BAOFENG F22

BAOFENG F22 FRS Walkie Talkie User Manual

Model: F22

1. Introduction

Thank you for choosing the BAOFENG F22 FRS Walkie Talkie. This device is designed for reliable long-range communication, ideal for various outdoor activities and professional uses. It features 22 FRS channels, privacy codes, NOAA weather alerts, and convenient Type-C charging.



Figure 1.1: BAOFENG F22 Walkie Talkies and Accessories

2. Package Contents

Upon opening your BAOFENG F22 Walkie Talkie package, you should find the following items:

- 2 x BAOFENG F22 Two-Way Radios
- 2 x 1400mAh Li-ion Batteries
- 2 x Belt Clips
- 2 x Hand Straps
- 1 x 2-in-1 Type-C USB Charger Cable
- 1 x User Manual

3. Getting Started (Setup)

3.1 Battery Installation

To install the battery:

1. Locate the battery compartment on the back of the walkie talkie.
2. Align the 1400mAh Li-ion battery with the compartment, ensuring the contacts match.
3. Gently push the battery into place until it clicks securely.
4. Ensure to remove any protective gasket on the battery terminals before installation.



Figure 3.1: Battery Installation

3.2 Charging the Battery

The BAOFENG F22 features a convenient Type-C USB charging port. Before first use, fully charge the battery.

1. Connect the supplied 2-in-1 Type-C USB charger cable to the charging port on the side of the walkie talkie.
2. Connect the other end of the USB cable to a compatible USB power source (e.g., PC, car charger, power bank).
3. The charging indicator on the walkie talkie will show the charging status.



Figure 3.2: Charging Options

3.3 Attaching Accessories

Attach the belt clip to the back of the radio for easy carrying. The hand strap can be attached to the designated loop for added security.

4. Operating Instructions

4.1 Radio Components



Figure 4.1: BAOFENG F22 Components

4.2 Power On/Off

Press and hold the **Power/Call Button** to turn the radio on or off.

4.3 Channel Selection

The BAOFENG F22 supports 22 FRS channels. Use the**UP** and **DOWN** buttons to select your desired channel. Ensure all radios in your group are on the same channel for communication.

Video 4.1: Demonstrates Type-C charging, multi-level volume adjustment, and selection of 22 FRS channels and 155 privacy codes. (Relevant segments: 0:23-0:27 for FRS channels, 0:28-0:36 for Privacy Codes)

4.4 Privacy Codes (CTCSS/DCS)

To avoid interference from other users, you can set privacy codes (50 CTCSS and 105 DCS codes). Refer to the radio's menu for setting these codes. All radios in your group must use the same channel and privacy code to communicate. (See Video 4.1 for demonstration of privacy code selection).

4.5 Volume Adjustment

Adjust the volume using the **UP** and **DOWN** buttons. (See Video 4.1 for demonstration of multi-level volume adjustment).

4.6 Push-to-Talk (PTT) Button

Press and hold the **PTT** button on the side of the radio to transmit your voice. Release the button to listen.

4.7 VOX (Voice Operated Exchange) Function

The VOX function allows for hands-free operation. When activated, the radio will transmit automatically when it detects your voice. Consult the radio's menu for VOX activation and sensitivity settings.

4.8 Flashlight

The built-in LED flashlight can be activated for night lighting or emergency signaling. Refer to the radio's controls for flashlight operation (usually a dedicated button or a long press of a function button).

4.9 NOAA Weather Alert

The F22 supports NOAA weather service, scanning 12 NOAA Weather channels. When the weather alarm function is turned on, the radio will alert you to severe weather risks, providing crucial time to prepare.



Figure 4.2: NOAA Weather Alert Feature

4.10 Channel Scan Function

Activate the channel scan function to automatically scan through active FRS channels. This helps you find ongoing conversations or available channels.

4.11 Call Function and Ring Tones

Use the Call function to send an audible alert to other radios on the same channel. The radio offers 8 ring tone options.

4.12 Keypad Lock

To prevent accidental changes to settings, activate the Keypad Lock feature. This will disable the buttons until unlocked.

5. Range and Performance

The effective communication range of the BAOFENG F22 varies depending on terrain and conditions:

- **Neighborhood:** Up to 0.5 miles
- **Suburbs:** Up to 1 mile
- **Open Area:** Up to 3 miles

Obstructions such as buildings, dense foliage, or hills will reduce the effective range.



Figure 5.1: Communication Range Examples

6. Maintenance

6.1 Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the Type-C port cover is closed when not charging to protect from dust and moisture.

6.2 Battery Care

To maximize battery life, avoid fully discharging the battery frequently. Recharge the battery when the low battery alert

sounds. Store the radio and battery in a cool, dry place when not in use for extended periods.

7. Troubleshooting

Problem	Possible Cause	Solution
No power	Battery low or not installed correctly.	Charge the battery or re-install it correctly.
No sound or weak sound	Volume too low; radios on different channels/privacy codes; interference.	Increase volume; ensure radios are on the same channel and privacy code; move away from sources of interference. (See Video 4.1 for clear sound demonstration).
Short communication range	Obstructions (buildings, hills); battery low.	Move to an open area; ensure battery is fully charged.
Cannot change settings	Keypad lock is active.	Deactivate keypad lock.

8. Specifications

Feature	Detail
Model Number	F22
Channels	22 FRS Channels
Privacy Codes	50 CTCSS, 105 DCS
Battery Capacity	1400mAh Li-ion
Charging Port	Type-C USB
NOAA Weather Channels	12 Channels
VOX Function	Yes
Flashlight	Yes
Item Weight	1.04 pounds (approx. per pair)
Dimensions	8.43 x 6.93 x 2.05 inches (package)
Voltage	3.7 Volts
Water Resistance Level	Not Water Resistant

9. Warranty and Support

9.1 Warranty Information

Please note that the product specifications indicate **NO** explicit warranty provided by the manufacturer for this item. Please refer to the retailer's return policy for any issues within the return period.

9.2 Customer Support

For technical assistance or inquiries, please contact the seller or refer to the BAOFENG brand store on Amazon: BAOFENG Store.

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

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