

UNIER
TWO-WAY RADIOS

F6

FM TRANSCEIVER

USER'S MANUAL



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

THE USER'S MANUAL

User Safety, Training, and General Information

READ THIS IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION BEFORE USING YOUR UNIER PORTABLE TWO-WAY RADIO.

Compliance with RF Energy Exposure Standards

The two-way radio is designed and tested to comply with a number of national and international standards and guidelines (listed below) regarding human exposure to radio frequency electromagnetic energy. This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environment at duty cycles of up to 50% talk-50% listen and should be used for occupational use only. In terms of measuring RF energy for compliance with the FCC exposure guidelines, your radio radiates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

Note: The approved batteries supplied with this radio are rated for a 5-5-90 duty cycle (5% talk-5% listen-90% standby), even though this radio complies with the FCC occupational RF exposure limits at duty cycles of up to 50% talk.

Complies with the following of RF energy exposure standards and guidelines:

United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J

American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992

Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1999 Edition International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

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.

If you require this machine to be developed or some changed, pleased connect with BFDX or your BFDX dealer.

FCC Caution:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Requirements

Your radio must be properly licensed Federal Communications Commission prior to use. Your Wireless dealer can assist you in meeting these requirements. Your dealer will program each radio with your authorized frequencies, signaling codes, etc., and will be there to meet your communications needs as your system expands.

Precautions

Only qualified technicians are allowed to maintain this product.

Do not use the radio or charge a battery in explosive areas such as coal gas, dust, steam, etc.

Switch OFF the radio while refueling or parking at gas station.

Do not modify or adjust this radio without permission.

Do not expose the radio to direct sunlight over a long time, nor place it close to heating source.

Do not place the radio in excessively dusty, humid areas, nor on unstable surfaces.

Safety: It is important that the operator is aware of and understands hazards common to the operation of any radio.

CE Caution:

Hereby, UNIER TECHNOLOGY CO., LTD. declares that this Tow-way radio is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and the COUNCIL RECOMMENDATION of 12 July 1999 on the limitation of exposure by the general public to electromagnetic fields (0 Hz to 300 GHz) (1999/519/EC).

A copy of the DoC may be obtained through the following address.

5F, Huahan Innovation Park, Building D, Keyuan Roa, Shenzhen, China



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Quantity

Accessories List

Accessories	Quantity
Adaptor	1
Battery pack	1
User's Manual	1
Guarantee certification	1
Charger	1
Radio mainframe	1
Antenna	1
	1
	1



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

*Please use 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 keeps 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 metal materials. To avoid exploding, do not put batteries in fire.

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



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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.

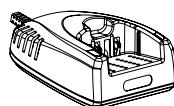
QT/DQT: This function can help you to filter irrelevant communications . When there are irrelevant communications in your channel, led indicator will be green but the speaker is muted. If you want to hear this communication, please press the monitor button on the left side of radio.



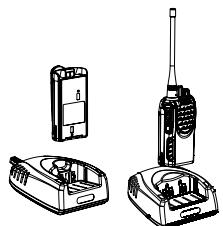
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Getting Started:

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



Connect power supply with charger as below indication, and the charger's left LED will light yellow.



*Align the groove on each side of battery with the corresponding raised rail on each side of the charger pocket.
*Ensure that battery contacts with the charging contacts of charger correctly.
*When battery is properly seated in the pocket, charger's right LED will light red to indicate that charging process is started.

*If you are using 1100mAh NiMH battery, please charge it for 4-5 hours. *If you are using Li-ion battery, the charger LED will turn from red to green when charging is completed.

Remove the battery from charger and disconnect the power supply when charging is completed.



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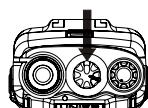
UNIER F6 Operating Instructions



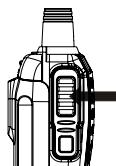
Turn On-OFF/Volume Control knob clockwise, and a “beep” will sound.



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



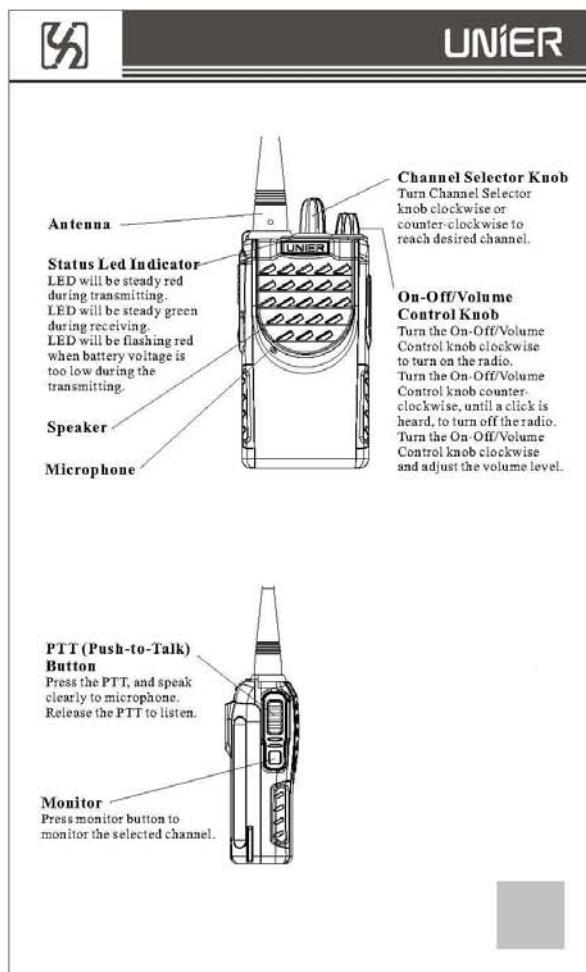
Rotate the Channel Selector knob to select your desired channel. When you receive valid signal, sounds will be heard.



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.







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