

FS-8200 User Manual

SPECIFICATION

Unity sections	
Frequency range	400-470MHZ
Rated Voltage(DC)	DC3.7V(Chargeable Li-ion battery)
Waterproof grade	IP68
Antenna configuration	Inductively loaded antenna
Antenna Impedance	50 Ω
Launching parts	
Output power	5W
Modulation mode	Frequency modulation
Maximum frequency deviation	12.5KHz
Residual wave radiation	<-60dB
Pre emphasis character	Per fold frequency patch 6dB
Receiver	
Sensitivity	<0.16 μ V(12dB SINAD)
Silent sensitivity	<0.20 μ V
Infer modulation interference resistance	50dB
Sound frequency power	$\geq$ 300mW
Receiving	$\leq$ 100mA
Silent waiting	20mA

THANK YOU!

We are grateful you choose this company for your land mobile radio applications. We believe this easy-to-use radio will provide dependable communications to keep personal operating at peak efficiency.

This company radios incorporate the latest in advanced technology. As a result, we feel strongly that you will be Pleased with the quality and features of this product.

SUPPLIED ACCESSORIES

ITEM	QUANTITY
Antenna	1
Lithium Battery	1
Rapid charger	1
Power Transformers	1
Belt Clip	1
User's Manual	1

GETTING ACQUAINTED



Basic Operations

Switch key

1. Long press the  , Turn on or off the walkie-talkie.
2. In boot mode, click this button to Playback channel in use.

Channel selection

Short press "CH +" or "CH -" to select a channel; 2. Long press "CH +" to quickly select a channel up; 3. Long press "CH-" to quickly select a channel down.

▲ key

Short press "▲" to increase the volume, and when the volume is maximum, the prompt tone is "beep" (maximum volume display "U5"); long press "▲" : monitor / scan / power level (definable), and press any key to exit.

▼ key

Short press "▼" the volume to decrease, the volume is the minimum, and the prompt tone is "beep" (the minimum volume display "U1"); long press "▼" is the lock key (except PTT key), and then long press to unlock.

PTT key

Transmit and receive conversion key: when transmitting, press this key and speak into the microphone; when receiving, release this key.

charge

Charging: the blue light is on; Power full: the blue light is off. (this machine uses 7.4V battery power supply and built-in charging boost circuit, so it is more convenient to use 5V charging adapter.).

FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)

this device may not cause harmful interference, and (2) this device must accept any interference received,

including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the

user's authority to operate the equipment.

NOTE: 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.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Hold the transmitter approximately 2 inches (25mm) from your face and speak in a normal voice, with the antenna pointed up and away.

Specific Absorption Rate (SAR) information:

walkie-talkie meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 8.0 W/kg averaged over one gram of tissue. Device types: walkie-talkie has also been tested against this SAR limit.

This device was tested for typical body-worn operations with the back of the walkie-talkie kept 0mm body-worn Side and 25mm Front of face Side. To maintain compliance with FCC RF

exposure requirements, use accessories that maintain 0mm body-worn Side and 25mm Front of face Side separation distance between the user's body and the back of the walkie-talkie. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

RF Energy Exposure Awareness and Control Information and Operational Instructions for Occupational Use

Notice: this radio is intended for use in occupational/controlled conditions where users have full knowledge

of their exposure and can exercise control over their exposure to meet the occupational limits in FCC and

International standards. This radio device is NOT authorized for general population consumer use. Federal Communication Commission (FCC) Regulations

When Waterproof walkie-talkie is used as a consequence of employment, the FCC requires users to be

fully aware of and able to control their exposure to meet occupational requirement. Exposure awareness can

be facilitated by the use of a product label directing users to specific user awareness information. Your

Waterproof walkie-talkie has a RF Exposure Product Label. Also, your Waterproof walkie-talkie Radio

user manual includes information and operating instructions required to control your RF exposure and

satisfy compliance requirements.

Compliance with RF Exposure Standards

Your Waterproof walkie-talkie is designed and tested to compliance with a number of national and international standards and guidelines for human exposure to radio frequency electromagnetic energy. This

radio compliance with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure

environments at operating duty factors of up to 50% talk – 50% listen and is approved for occupational use

only. In terms of measuring RF energy for compliance with these exposure guidelines, your radio generates

measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

Your Waterproof walkie-talkie complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission (FCC), Code of Federal Regulations;
- Institute of Electrical and Electronic Engineers (IEEE) C95.1
- International Commission on Non-Ionizing Radiation Protection (ICNIRP)

RF Exposure Compliance and Control Guidelines and Operating Instructions for Two-Way Radio Operations

To control your exposure and ensure compliance with the occupational/controlled environment exposure

limits, always adhere to the following procedures;

- DO NOT remove the RF Exposure Label from the device
- User awareness instructions should accompany device when transferred to other users.

Operational Instructions and Training Guidelines

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;

- In front of the face, hold the radio in a vertical position with microphone (and other parts of the radio including the antenna) at least one inch (2.5 centimeters) away from the nose or lips.

Keep the

radio at a proper distance is important to ensure compliance.

Note: RF exposure decrease with increasing distance from the antenna.

- Body Worn Operation; when worn the body, always place the radio in an approved clip, holder, or body harness for this product.

Using approved body-worn accessories is important because the use of non-approved accessories may

results in exposure levels, which exceed the occupational/controlled environment RF exposure limits

Using only approved supplied or replacement antennas, batteries, and audio accessories, use of nonapproved antennas, batteries, and wired or wireless accessories may exceed the applicable RF exposure guidelines (IEEE, ICNIRP or FCC).