

BaoFeng

Baofeng BF-H7 10W High Power Ham Radio Instruction Manual

Model: BF-H7

INTRODUCTION

This manual provides detailed instructions for the proper use, setup, operation, and maintenance of your Baofeng BF-H7 10W High Power Ham Radio. Please read this manual thoroughly before operating the device to ensure safe and efficient use. The Baofeng BF-H7 is a versatile two-way radio designed for reliable communication across various environments.

PACKAGE CONTENTS

Upon unboxing, please verify that all items listed below are present and in good condition. If any items are missing or damaged, contact your vendor immediately.

- 1 x Baofeng BF-H7 Portable Radio
- 1 x 2200mAh Li-ion Battery
- 1 x Standard Antenna
- 1 x AR-771 High Gain Antenna
- 1 x AR-805S Mini Short Antenna
- 1 x PL2303 USB Programming Cable
- 1 x Speaker Microphone
- 1 x Power Adapter (US Charger)
- 1 x Desktop Charger Base
- 1 x Earpiece
- 1 x Belt Clip
- 1 x Hand Strap
- 1 x User's Manual (this document)



Image: Complete package contents of the Baofeng BF-H7, including the radio, various antennas, battery, charger, programming cable, speaker mic, and earpiece.

PRODUCT OVERVIEW

The Baofeng BF-H7 features a robust design with a 1.44-inch LCD display and intuitive controls for efficient communication.



STEPS TO OPEN THE BACK COVER



Image: Labeled diagram of the Baofeng BF-H7 radio, indicating the antenna port, volume/power switch, side buttons, PTT button, headphone jack, and LCD display.

Key Features:

- **High Power Output:** Up to 10W for extended range.
- **Large Capacity Battery:** 2200mAh Li-ion battery for prolonged operation.
- **Clear Display:** 1.44-inch LCD screen for easy readability.
- **Dual Band Operation:** Supports both VHF and UHF frequencies.
- **Multiple Antennas:** Includes standard, high-gain, and mini short antennas for various needs.
- **Programming Cable:** PL2303 USB cable for computer-based programming.

BF-H7

Perfect appearance design



10W

High Power



2200MAH

High Capacity



1.44INCH

Large LCD display



Image: Visual representation of the Baofeng BF-H7's core features: 10W high power, 2200mAh high capacity battery, and 1.44-inch large LCD display.

SETUP

1. Battery Installation and Charging

The Baofeng BF-H7 uses a 2200mAh Li-ion battery. Ensure the battery is fully charged before first use.

1. **To Install:** Align the battery with the grooves on the back of the radio and slide it upwards until it clicks into place.
2. **To Remove:** Press the battery release latch (usually at the bottom of the battery compartment) and slide the battery downwards.
3. **Charging:** Place the radio with the battery installed into the desktop charger. Connect the power adapter to the charger and a power outlet. The charging indicator light will show charging status (typically red for charging, green for fully charged).



Image: Illustration of the 2200mAh Li-ion battery, highlighting its capacity, voltage, and estimated standby/working times.

2. Antenna Attachment

Screw the desired antenna (Standard, AR-771, or AR-805S) clockwise onto the SMA-Female connector at the top of the radio until it is finger-tight. Do not overtighten.



ABBREE AR-771 14.96Inch SMA-Female Dual Band High Gain Soft Whip Antenna



Image: Close-up view of the ABBREE AR-771 high-gain antenna, showing its length and SMA-Female connector.



Image: The compact ABBRE AR-805S mini short antenna, with its approximate length of 1.96 inches (5cm) indicated.

3. Programming the Radio

The Baofeng BF-H7 can be programmed via computer using the included PL2303 USB Programming Cable and compatible software (e.g., CHIRP). This allows for customization of channels, frequencies, and various radio settings.

1. Install the necessary drivers for the PL2303 cable on your computer (compatible with Windows XP/7/8/8.1/10 and Mac systems).
2. Connect the programming cable to the radio's accessory port and to a USB port on your computer.
3. Launch your programming software and follow its instructions to read from or write to the radio.

WITH DRIVER CD PL2303 CHIP DRIVE-FREE

Support Computer System:
Win XP / Win 7 / Win 8 / Win10



Image: The PL2303 USB Programming Cable, showing its USB connector and the two-pin radio connector, compatible with various operating systems.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

Rotate the top-left knob clockwise to power on the radio and adjust the volume. Rotate counter-clockwise until a click is heard to power off.

2. Channel Selection

Rotate the top-right knob to select memory channels. The selected channel will be displayed on the LCD screen.

3. Transmitting and Receiving (PTT)

To transmit, press and hold the Push-To-Talk (PTT) button on the left side of the radio. Speak clearly into the microphone. Release the PTT button to receive.

4. Function Keys

The keypad and side buttons provide access to various functions:

- **VOX Function:** Enables voice-activated transmission without pressing PTT. Adjust VOX sensitivity in the menu.
- **Scanning Function:** Scans through programmed channels or frequencies to detect active transmissions.
- **Monitor Function:** Temporarily disables squelch to listen to weak signals or background noise.
- **Busy Lockout Function:** Prevents transmission on an occupied channel.
- **Power Saving Function:** Reduces battery consumption when no signal is received or operation is performed.
- **Time-out Timer (TOT):** Limits the duration of a single transmission to prevent accidental continuous transmission.
- **Emergency Alarm Function:** Activates an audible alarm for emergency situations.
- **Tri-Power (High/Medium/Low):** Adjust transmit power level to suit communication distance and conserve battery.



Image: The Baofeng Speaker Microphone, featuring a side PTT button and a 360-degree rotating clip for convenient use.

MAINTENANCE

1. Battery Care

- Do not short-circuit the battery terminals.
- Do not expose the battery to fire or extreme heat.
- Charge the battery only with the specified charger.
- If the radio will not be used for an extended period, remove the battery.

2. Cleaning

- Clean the radio surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the radio is dry before re-attaching the battery or using it.

3. Storage

- Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep the radio away from dust and moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is depleted.	Ensure battery is properly seated. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or low battery.	Verify frequency/channel settings. Ensure antenna is securely attached. Charge battery.
Poor audio quality or static.	Weak signal, squelch level too high, or antenna issue.	Move to an area with better signal. Adjust squelch level. Check antenna connection.
Channel selector knob jumps multiple channels.	Potential hardware issue or software glitch.	Try restarting the radio. If issue persists, consider reprogramming the radio or contacting support.
Programming cable not recognized by computer.	Missing or incorrect drivers.	Install the correct PL2303 drivers for your operating system. Try a different USB port.

SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Number	BF H7
Power Output	10W (High/Medium/Low Switchable)
Memory Channels	Up to 128 channels
Battery Capacity	2200mAh Li-ion
Display	1.44-inch LCD
Antenna Type	SMA-Female
Antenna Impedance	50 Ohm
Frequency Stability	±2.5ppm
Operating Temperature	-20°C to 60°C
FCC Certification	FCC ID: 2AJGMBF-H6
Dimensions (Radio Only)	Approx. 130mm (H) x 55mm (W) x 30mm (D)
Special Features	Scanning, VOX, Monitor, Busy Lockout, Power Saving, TOT, Emergency Alarm


WARRANTY AND SUPPORT



For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your authorized Baofeng dealer. Keep your purchase receipt as proof of purchase for warranty claims.

For common inquiries and software updates, you may also visit the official Baofeng website or relevant amateur radio forums for community support.

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Related Documents -

	<p>BaoFeng BF-UV5R Programming Guide</p> <p>A comprehensive guide to programming the BaoFeng BF-UV5R dual-band amateur radio using both the manufacturer's software and CHIRP. Covers system requirements, cable setup, software installation, and detailed parameter explanations for radio customization.</p>
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	<p>BaoFeng BF-88A Programming Guide: How to Program Your UHF Radio</p> <p>Learn how to program your BaoFeng BF-88A UHF radio using either the manufacturer's software or CHIRP. This guide covers setup, connections, and parameter adjustments for optimal performance.</p>
	<p>Programowanie Radiotelefonów Baofeng za pomocą Oprogramowania CHIRP</p> <p>Przewodnik krok po kroku dotyczący programowania radiotelefonów Baofeng UV-5R, UV-82, UV-6R, BF-888s przy użyciu kabla USB i oprogramowania CHIRP. Zawiera instrukcje instalacji sterowników, podłączania, konfiguracji pamięci i ustawień zaawansowanych.</p>
	<p>Manual de Configuración Baofeng BF-888S con Software CHIRP</p> <p>Guía completa para configurar tu radio Baofeng BF-888S (WALKIE04) utilizando el software CHIRP. Aprende a conectar, descargar, editar y guardar configuraciones de radio de forma sencilla.</p>
	<p>Baofeng BF-A58 User Manual</p> <p>Comprehensive user manual for the Baofeng BF-A58 two-way radio transceiver, detailing its features, operation, menu settings, and technical specifications.</p>
	<p>Baofeng GT-18 FRS Radio Programming Guide</p> <p>A comprehensive guide for programming the Baofeng GT-18 FRS radio, covering software installation, connection steps, parameter adjustment, and troubleshooting common issues.</p>

