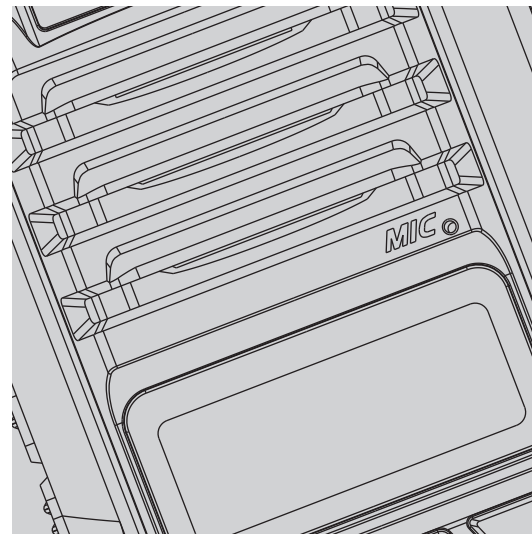




RECYCLED PACKAGING



USER'S MANUAL

Model : BF-A58 , UV-9R , UV-5R WP , GT-3WP
Brand : BAOFENG , pofung

PREFACE

Thank you for purchasing **Dual Band FM Transceiver**. We always offer high performance, stable wireless two way radio. factory developed IP57 water proof two way radio, especially for maritime, shipping users. Please read this manual carefully before use. The information presented herein will help you to derive maximum performance from your radio.

SAFETY INFORMATION:

The following safety precautions shall always be observed during operation, service and repair of this equipment.

- This equipment shall be serviced by qualified technicians only.
- Do not modify the radio for any reason.
- Use only supplied or approved batteries and chargers.
- Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.
- Turn off your radio prior to entering any area with explosive and flammable materials.
- Do not charge your battery in a location with explosive and flammable materials.
- To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any area where posted notices instruct you to do so.
- Turn off your radio before boarding an aircraft. Any use of a radio must be in accordance with airline regulations or crew instructions.
- Turn off your radio before entering a blasting area.
- For vehicles with an air bag, do not place a radio in the area over an air bag or in the air bag deployment area.
- Do not expose the radio to direct sunlight over a long time, nor place it close to heating source.
- When transmitting with a portable radio, hold the radio in a vertical position with the microphone 3 to 4 centimeters away from your lips. Keep antenna at least 2.5 centimeters away from your body when transmitting.



WARNING: If you wear a radio on your body, ensure the radio and its antenna are at least 2.5 centimeters away from your body when transmitting.

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FEATURES AND FUNCTIONS:

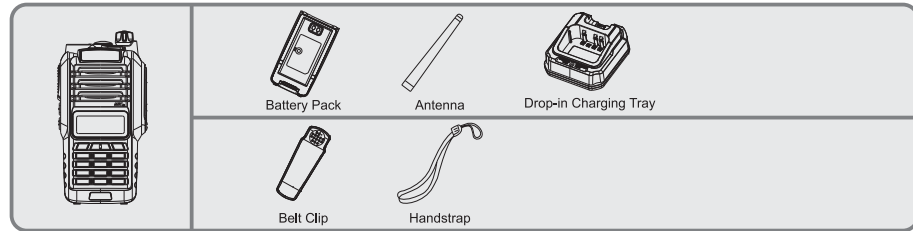
This is a IP57 dust and waterproof resisting two way radio. After 30 minutes into one meter underwater, the radio still works very well. So that its ensure the product reliability in wet environments.

Drop resistance, Rolling resistance
Chinese /English Switchover

- Dual-band handheld transceiver, with display function menu on the display "LCD".
Working Frequency: VHF:136-174MHz UHF:400-480MHz (Rx)
VHF:144-148MHz UHF:420-450MHz (Tx)
- High power/ mid / low (5 W/ 1 W) selectable
- Up to 128 memory channels.
- Cross band reception/transmission
- A variety of display channel number, frequency, channel frequency, channel name, etc.
- CTCSS & DCS
- Tone end of transmission
- Function "VOX" (voice operated transmission).
- DTMF emergency alarm
- ANI code
- Frequency reverse
- Battery saving function "SAVE".
- Emergency SOS sound and light alarm
- Programmable by PC.
- Broadband (Wide 25KHz) / Narrowband (Narrow 12.5KHz), selectable..
- Display illumination and programmable keyboard.
- Built-in LED flashlight

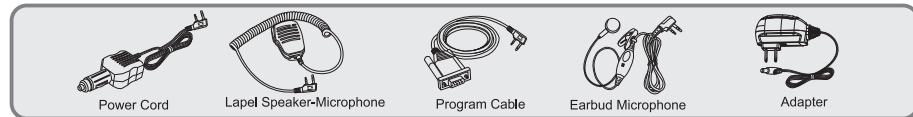
UNPACKING AND CHECKING EQUIPMENTS:

Carefully unpack the transceiver. We recommend that you identify the items listed in the following before discarding the packing material. If any items are missing or have been damaged during shipment, please contact your dealers immediately.



Note:
Items included in the package, may differ from those listed in the table above depending on the country of purchase. For more information, consult your dealer or vendor.

OPTIONAL ACCESSORIES:



Note:
Consult the dealer or retailer for information about options available.

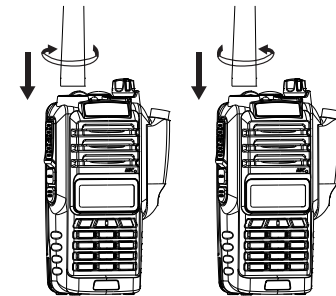
INSTALLATION OF ACCESSORIES:

1.INSTALLING THE ANTENNA:

Install the antenna as shown in the figure below and turn it clockwise until it stops.

Note:

- When installing the antenna, don't rotate it by its top, holding it by its base and turn.
- If you use an external antenna, make sure the "SWR" is about 1.5:1 or less, to avoid damage to the transceiver's final transistors.
- Do not hold the antenna with your hand or wrap the outside of it to avoid bad operation of the transceiver.
- Never transmit without an antenna.

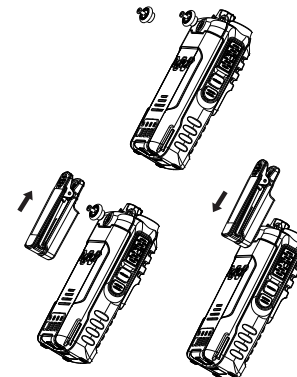


2.INSTALLING THE BELT CLIP:

If necessary, install the belt clip at the rear of the battery compartment cover as shown in the figure below.

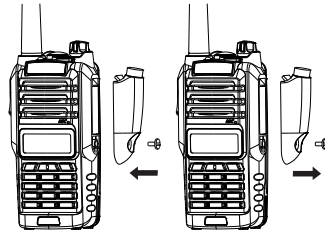
Note:

- Do not use any kind of glue to fix the screw on the belt clip. The solvents Glue may damage the battery casing.



3.MICRO-HEADSET INSTALLATION OF EXTERNAL:

Plug the external micro-headset connector into the jack of "SP. & MIC" of the transceiver as shown in the figure below.

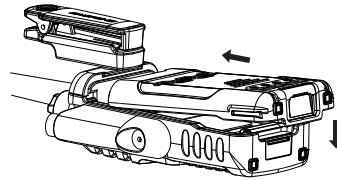


4.BATTERY INSTALLATION:

When attaching the battery, make sure the battery is in parallel and in good contact with the aluminum chassis. The battery bottom is about 1 to 2 centimeters below the bottom of the radio's body.

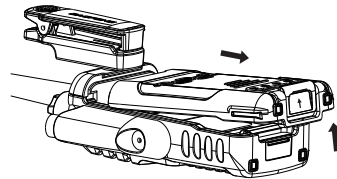
Align the battery with the guide rails on the aluminum chassis and slide it upwards until a "click" is heard.

The battery latch at the bottom locks the battery.



Turn off the radio before removing the battery.

Slide the battery latch, at the bottom of the radio's body, in the direction indicated by the arrow.

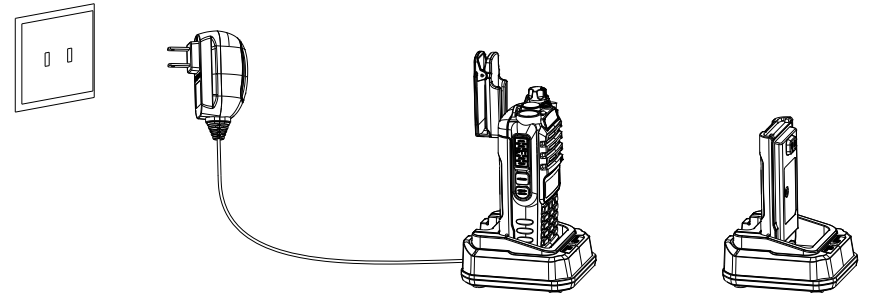


Slide down the battery for about 1 to 2 centimeters, and then remove the battery from the radio's body.

BATTERY CHARGING:

Use only the charger specified by the manufacturer. The charger's LED indicates the charging progress.

CHARGING STATUS	LED INDICATION
Standby (no-load)	Red LED flashes,while Green LED glows
Charging	Red LED solidly glows
Fully Charged	Green LED solidly glows
Error	Red LED flashes,while Green LED glows



Please follow these steps:

1. Plug the power cord into the adapter.
2. Plug the AC connector of the adapter into the AC outlet socket.
3. Plug the DC connector of the adapter into the DC socket on the back of the charger.


4. Place the radio with the battery attached, or the battery alone, in the charger.
5. Make sure the battery is in good contact with the charging terminals. The charging process initiates when the red LED lights.
6. The green LED lights about 4 hours later indicating the battery is fully charged. Then remove the radio with the battery attached or the battery alone from the charger.

BATTERY INFORMATION:

1.INITIAL USE

New batteries are shipped uncharged fully from the factory. Charge a new battery for 5 hours before initial use. The maximum battery capacity and performance is achieved after three full charge/discharge cycles. If you notice the battery power runs low, please recharge the battery.

WARNING: • To reduce the risk of injury, charge only the battery specified by the manufacturer. Other batteries may burst, causing bodily injury and property damage.

 • To avoid risk of personal injury, do not dispose of batteries in a fire!

• Dispose of batteries according to local regulations (e.g. recycling). Do not dispose as household waste.

• Never attempt to disassemble the battery.

2.BATTERY TIPS:

1. When charging your battery, keep it at a temperature among 5°C - 40°C. Temperature out of the limit may cause battery leakage or damage.
2. When charging a battery attached to a radio, turn the radio off to ensure a full charge.
3. Do not cut off the power supply or remove the battery when charging a battery.

4. Never charge a battery that is wet. Please dry it with a soft cloth prior to charge.
5. The battery will eventually wear out. When the operating time (talk-time and standby time) is noticeably shorter than normal performance, it is time to buy a new battery.

3.PROLONG BATTERY LIFE:

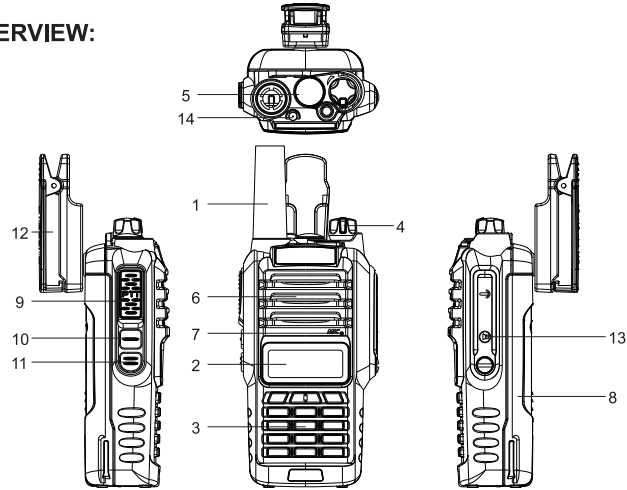
1. Battery performance will be greatly decreased at a temperature below 0°C. A spare battery is necessary in cold weather. The cold battery unable to work in this situation may work under room temperature, so keep it for later use.
2. The dust on the battery contact may cause the battery cannot work or charge. Please use a clean dry cloth to wipe it before attaching the battery to the radio.

4.BATTERY STORAGE:

1. Fully charge a battery before you store it for a long time, to avoid battery damage due to over-discharge.
2. Recharge a battery after several months' storage (Li-Ion batteries: 6 months), to avoid battery capacity reduction due to over-discharge.
3. Store your battery in a cool and dry place under room temperature, to reduce self-discharge.

PARTS, CONTROLS AND KEYS:

1.RADIO OVERVIEW:



1.Antenna	6.Speaker	11. SK-side key2/M
2. LCD	7. Microphone	12. Strap buckle
3. Keypad	8.Battery latch	13. Accessory jack
4. Knob (ON/OFF, volume)	9.PTT	14. LED indicator
5.Flashlight	10. SK-side key1/F	

2.COMMAND/KEY DEFINITION:

Power On:

Rotate PWR/VOL Switch clockwise, you will hear a sound "Beep", report the present channel, the transceiver is ready for working, meanwhile rotate PWR/VOL Switch to adjust the volume

[SOS]Emergency Alarm:

Long press[SOS] to open the alarm function, at this moment, the green light, red light, hand lamp flashes shin at the same time. Press this button again to release the alarm.

[PTT]:

Press and hold PTT button , then talk to the microphone. Release PTT to receive.

SK-SIDE KEY1/[F]:

Press the [F] button, to activate the FM Radio on; Press it again to deactivate the FM Radio.

SK-SIDE KEY2/[M]:

Press the [M] button, to turn on the flashlight; Press it again to turn off. Press and hold on the [M] button, to monitor the signal.

FUNCTION KEYPAD:

[MENU] key:

To enter the menu of the radio and confirm the setting.
Press and hold [MENU] button, then power on, to switch the frequency mode and channel mode.

[▲] [▼]key:

Press and hold [▲] or [▼] key for frequency up or down fast.
Press [▲] or [▼] key, the scanning will be opposite.

[EXIT/AB]key:

To cancel /clear or exit.

While standby, press [EXIT/AB] key to switch between Channel A and Channel B.

Under FM radio mode, press [EXIT/AB] key to switch the FM radio band 88 -108MHz.

NUMERIC KEYPAD:

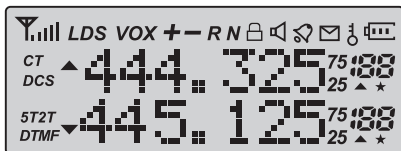
Used to enter information for programming the radio's lists and the non-standard CTCSS

Under transmission mode, press the numeric key to send the signal code(the code should be set by PC software).



"LCD" DISPLAY:

The display icons appear when certain operations or specific features are activated.



Icon	Description
CT	'CTCSS' activated.
DCS	'DCS' activated.

+	Frequency Shift +
-	Frequency Shift -
+ -	Frequency offset direction for accessing repeaters.
S	Dual Watch/Dual Reception functions activated.
VOX	Function 'VOX' enabled.
R	Reverse function activated.
N	Wide Band selected.
☰	Battery Level indicator
🔒	Keypad lock function activated.
L	Low transmit power.
▲▼	Operation frequency.
📶	Signal Strength Level.
:88	Operating channel.
75 25	Operating frequency.

BASIC OPERATION:

1.RADIO ON-OFF/VOLUME CONTROL:

Make sure the antenna and battery are installed correctly and the battery charged. Rotate the knob clockwise to turn the radio on, and rotate the knob fully counter-clockwise until

a 'click' is heard to turn the radio off. Turn the knob clockwise to increase the volume, or counter-clockwise to decrease the volume

Caution: The radio will not sound 'click' if you turn off the voice prompt function.
The boot mode display can be set from Function 38

2. Transmit and Receive:

Choose the correct channel No. or enter the frequency which you need, Then press and hold PTT button, the radio is transmitting now, then talk to the microphone, your sound will be transmitted. Release PTT to receive.

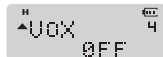
When you press PTT, the LCD shows L, it means the radio is in low power
When you press PTT, the LCD shows H, it means the radio is in High power
Press [PTT] and then press [SOS] to transmit 1750HZ
Press [PTT] then press DTMF Numbers to transmit DTMF

3.FUNCTION "VOX" (VOICE OPERATED TRANSMISSION):

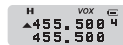
This function is not necessary to push the [PTT] on the transceiver for a transmission. Transmission is activated automatically by detecting the radio voice. When finish speaking, the transmission automatically terminated and the transceiver will automatically receive signal. Be sure to adjust the VOX Gain level to an appropriate sensitivity to allow smooth transmission.

Operate:

- 1.Press[MENU] to menu setting
- 2.Press [▲] or [▼] to Function 4, the screen shows



- 3.Press [MENU], sound "VOX" then press [▲] or [▼] to choose the level 1-10, 10 is the most sensitive level
- 4.Press[MENU] to confirm the setting. The LCD screen shows VOX after this function was setting, for example,
- 5.You can choose the VOX level to OFF, and press[MENU] then you will off this function



4-AUTOLK (keypad Locked Automatically)

The transceiver has two options: auto lock and manual lock

OFF: Turn off auto lock

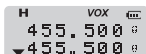
ON: When you set autolock the keyboard press for more than 2 seconds

Operate:

In standby, press [menu] + number key 24, then the screen will display "AUTOLK"
Press [MENU] enter, then press [up] and [down] to select keyboard lock ON or OFF
Press [MENU] to confirm, then press [EXIT] to return to standby.

5.VFO/Channel mode

Turn off the radio, then press [MENU] and rotate the sound knob to turn on the radio, the screen

shows  or  the lower right corner of the LCD displays the channel

number, which means its in the channel mode. In this way, you can also change the channel mode to VFO

SELECTING A FREQUENCY OR CHANNEL:

Press the key [▲] or [▼] to select the desired frequency/channel you want. The display shows the frequency / channel selected.

Press and hold down the key [▲] or [▼] for frequency up or down fast.