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BAOFENG gt-5r

BAOFENG GT-5R Dual Band Two Way Radio User Manual

Model: gt-5r | Brand: BAOFENG

Introduction

The BAOFENG GT-5R is an FCC-compliant dual-band two-way radio designed for amateur radio enthusiasts. It offers reliable communication on 144-148MHz and 420-450MHz frequencies with clean spurious emission. This manual provides essential information for setting up, operating, and maintaining your GT-5R radio.

The GT-5R is compatible with most BAOFENG UV-5R accessories, making it a versatile and accessible choice for both beginners and experienced users.

What's in the Box

Upon unboxing your BAOFENG GT-5R, you should find the following components:

- BAOFENG GT-5R Ham Radio x 1
- 1800mAh Battery x 1
- Desktop Charger & Adapter x 1
- Belt Clip x 1
- Hand Strap x 1
- Headset x 1



Image: All components included with the BAOFENG GT-5R radio, including the radio unit, battery, charger, antenna, belt clip, hand strap, and earpiece.

Video: A detailed unboxing of the BAOFENG GT-5R, showcasing all included accessories and components.

Setup

Battery Installation

Align the battery with the grooves on the back of the radio and slide it upwards until it clicks into place. Ensure it is securely fastened.

Antenna Attachment

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

Charging the Battery

The 1800mAh Lithium-Ion battery should be fully charged before initial use. Optimal battery efficiency is achieved after three full charge and discharge cycles. The charger and battery are designed with matching notches to ensure proper fit. The radio should be powered OFF during the charging cycle if it is inserted into the charger.

Charger LED Codes

LED Color	Status

LED Color	Status
Flashing Red LED	Standby (charger empty), the charger works normally.
Red LED	Charging
Green LED	Charging is complete

Operating

Basic Functions

The BAOFENG GT-5R includes essential functions such as VOX (Voice Operated Exchange) for hands-free operation, MONI (Monitor) for listening to weak signals, and SCAN for sweeping through frequencies.



Image: The VOX function allows for hands-free communication, ideal for situations where holding the radio is inconvenient.

Frequency Range

The GT-5R transmits on 144-148MHz (VHF) and 420-450MHz (UHF) bands. It is designed to comply with FCC Equipment Rule Part 15B and Part 90, ensuring compliant transmit range and spurious emission.



Image: The radio's display showing its FCC compliant frequency ranges for VHF and UHF operation.

Programming

Channels can be programmed manually via the keyboard or through PC software. CHIRP software is highly recommended for easier programming.



Image: The radio connected to a computer, illustrating the use of CHIRP software for efficient channel programming.

Video: Demonstrates the process of connecting the BAOFENG GT-5R to a computer and using CHIRP software for programming, including reading and writing frequencies.

Video: A power output test of the BAOFENG GT-5R, showing its performance on different frequency bands and demonstrating reception of weather radio broadcasts.

Maintenance

General Care

To ensure the longevity of your radio, avoid exposing it to direct sunlight for prolonged periods or placing it near heat sources. Do not modify or tamper with the radio for any reason. This equipment should only be serviced by qualified technicians.

Battery Maintenance

Do not charge your battery in an area with explosive or flammable materials. Always use the provided desktop charger and adapter. If the battery is damaged, replace it immediately.

Troubleshooting

If you encounter issues with your BAOFENG GT-5R, consider the following:

- **No Power:** Ensure the battery is fully charged and properly installed.
- **No Signal/Poor Reception:** Check antenna connection. Verify you are on the correct frequency and within range of the transmitting station.
- **Programming Issues:** Double-check manual programming steps. If using CHIRP, ensure the correct COM port and radio model are selected.
- **Interference:** Move away from potential sources of electromagnetic interference.

For further assistance, refer to the user manual or contact customer support.

Specifications

BAOFENG GT-5R Key Specifications

Feature	Detail
Item Weight	1.04 pounds
Product Dimensions	7.17 x 4.29 x 3.78 inches
Batteries	1 Lithium Ion battery required (included)
Display Type	LCD
Brand	BAOFENG
Color	Black
Number of Channels	128
Frequency Range	144 - 148 MHz (VHF), 420 - 450 MHz (UHF)
Talking Range Maximum	8 Mile
Tuner Technology	UHF/VHF
Voltage	7.4 Volts (DC)
Water Resistance Level	Not Water Resistant

Warranty & Support

The BAOFENG GT-5R comes with an 18-month warranty and lifetime support. For any product-related inquiries or issues, please contact the manufacturer's support channels.

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.

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Question

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Details

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