

Operational Instructions

To ensure optimal performance and compliance with the occupational/controlled environment RF energy exposure limits in the above standards and guidelines, users should transmit no more than 50% of the time and always adhere to the following procedures:

Hand-held radio operation

Hold the radio in a vertical position with the microphone 5 cm away from the lips and let the antenna farther away from your head.

Notices to the User

Government law prohibits the operation of unlicensed radio transmitters within the territories under government control.

Illegal operation is punishable by fine or imprisonment or both.

Refer service to qualified technicians only.

WARNING: It is important that the operator is aware of and understand hazards common to the operation of any transceiver. Explosive environment(such as gases, dust, fumes, etc). Turn off your transceiver while talking on fuel, or while parked in gasoline service stations.

FCC Information

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE CONDITION THAT THIS DEVICE DOES NOT
CAUSE HARMFUL INTERFERENCE.

MODIFICATIONS OR CHANGES NOT EXPRESSLY APPROVED BY THE
MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THE
EQUIPMENT.

IMPORTANT NOTE: To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face. If you wear, the headset on your body while using the headset accessory, use only the manufacturers supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting. To provide the recipients of your transmission the best sound quality, hold the unit at least 5cm (2 inches) from the mouth, and place the antenna slightly off to one side.



Your radio generates radio frequency electromagnetic energy during transmission mode. The radio is designed for and classified as "Occupational Use Only" and must be used by individuals who are properly trained and aware of these hazards and the means in which to minimize such hazards. This radio is NOT intended for use by the "General Population" or in uncontrolled environments.



To ensure that your exposure to radio frequency electromagnetic energy is within the FCC allowable limits for occupational use, always follow these guidelines:

DO NOT operate the radio without a proper antenna attached, as this may damage the radio and increase your RF exposure. A proper antenna is supplied with the radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio.

DO NOT transmit for more than 50% of the total radio use time (this is a maximum 50% duty cycle radio). Transmitting more than 50% can cause FCC RF exposure compliance requirements to be exceeded. Pressing the PTT switch enables the radio to transmit.

ALWAYS use ONLY authorized accessories with this radio. Use of unauthorized accessories can cause the FCC RF Exposure compliance requirements to be exceeded.

UNIER

TWO-WAY RADIOS

FM TRANSCEIVER

USER'S MANUAL

Modern efficient
with exceptional value



*Palm Size Performance,
Heavy Duty Champion.*

SHENZHEN UNIER TECHNOLOGY CO., LTD.
www.unier.com.cn



To Users

Very appreciate that you purchased UNIER two-way radio. UNIER is dedicated in R&D, manufacturing and selling professional wireless two-way radios. We insist on the concept of “people oriented, technique focused” to design and manufacture. For every single item, we pursue the highest level of quality and easiest way in use. We believe that this model will bring you reliable, easy, and smooth communication guarantee.

To convenience your future repair or inquire about functions of our products, we advise you keep this manual carefully.

This user manual is suitable for the models below:

- F8-1 16 channel VHF FM two-way radio (136-150MHz)
- F8-2 16 channel VHF FM two-way radio (150-174MHz)
- F8-3A 16 channel UHF FM two-way radio (400-430MHz)
- F8-4A 16 channel UHF FM two-way radio (440-470MHz)
- F8-4B 16 channel UHF FM two-way radio (420-470MHz)
- F8-5 16 channel UHF FM two-way radio (350-370MHz)
- F8-6 16 channel UHF FM two-way radio (370-390MHz)
- F8-8 16 channel VHF FM two-way radio (136-174MHz)



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**Safety Instruction**

Before using the two-way radio, please read below safety instructions carefully.

*When speaking into the microphone, please keep your mouth 2.5cm to 5cm away from microphone.

*Use of accessories/ fittings not originally provided or authorized by UNIER may result in risk of being exposed in the excessive electromagnetism environment without enough protection.

*Please using antenna provided or authorized by UNIER. If a damaged antenna comes into contact with your skin, a minor burn can result.

Please turn off your radio when you are instructed to do so.

*Make sure the radio always keeping more than 15 cm away from heart pacemaker. Please do not use radio when driving. Do not store the radio in the upper of safety airbag or any place when any safety airbag spreading might reach to.

*Please turn the radio off in advance to avoid every possible risk of exploding when stepping into the environment with potential exploded gas or dusty or close to demolished and detonator field. Carefully put batteries into pocket, wallet or other bag with mental materials. To avoid exploding, do not put batteries in fire.

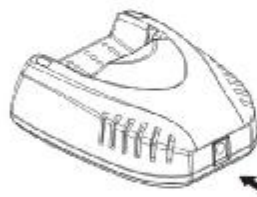
*Repair of radio could only operated by professional technicians. Unauthorized disassemble or adjustment to the radio will affect the validation of warranty services.



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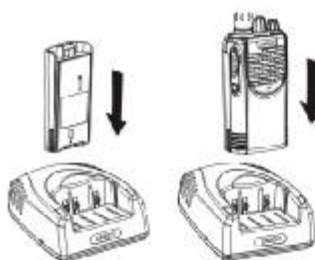
Getting Started:

Please charge batteries prior to initial use, because batteries are not charged when leaving factory.



Put the output cable plug of charger adaptor into the jack, which is on the back of charger.

Connect the power supply of adaptor (220v alternating current)



Put battery or the radio with battery on charger

*Ensure that battery contacts with the charging contacts of charger correctly.

*Charging process started if the light of charger on.

Take battery out from charger pocket if charging finished.

●If you are using Lion Battery Charger, the charger led will turn red into green.

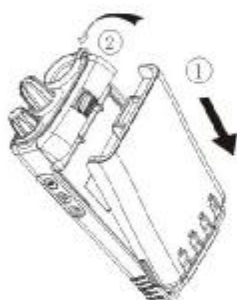
●If you are using Ni-MH Battery Charger, the led will not change when the charging process finished. Therefore, please ensure that your 1100mAh battery has been charged over 8 hours.

Cut off the power supply of adaptor (put off the plug of adaptor from power supply pocket.)

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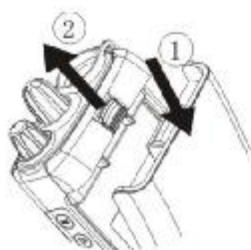
**Accessories List**

Accessories	Quantity
Adaptor	1
Battery Charger	1
Battery Pack	1
User's Manual	1
Guarantee Certification	1
Verification	1
Radio Mainframe	1
Antenna	1



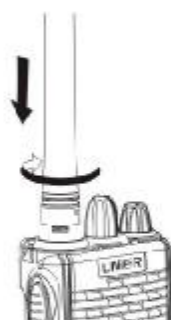
Attaching the Battery:

Fit the extensions at the bottom of the battery into the slots at the bottom of the radio's body. Press the top part of the battery towards the radio until a click is heard.



Removing the Battery:

Turn off the radio, if it is turned on. Slide the battery latches, on both sides of the battery, downwards. Pull the top part of the battery away from the radio's body, and lift the battery from the radio's body.



Attaching the Antenna

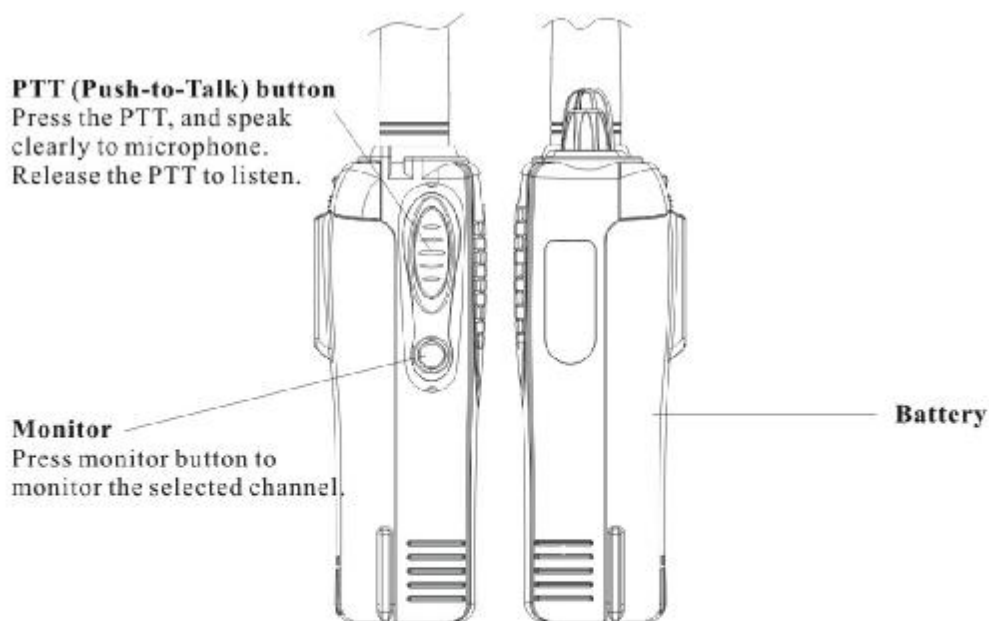
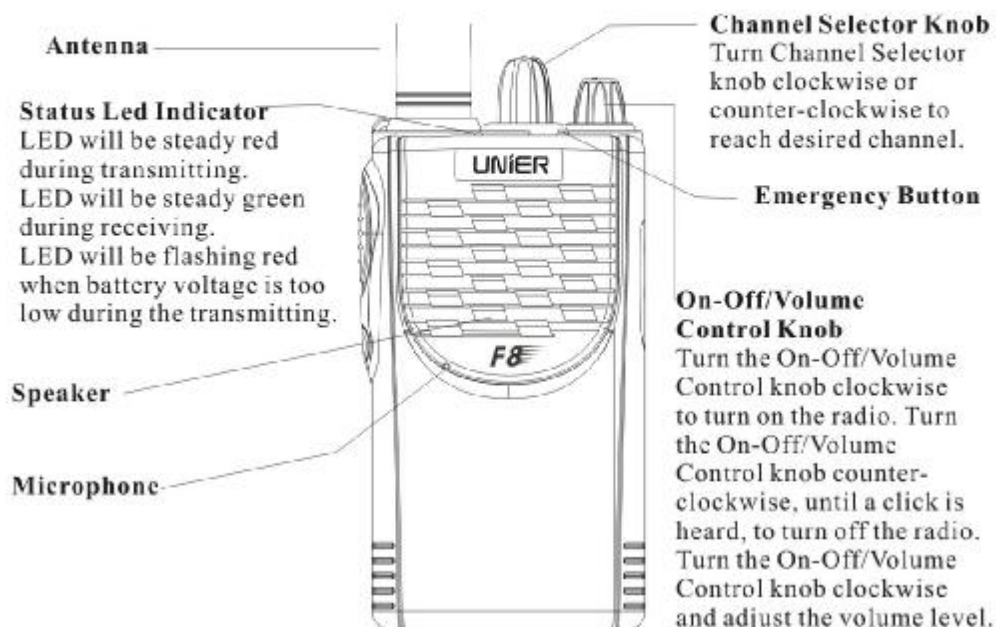
Align the threaded end of the antenna with the radio's antenna connector. Turn the antenna clockwise to fasten it.

Removing the Antenna

Turn the antenna counter-clockwise until you can remove it.



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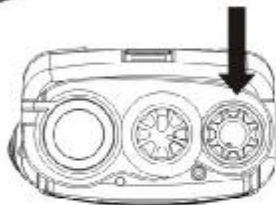


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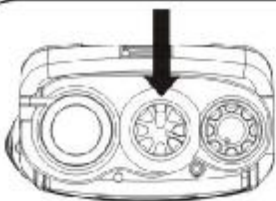
UNIER F8 Operating Instructions



Turn On-OFF/Volume Control knob clockwise, and a “beep” will sound.



Press and hold the monitor button, rotate the volume control knob to adjust volume.



Rotate the Channel Selector knob to select your desired channel. When you receive valid signal, sounds will be heard.



Press the PTT, and speak clearly with your mouth about 2.5 to 5cm (one to two inches) away from the microphone.

Release PTT to receive messages.

Note: When battery voltage is too low, transmission will be prohibited, and status indicator led will flash red.

**Function Introduction**

Time-out Timer: this function can avoid certain user occupying a channel for too long. When you keep transmitting over the time limit, radio will terminate the transmission automatically and generate alert sounds. In this case, you should release the PTT button. When you press PTT button again, radio will resume the transmission. Time-out limit should be set up by your dealer.

Battery Saver: radio will activate battery-saving function automatically when radio has neither received any signal nor be operated for over 10 seconds. When radio received signals or started other operations, battery-saving function will be released automatically. This function should be set up by your dealer.

Low Battery Alert: when battery level is too low, radio will terminate transmission and generate alert sounds automatically; meanwhile led indicator will flash red. In this case, you should change or recharge your battery.

Monitor: This radio has built-in squelch circuit. When no valid call is received, speaker will be muted to eliminate background noise. If you want to turn on the speaker manually, please press and hold the monitor button on the left side of radio, status led indicator will keep green during this period. This function is very helpful when you want to adjust speaker volume or receive weak signals.

QT/DQT: This function can help you to filter irrelevant communications from same channel. When there are irrelevant communications in your channel, led indicator will be green but the speaker is muted. If you want to hear this communication, please press the monitor button on the left side of radio.

Channel Scan: Channel 16 is the scanning channel of F8. F8 supports 13 ways of scanning, please ask the distributors for details.



Emergency Alarm: Press the yellow button on the top of F8, help signal will be sent to the group of people.

Oral Channel Indication: F8 could indicate the channel you entered orally. This function is set by distributors and you could select open or close this function.

Busy Channel Lockout: the interfering to current on-air transmission will be prohibited if you selected this function. This function is also set by distributors.

Sound Delay Elimination: F8 is able to eliminate the delaying sound when release PTT key, and provide you with the better quality of communication.

**Two-way Radio's General Maintenance and Care:**

Store environment: Do not place the radio exploding under sun directly or store it near by hot areas. Do not store the radio in dusty, humid, or wet areas. If the radio got wet, remove the battery and send it to the nearest authorized service facility.

Charging: Please do not charge radio for long time (for example: more than 12 hours) or keep the radio in charging status, otherwise will result in over charging. Over charging will shorten the life of battery or result in insecure worries. Charging process needs to be carried on at 10 to 40 centigrade. Do not use Ni-MH battery charger charge Lion battery, or use Lion battery charger charge Ni-MH battery.

Battery Storage: Battery should be stored in the place, which is dry, temperature between -20 to 45 centigrade, and not in corrosive atmosphere.

Please follow the correct charging method. If the battery's using time considerably reduced, it means that the battery's life is end.

Cleaning: After long term use of radio, button, turn key or radio shell would be dirty, please take off controlling knob out and use mild lotion or wet cloth to clean them. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

Others: Do not attempt to swing or move the radio with its antenna. Please close the dustproof cover if not using earphone or other accessories.



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