

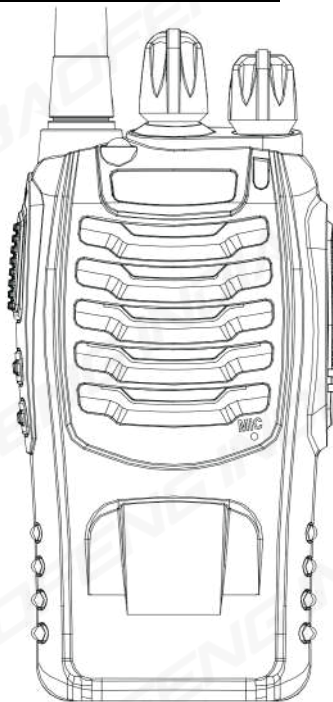


Visit baofengradios.com for Download and Help

BF-888S(PMR)

TWO WAY RADIO

OWNER'S MANUAL





Visit baofengradios.com for Download and Help

User Manual

Thanks for choosing BAOFENG! BF-888S is a FM two-way radio transceiver suitable for use in the 446 private mobile radio service (PMR446). This is a license exempt service, but restrictions of use may apply in some Non-EU countries. For further information, we suggest you look at the "Restrictions on the use" chart.

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS

ATTENTION!

Before using this product, read the RF Energy Exposure and Product Safety Guide that ships with the radio which contains instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulation.

BAOFENG BF-888S is a multi-task PMR 446 transceiver.

Combining the latest technology in radio communication along with a sturdy mechanical frame, BF-888E is the ideal and effective solution for the professionals who need to stay in touch with the working team (in construction sites, buildings, shows, trade fairs or hotels) or for leisure users that just want to keep up with friends and family.

Programming software (optional)

Thanks to BAOFENG Programming software CPS-BF-888S, it is possible to increase the performance of your radio or to reduce its functionality by disabling some of the default features (CTCSS, DCS, ScanAdd, TOT...) For further information, please consult the Programming software manual. Any attempt to change frequencies or output power of the radio invalidates the approval.

Package Contents

- 2 BF-888S transceiver
- 2 1500mAh Li-ion rechargeable battery pack
- 2 belt clip
- 2 desktop charger



Visit baofengradios.com for Download and Help

Frequency Chart

Ch.	Freq.(MHz)	Ch.	Freq. (MHz)	Ch.	Freq. (MHz)	Ch.	Freq. (MHz)
1	446.00625	5	446.05625	9	446. 10625	13	446.15625
2	446.01875	6	446.06875	10	446. 11875	14	446.16875
3	446.03125	7	446.08125	11	446. 13125	15	446.18125
4	446.04375	8	446.09375	12	446. 14375	16	446.19375

Main characteristics

- PMR446 Transceiver
- Channel spacing: 12.5 KHz
- Vocal tuning
- Monitor
- Flashlight
- Output power: $\leq 500\text{mW}$ ERP
- Scan
- Battery save
- Squelch

Battery recharge

BF-888S is equipped for using a 3.7V Li-ion rechargeable battery pack which can be recharged connecting the socket of the AC/DC wall adaptor to a mains power socket and inserting the jack of the wall adaptor into the desktop charger plug. It takes 4-5 hours to fully recharge the radio. For maximum battery life, we recommend charging the battery pack when the BF-888S is off and the battery pack is fully discharged.

! Using a different battery charger other than the one specified can cause damage to your device or may even cause explosions and personal injuries.

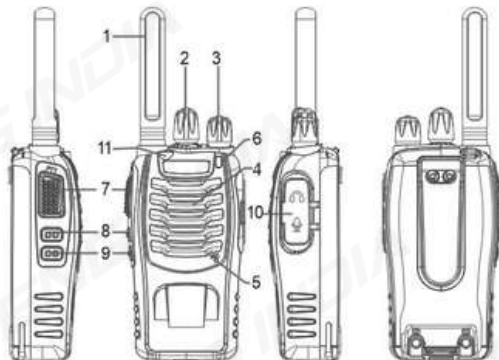
The Battery power saving feature enables a reduction in consumption of up to 50%. If it has been set, it automatically activates when the transceiver does not receive any signal for more than 5 seconds in order to save the battery life. Power saving can be disabled only through Programming software.



Visit baofengradios.com for Download and Help

Main controls and parts of the radio

1. Antenna
2. Encoder: rotate clockwise or counter-clockwise to select the desired channel
3. Power/volume knob-turn clockwise to power on and increase the volume level.
Turn counter-clockwise to decrease the volume level and power off.
4. Speaker
5. Built-in microphone
6. Led indicator: RED - TX; GREEN - RX.
7. PTT: push this button to transmit, release it to receive.
8. Side Key 1: hold down this button to activate the Monitor function.



9. Side Key 2: shortly press this button to turn on/off the flashlight at the top side of the radio.
10. External Speaker/Mic Jack- allows the connection with external devices such as headsets, microphones.
11. Flashlight

Operations

Power on/off and volume adjustment

Rotate the Power/Volume knob clockwise to turn the radio on. Rotate the control clockwise /counter-clockwise to adjust the volume level as you prefer. To turn the radio off, rotate the control counter-clockwise till hearing a mechanical “click”.

Transmission

To communicate, all radios in your group must be set to the same channel. Briefly press the Side Key 1 to enable the Monitor feature in order to make sure that the frequency is not busy, and then press the PTT button. Release the PTT key to receive.



Visit baofengradios.com for Download and Help

Only one user at a time can talk during radio communications. Therefore, it is important not to transmit when you are receiving a communication and use the transmission mode sparingly to allow other users to talk. Transmission consumes a significant amount of energy and should therefore be used sparingly to prolong the battery life. If you are unable to contact a station that you have no problems in receiving, the station may be using CTCSS tones or DCS codes.

Monitor

The Monitor feature is for excluding (opening) the Squelch, in order to listen to signals that are too weak to keep the Squelch permanently opened. Hold down the **Side Key 1** to enable such function.

Scan

This function can be activated only by means of the optional programming software. To enable the Scan function, all 16 channels must be programmed. If you turn on the radio on channel 16, the scanning will automatically start. Whenever any signal is detected, the scanning will stop on a busy channel. If the PTT is pressed, you will transmit on the latest busy channel. Channel 16 is the priority channel; therefore if you don't pick up any signal when you press PTT, the radio will transmit on channel 16.

Squelch

The Squelch function suppresses noises on free channels and allows receiving even weak signals. BF-888S has 10 different Squelch levels that can be set by programming software: 0 means that the Squelch is turned off; from level 1 to level 9 you will have different levels of noise reduction. The higher is the level, the louder will be the Squelch. By default, the Squelch level of BF-888S is set on level 4. Make sure you do not set an excessively high squelch level because in this case you may not be able to receive weaker signals. On the other hand an excessively low Squelch value could enable the Squelch even when no signals are present. Squelch must always be adjusted when no signals are present. The Time Out timer is settable from 30 sec to 270 sec. only through the programming software. This feature is disabled by default.

CTCSS/DCS tones

CTCSS and DCS tones are similar to access codes and enable the radio to communicate only with the users that are tuned on the same channel and have set the same code. For each channel, you can set up to 50 CTCSS tones and 210 DCS codes. The CTCSS/DCS tones are a sort of "access codes" and enable the radio to communicate only with the other users set on the same frequency and on the same CTCSS/DCS tone. Undesired signals coming from other stations set on the same frequency but with different CTCSS/DCS tones won't be received.



Visit baofengradios.com for Download and Help

Flashlight

With BF-888S turned on, shortly press the **Side Key 2** to turn on/off the flashlight at the top side of the radio.

Emergency alert function

If necessary, you can pre-program the **Side Key 1** into the Alarm function via CPS programming software.

Turn on the radio, short press the **Side Key 1** key to turn on the alarm function. Press the **Side Key 1** again to release the emergency alarm status.

CPS programming path: Edit> Function Setting> Side Key> Alarm

Maintenance

Your BF-888S was designed to fulfill any warranty obligations and to enjoy this product for many years.

As for all the electronically devices, we recommend you to follow this few suggestions:

- Do not attempt to open the unit. Non-expert handling of the unit may damage it and/or annul the warranty.
- When using regulated power supply, take notice of power voltage that must be 5V to avoid damages.
- High temperatures can shorten the life of electronic devices, and warp or melt certain plastics. Do not store the radio in dusty or dirty areas.
- Keep the Radio dry. Rainwater or damp will corrode electronic circuits.
- If it appears that the Radio diffuses peculiar smell or smoke, please shut off its power immediately and take off the charger or battery from the Radio.
- Do not transmit without antenna.

Declaration of Compliance – India WPC PMR446

BAOFENG hereby declares that the radio equipment type listed in the Technical Specifications is configured for operation in the PMR446 licence-exempt band in India, i.e. 446.0 MHz to 446.2 MHz, subject to the technical and usage conditions prescribed under G.S.R. 1047(E) dated 18 October 2018, issued by the Ministry of Communications, Wireless Planning and Coordination Wing.



Visit baofengradios.com for Download and Help

Technical Specifications

Specifications

Model Number	BF-888s/PMR
Frequency range IN:	446-446.20
Channel Number	16
Working Voltage	DC 3.7V
Working Temperature	-10°C~+50°C
Antenna	High gain antenna
Antenna Impedence	50 Ω
Working Mode	Simplex

Receiver

Frequency range	EU:PMR
Sensitivity	< 0.2uV
Occupied Bandwidth	≤12.5Khz
Selectivity	≥65dB
Intermediation	≥55dB
Audio power	0.5W
Audio distortion	≤5
Frequency Stability	5ppm
Current	80mA (when standby) 220mA (when working)
Audio response	+7~-12.5dB

Transmitter

Frequency range	IN: 446-446.20
Output power	0.5W
Modulation mode	16KF $\angle$ 3E
Spurious radiation	≤ 7.5uW
Modulation noise	≤-40dB
Modulation distortion	< 5%
Frequency Stability	5ppm
Maximum deviation	≤±5KHz
Current	≤2300mA
Audio response (300-3000Hz)	+6.5~-14dB
Adjacent Ch. power	≥65dB
Intermediation sensitivity	8~12mv



Visit baofengradios.com for Download and Help

Disclaimer

Every effort has been made to ensure the accuracy and completeness of the information contained in this manual during compilation; however, we assume no responsibility for any potential errors or omissions. Due to continuous technological advancements, we reserve the right to change product designs and specifications without prior notice. No part of this handbook may be copied, modified, translated, or distributed in any form without the prior written authorization of our department.

Contact Us:

Manufactured by: Shopperclue Webtrade India Pvt. Ltd.
Unit 614, 6th Floor, Tower -B4,
Spaze IT Park Sohna Road
Sector 49, Gurgaon Haryana 122018
Email: support@baofengradios.com

Sales & Marketed By: G.S. Tele Communication Limited
Unit 614A, 6th Floor, Tower -B4,
Spaze IT Park Sohna Road
Sector 49, Gurgaon Haryana 122018
Email: support@baofengradios.com

E-mail:Support@baofengradios.com

Http://www.baofengradios.com