly. Keep your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

you@example.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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