G-3800 USER MANUAL

A) FRS, PMR AND UHF OPERATION MODE SETTING

1. Press **"menu"** key bottom and press "↑" key at the same time, then continue to turn on the radio, LCD will display "**CHINA**" mode, you can press "↑" or "↓" key to select your desire mode (CHINA, FRS, PMR, TAIWAN OR UHF)
2. All this mode (CHINA, FRS, PMR, TAIWAN OR UHF) are license free using in the related country.
3. UHF mode is supposed for amateur user should have related license.

B) ICON DISPLAY AND DESCRIPTION

ICON	Function	Setting
🔒	Keypad lock	Press 🄵 key for 3sec
888	Memory channel	PC programming
⏻	APO – auto power off	MENU 8
◇	BEEP keypad tone	MENU 4
■	Negative shift frequency	PC programming
⊞	Positive shift frequency	PC programming
CT	CTCSS	PC programming
DCS	DCS	PC programming
🄵	Function key	[F]
DW	DW - Dual watch	MENU 12
LOW	POW - High/Low power	MENU 2
SAV	BATSAV - Auto power save	MENU 9
VOX	VOX – activate voice transmit	MENU 6
FM	FM radio	[FM]

C) KEYPAD FEATURES

1. **"PTT"** key ; press to talk.
2. **"MON"** key ; press to monitor.
3. **"MENU"** key ; operate with the other key for combination.
4. **"MON"** key ; press to monitor.
5. "↑" / "↓" key : up and down for the selection.
6. **"F"** key : operate with the other key for combination of menu features and also with keypad lock feature.
7. **"FM"** key ; press to turn on radio.

D) GROUP KEY IN SCAN FEATURE

1. **"F" +** "↑" key : active channel scanning in going up direction.
2. **"F" +** "↓" key : active channel scanning in going down direction.

E) MENU SETTING

1. Press **"F"** key, you will see flashing **"F" icon**,, then press **"MENU"** key,
2. Press to select the menu list item you need.
3. Press **"F"** key to enter your desire menu setting, you can select figures then press **"F"** key to save ans exit .

F) MENU LIST AND DESCRIPTION IN UHF MODE

(1) **[F]+[1], "SQL",** select the squelch level from 0-9
(2) **[F]+[2], "POW",** select high power, mid power or low power
(3) **[F]+[3], "CODE",** CTCSS/DCS mode selection
(4) **[F]+[4], "BEEP"**, **keypad sound (BEEP),** sound beep will be occur while press the keypad.
(5) **[F]+[5], "ROGER",** warming tone when finished speaking.
(6) **[F]+[6], "VOX",** voice activate the radio transmitted (instead of PTT)
(7) **[F]+[7], "VOX S"**, select different VOX sensitivity level to fit the operator voice level and activate transmission.

G) MENU LIST AND DESCRIPTION IN FRS & PMR MODE

(1) **[F]+[8], "APO",** Radio will be automatic power off after you preset a desire time.
(2) **[F]+[9], "BATSAV"**, save battery through change standby receiving mode.
(3) **[F]+[10], "BCLO",** Inhibit transmit in busy channel to avoid radio interference.
(4) **[F]+[11], "DC VLT",** activate to display existing voltage.
(5) **[F]+[12], "DW"**, dual watch, monitor operating channel when entry in FM radio mode.
(6) **[F]+[13], "LAMP"**, continue turn on backlight when press any key.
(7) **[F]+[14], "OPNMSG"**, select display different content in LCD when turn on radio.

(8) **[F]+[15], "SCN MD"**, select different scanning method as below :
- **"TO" mode** : when receiving a signal, scan will stop until 5sec (even this signal still in noisy) then it will automatic continue scan again.
- **"CO" mode** : when receiving a signal, scan will stop until this signal completely disappear then it will automatic continue scan again.
- **"SE" mode** : when receiving a signal, scan will completely stop and exit scan mode.
(9) **[F]+[16], "STE"**, clear noise when release PTT after finish speaking (Clear the noise which need all operating radios activate STE at the same time).
(10) **[F]+[17], "TXSTOP"**, inhibit transmit.
(11) **[F]+[18], "DW",** dual watch, monitor operating channel when entry in FM radio mode.
(12) **[F]+[19], "VOX D"**, select different time to extend the transmit time when finishing speaking.
continue turn on backlight when press any key.
(13) **[F]+[120], "WIDNARSG"**, select different channel spacing (12.5KNz or 25KHz).

H) FRS, PMR AND UHF FREQUENCY RANG
(1) **"CHINA",** 409MHz with 20 channels
(2) **"PMR",** 446MHz with 8 channels
(3) **"USA",** 462/467MHz with 22 channels
(4) **"TAIWAN"**, 467MHz with 14 channels
(5) **"UHF",** 400-470MHz with 128 channels PC programming

QUICK OPERATION GUIDE :
1) What mode you select ?
- China/PMR/USA/Taiwan/UHF

2) How to select different mode ?
- press the LOWER (BOTTOM) PART of "Manual key" and press the " ↑ key" at the same time.
- then continue to turn on the radio, you can see (China/PMR/USA/Taiwan/UHF) for your selection.
- Press "Manual key" or PTT key for the save.

Please Note : PC Programming ONLY for UHF Mode.

3) About China/PMR/USA/Taiwan are fix channels (can't change frequency or can't programming), it is design for license free channel and use in the related country.

4) When you program at UHF mode, please check the following
- USB cable is connect OK.
- Programming software is suitable for the Window version.
- USB installation software is installed.
- Com Port is match between programming software & your PC.

I) SPECIFICATIONS

Frequency range	**400-470MHz**
Working Temperature	-20~+60℃
Channel Numbers	128 channels
Operate Mode	Simplex or Semi-duplex
Dimension	98 X 53 X 30 mm
Weight	220g (including battery pack)
Power Output	1W/ 2W//5W
Modulation	FM (F 3 E)
Max Frequency Deviation	≦± 5KHz
Remain wave	<-60dB
TX current	0.7A/1.0A/1.6A
Frequency Stability	± 2.5ppm
RX sensitivity	<0.18uV
Audio power	≧ 400Mw
Standby current	46mA(20 mA when save power status)

CATUTION:

● **Specification subject to change without notice.**