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BAOFENG GT-22

Baofeng GT-22 License-Free PMR 446 Walkie-Talkie Set User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your Baofeng GT-22 License-Free PMR 446 Walkie-Talkie Set. Please read this manual thoroughly before operating the device and retain it for future reference. The Baofeng GT-22 is a compact and robust two-way radio designed for professional users requiring reliable communication.

2. PRODUCT OVERVIEW

2.1 Package Contents

- 4 x Baofeng GT-22 Walkie-Talkie Units
- 4 x Earphones
- 4 x Rechargeable Lithium-ion Batteries (1500 mAh)
- 1 x USB Charging Cable (Micro USB Y-splitter for multiple units)



Image 2.1: Complete Baofeng GT-22 Walkie-Talkie Set including four radios, four earphones, and a charging cable.

2.2 Key Features

- **License-Free Operation:** Operates on PMR 446 frequencies, requiring no license for use.
- **Compact and Lightweight:** Each unit weighs approximately 105 grams, ensuring comfortable portability.
- **Extended Battery Life:** Equipped with a 1500 mAh rechargeable Lithium-ion battery, providing up to 18 hours of operation.
- **Pre-Programmed Channels:** Devices are pre-programmed with 16 channels for immediate use.
- **VOX Hands-Free Function:** Enables voice-activated transmission for hands-free communication.
- **CTCSS and DCS Codes:** Offers privacy codes for clearer communication.
- **Battery Saver Mode:** Optimizes power consumption to extend battery duration.



Image 2.2: The Baofeng GT-22 walkie-talkie, highlighting its lightweight design (105g) and compact dimensions (5.3"/13.5cm height, 2.0"/5cm width).

3. SETUP

3.1 Battery Installation

1. Ensure the walkie-talkie is powered off.
2. Locate the battery compartment cover on the back of the unit.
3. Slide the cover downwards or unclip it to open.
4. Insert the 1500 mAh Lithium-ion battery, ensuring the contacts align correctly.
5. Replace the battery compartment cover and secure it.



Image 3.1: Rear view of the Baofeng GT-22 showing the battery compartment and the 1500mAh Lithium-ion battery.

3.2 Charging the Battery

1. Connect the Micro USB charging 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., wall adapter, computer USB port, power bank, car charger).
3. The charging indicator light will illuminate, typically red, during charging.
4. Once fully charged, the indicator light will change color, typically green, or turn off.
5. Disconnect the charging cable when charging is complete.



Image 3.2: Various charging methods for the Baofeng GT-22, including wall adapter, laptop, power bank, and car charger.

3.3 Earphone Connection

1. Locate the earphone jack on the side of the walkie-talkie.
2. Insert the earphone plug firmly into the jack.
3. Ensure the earphone is securely connected for optimal audio performance.



Image 3.3: Close-up view of the slim earphone designed for the Baofeng GT-22.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on: Rotate the power/volume knob clockwise until you hear a click and the radio announces "Power On".
- To power off: Rotate the power/volume knob counter-clockwise until you hear a click and the radio announces "Power Off".

4.2 Adjusting Volume

Rotate the power/volume knob clockwise to increase the volume and counter-clockwise to decrease it.

4.3 Channel Selection

The GT-22 features a channel selector knob, typically located on the top of the unit. Rotate this knob to select one of the 16 available channels. Ensure all radios in your group are set to the same channel for

communication.

4.4 Transmitting and Receiving

- **To Transmit:** Press and hold the Push-to-Talk (PTT) button, located on the side of the radio. Speak clearly into the microphone. Release the PTT button when you finish speaking.
- **To Receive:** Ensure the PTT button is not pressed. The radio will automatically receive transmissions on the selected channel.

4.5 VOX (Voice Operated Exchange) Function

The VOX function allows for hands-free transmission. When activated, the radio will transmit automatically when it detects your voice.

1. To activate VOX: Simultaneously press the side button (usually the monitor button) and the PTT button.
2. Power on the radio while holding these buttons. You should hear an audible confirmation, such as "VOX on".
3. To deactivate VOX: Repeat the activation steps, and you should hear "VOX off".

5. MAINTENANCE

5.1 Cleaning

- Wipe the radio's surface with a soft, damp cloth.
- Do not use harsh chemicals, cleaning solvents, or strong detergents.
- Ensure the charging port and earphone jack are free from dust and debris.

5.2 Battery Care

- Avoid overcharging or completely draining the battery regularly to prolong its lifespan.
- Store batteries in a cool, dry place when not in use.
- If the radio will not be used for an extended period, remove the battery.

5.3 Storage

Store the walkie-talkies in a dry, dust-free environment, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on	Battery is depleted or not installed correctly.	Charge the battery. Reinstall the battery, ensuring proper contact.
Cannot transmit or receive	Incorrect channel selected. Out of range. Battery low.	Verify all radios are on the same channel. Move closer to other radios. Charge the battery.

Problem	Possible Cause	Solution
Poor audio quality or static	Interference. Out of range. Volume too low/high.	Change channels. Move to an area with less obstruction. Adjust volume.
VOX not working	VOX sensitivity too low. VOX not activated.	Ensure VOX is activated as per instructions. Adjust VOX sensitivity if configurable (refer to advanced settings if available).

If problems persist after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	BAOFENG
Model	GT-22
Part Number	GT-22
Receiver Technology	VHF
Compatible Devices	Earphones, Same model radios
Key Features	Battery Saver Mode, VOX Hands-Free
Quantity	4 units
Voltage	3.7 Volt
Average Battery Life	18 Hours
Battery Cell Composition	Lithium Ion
Rechargeable Battery Included	Yes
Product Dimensions	36 x 23.2 x 6.5 cm (Package); 105g (Each unit)
Color	Black
Number of Channels	16
Frequency Range	446 MHz

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. Specific warranty terms may vary by region and seller. For technical assistance or inquiries, please reach out to the manufacturer's official support channels.

