

FW-990

PoC Radio

- 4G LTE & 3G
- Multi-Network Access
- SOS function
- 2.4 TFT display
- Software off-line update
- Group Calls
- Private Calls
- Screen Rotation

Anywhere Anytime Communications

One button. That is all it takes to connect your team.











Package Contents

Please carefully unpack the radio and check if all items listed below are received. If any item is missing or damaged, please contact Freeway Communications.

ITEM	QUANTITY
MOBILE RADIO	1
MICROPHONE (with clip)	1
ANTENNA (LTE & GPS)	1
POWER CORD (WITH FUSE)	1
MOUNTING BRACKET	1
SIDE MOUNTING SCREWS	1
MOUNTING HARDWARE	1
USER MANUAL	1

Display Icons

Icon	Name	Status
	Signal	More bars indicate stronger signal strength.
	Network availability	Normal network
	GPS	GPS available, no lock.
	GPS	GPS lock, valid position
	Key Lock	.Keypad locked
	SOS	Transmit SOS or Receive SOS
	Records	Radio is recording audio
	Monitor	Radio is monitoring group

Basic Operations

1. Power on

Press the "Volume Control Knob / Power Key"

2. Power off

Long press the "Volume Control Knob / Power Key"

3. Transmitting

Press the PTT button to transmit, keep mouth and microphone spaced at least 5cm apart.

4. Receiving

The LED indicator lights blue, LCD screen displays the transmitter's name when it is receiving.

5. Adjusting the Volume

- a. Rotate the "Volume Control Knob / Power Key" to adjust the volume.
- b. To lock the volume setting, press "Up Key" or "Down Key" after adjusting volume, then press "Menu Key" to confirm.

6. Quick Operation

In standby mode, the other buttons function as such

Up Key: choose group

Down Key: choose member

Back Key: history record

P1: to get the last caller's positioning information

Menu Introduction

- Press **MENU** Key to enter menu
- Press “▲” or “▼” Key to select items
- Press **BACK** Key to return to the previous menu
- Press **MENU** Key to confirm selecting

	Menu	Sub-menu	Function Instruction	
Menu	Choose Group		Select active talk group	
	Friend List		Select from pre-assigned favorite contacts (contacts are set through online portal)	
	User List		Select to make private call with the group member(s)	
	Dispatcher MSG		Enter to see text messages	
	PTT Records		Enter to check the voice records (this will only be active if audio recording is set in the online portal)	
	Contacts		Select from pre-assigned phone numbers to make phone call (non-standard functions not active on most radios)	
	Call Records		Enter to check the phone call voice records (this will only be active if audio recording is set in the online portal)	
	Audio Settings	Sound Quality		Change audio quality settings, Standard / High Quality, (Default High-Quality)
		SPK Level		Adjust speaker receive gain. -2/-1/standard/+1/+2 (Default - Standard)
		MIC Level		Adjust microphone audio gain. -2/-1/standard/+1/+2 (Default - Standard)
Roger Beep			Change channel free indication settings.	

			<p>ON: Tone sounds when free to transmit.</p> <p>OFF: No tone when free to transmit.</p>
	Advanced Setting	Network Mode	Change network discovery mode Switch 2G/3G/4G/AUTO (Default Auto)
		PWR ON Mode	Change power on with button or accessory line voltage (ignition) ACC / KEY (PWR as Power)
		PWR OFF Mode	Change power off with button or accessory line voltage (ignition) ACC / KEY (PWR as Power)
		Rotate	Flip screen for inverted mounting capability. Normal / Inverse
		SOS Mode	Change SOS transmit option settings. OFF: No SOS Call function. Normal: SOS audio alarm every 30 seconds and will stop after 3 cycles. HOT MIC: SOS alarm 30 seconds, automatically activates MIC for 10 seconds, then disables for 20 seconds, and it will end after 3 cycles.
		Record Control	Change audio control settings OFF/ON (this setting will only be active if audio recording is set for the device in the online portal)
		Time Zone	Choose time zone for clock display
		PoC Update	Remote update PoC file (only activate if instructed to do so by Freeway Communications)

Menu	Settings	Backlight	Open: Backlight stays on. Auto: Backlight turns on automatically on key press, radio transmitting, or receiving. Backlight turns off automatically after 10 seconds of no operation. Key: Backlight on automatically on key press. Backlight off automatically after 10 seconds of no operation.
		Brightness	Level options from 1 to 9
		Auto Lock	ON: Keypad locked automatically after 10 seconds of no operation. Only PTT button active until unlocked. OFF: Keypad free use.
		Language	English
		Key Tone	ON: A beep when operating on keys OFF: No voice when operating on keys.
		GPS INF	Enter to check the local GPS location data
		Version	Enter to check the software version, network mode, IMEI



After Sales Support

Warranty Period

Main Unit: One year from the date of purchase.

Accessories: Battery, Charger and Adapter: One year from the date of purchase.

Under the following conditions, warranty will not be granted.

- Warranty claims not made within the Warranty Period.
- The defects are caused by natural disasters.
- The defects occur from misuse, abuse, accident, corrosion, fire, liquid intrusion, or neglect.
- The defects or damage are from improper or unauthorized testing, operation, maintenance, service, repair, installation, alteration, modification, or adjustment.
- Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- The defects that have not been operated in accordance with the procedures described in the operating instructions.
- The defects that have been subjected to unauthorized modifications, tampering, disassembly, use of non-genuine accessories or batteries or repairs (including the addition to our product of equipment which is not supplied or authorized by us) which adversely affect performance of our radio or interfere with our normal warranty inspection and testing of our product to verify any warranty claim.
- Our product which has had the serial number removed or made illegible.
- Product that has its seal(s) on non-user serviceable components or modules broken.
- Freight costs to the repair depot.
- Product that has been subjected to illegal or unauthorized alteration of the software/firmware in our product. Scratches or other cosmetic damage to our product surface that does not affect the operation of our radio.
- Normal and customary wear and tear.

Seller:
Model:

Ser. No:
Date:



FCC / Industry Canada (ISED Radiation Exposure Statement

This equipment complies with the FCC / ISED radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body