

## ***Instruction Manual***

### **22-Channel Handheld Two-Way-Radio (Walkie Talkie) SAMCOM FWCN30A**

#### **Main Features**

- Frequency: 462.5500~467.7125 MHz
- High/Low TX Power (2W/0.5W) Selectable
- 22 channels
- 154 codes (50 CTCSS & 104 CDCSS)
- 5 km optimal range
- Group function (Dual-Channel Watch)
- 3 VOX levels
- 10 Call tones
- Monitor
- Scan
- Key lock function
- Built-in 1250mAh Li Polymer Battery
- Flashlight
- NOAA & Weather Alert

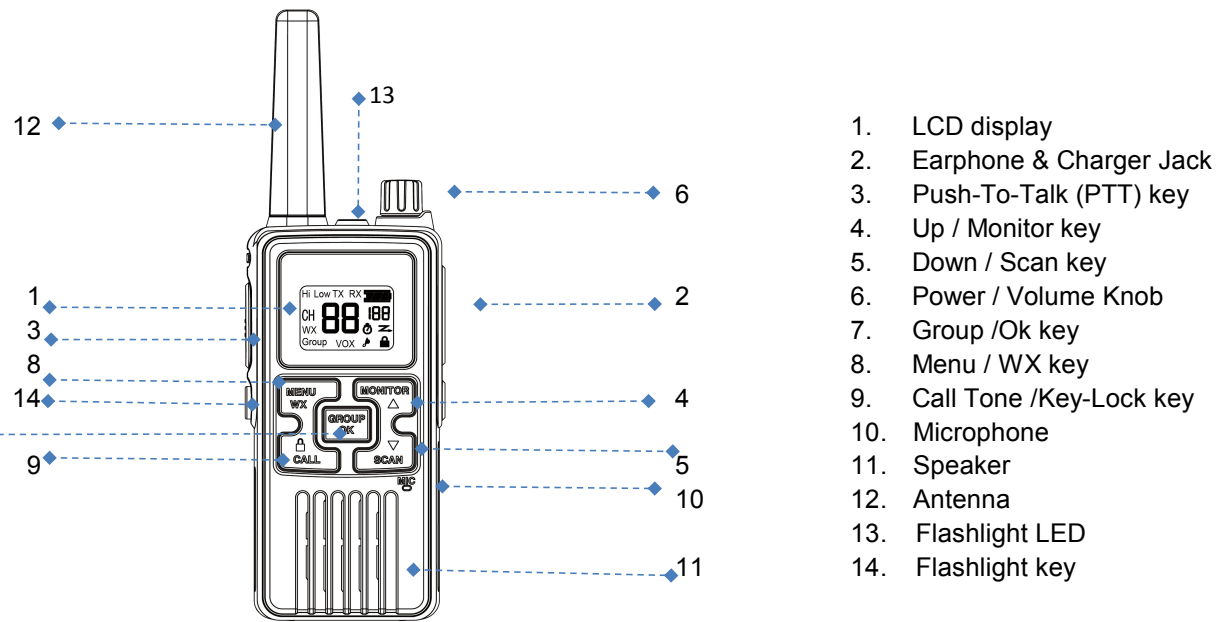


**Facebook**



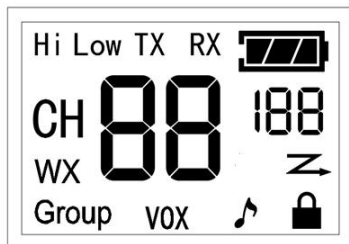
**SANCON INC.**

## Overview



● **GROUP Button** – A broadcasting function (one-to-all) to communicate with all other radios that are programmed to monitor the same group channel (default group = CH 8). Great for home/office wide announcements or check ins.

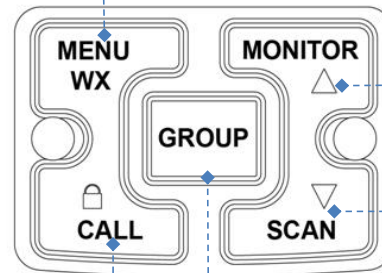
## LCD Display Icons




- |    |               |                              |
|----|---------------|------------------------------|
| 1  | RX            | : Receiving status           |
| 2  | TX            | : Transmitting status        |
| 3  | CH            | : Main (Foreground) Channel  |
| 4  | Group         | : Group (Background) Channel |
| 5  | VOX           | : VOX (Voice-activated TX)   |
| 6  | WX            | : Weather Receiver           |
| 7  | Battery Level | : Battery Level              |
| 8  | 88            | : Channel Number             |
| 9  | 188           | : CTCSS/CDCSS Code Number    |
| 10 | Hi            | : High TX Power              |
| 11 | Low           | : Low TX Power               |
| 12 | Key Lock      | : Key Lock                   |
| 13 | Key Beep      | : Key Beep                   |
| 14 | Channel Scan  | : Channel Scan               |

Press the MENU key, enter into the menu selecting mode and WX mode.

Press ▲ key choice the menu and monitor function,  
Press ▼ key choice the menu and scan function.



Keep press 3 seconds the  key to lock,  
press the key call function will opened

Press the **GROUP** key to speak to all channel ,

## GENERAL OPERATIONS

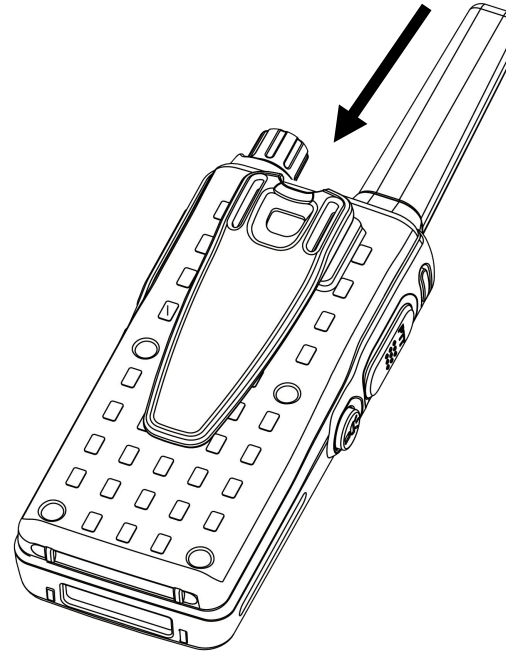
### Install / Removing Belt Clip

#### Installing Belt Clip

- Slide the Belt clip into the slot  
A “click” indicates the Belt Clip is locked into position.

#### Removing Belt Clip

- Pull the belt clip latch forward
- While pulling the belt clip latch, push up the belt clip



#### Battery on First Use

Since batteries leave factory without a fully charging, please charge the new batteries before using. Under normal circumstances, the battery on first use needs 5 hours of charging. The first three times of fully charging and discharging provides batteries the best capacity.

When you find out the battery is low, it is required to charge or replace it.

#### Safety Precautions

1. Do not dispose the batteries in the fire.
2. Do not dispose the batteries as household wastes, and it must be collected and treated properly.
3. Do not rip off the shell from the battery without permission.

*Notes:*

- 1. When charging, the temperature should be between 5 °C ~40 °C, otherwise it may cause the leakage or even damage the battery.*
- 2. Please shut down the transceiver with battery loaded before charging it. The use of the transceiver while charging is ongoing will affect the normal battery charging.*
- 3. Do not put back and charge the battery that is already full, for it will significantly reduce the cycle life.*
- 4. Since continuous charging will shorten the life of the battery, it is unwise to place the transceiver or battery on the charger, or take the charger as a placement seat for the transceiver.*
- 5. Do not charge the battery when it is wet. You should dry it first in order to avoid any danger.*
- 6. If the battery's usage time is very short even when it has been charged in completely correct way, it can be concluded that the battery life is due and should be replaced by a new one.*


Extension of Battery life

1. The performance of the battery will be reduced when the temperature drops below 0°C. In cold weather, it is advised to spare another battery for emergency. Please do not dispose the cold batteries that can not work at low temperature but may be usable at room temperature.
2. It may affect the normal use or charge of the battery, if it is covered with dust. Please clean the battery with dry cloth before loading or charging it.

Knowledge about Battery Storage

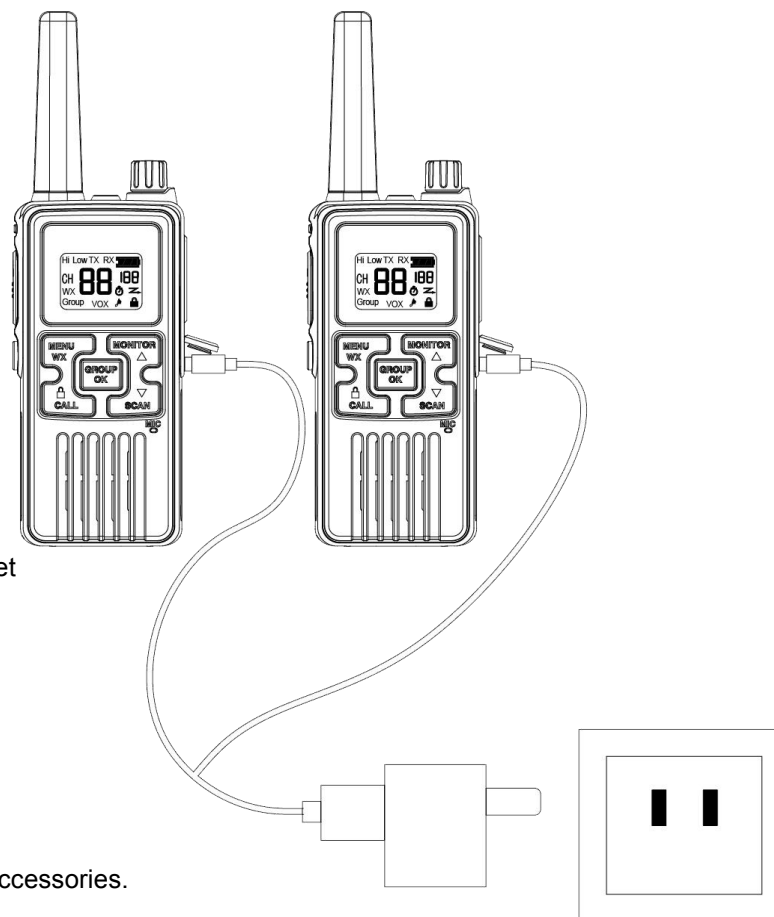
1. Since the battery will self-discharge, please do charge it fully before putting it aside so as to prevent damages caused by over discharge.
2. Please take out the battery after storage for some time to fill it, in order to avoid the reduction of the battery capacity resulting from over discharge. It is proposed for lithium-ion / lithium-polymer batteries to be filled in every 6 months of storage.
3. Please pay attention to the humidity of the battery storage environment. Batteries are supposed to be stored in the environment of room temperature, cool and dry air, to reduce the self-discharge.

## CHARGING BATTERIES

When the “Battery level  icon is low, you need to charge the battery with the enclosed AC/DC adaptor .

### Charging with AC/DC adaptor

- Plug the adaptor into the wall socket and other end into the micro USB socket on the of the radio.
- The LCD “Battery” Icon will flash.
- Each adaptor can connect 2 sets of radio for charging.
- To charge fully from empty require about 5 hours.
- After charged, unplug the adaptor from the socket



### WARNING

- To avoid damage to the radio use only original accessories.
- The radio will be slightly warm during charging.

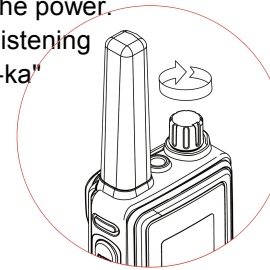
## GENERAL OPERATIONS

### 1. TRANSMITTING RANGE

- The talk range depends on the environmental and terrain. It will be reach (up to about 5km) in wide open spaces, without obstructions such as hills or buildings. Don't try to use two units which are less than 1.5m (5feet) apart. If you do, you may have experience interference.

### 2. POWER ON/OFF

- Rotate the PWR/VOL control knob clockwise until a "ka-ka" sound is heard to turn on the power. When you receive calls ,the knob provides you the ability to change the volume for your listening habits. When shutting down the transceiver, you need to rotate it counterclockwise a "ka-ka" sound is heard.



### 3. MAKING COMMUNICATIONS

The radio has 22 main frequencies and 154 CTCSS/CDCSS codes

You can communicate with any other user who is using the same combinations, providing they are within range.

### 4. SPEAK TO OTHER RADIO

- Press & hold the PTT key, LCD TX icon indicating the radio is transmitting.
- Hold the radio in a vertical position with the microphone 3-5 cm from your mouth and then speak.
- When you finish speaking, release the PTT key.

### 5. LISTEN TO OTHER RADIO

- The radio will automatically sound received signal from the other radio with the same channel and code, and meanwhile LCD shows the icon **RX**
- When you press the PTT key, you can't listen to other radios. Make sure you do not press PTT key for listening.
- Adjust volume control if necessary.

### 6. TALK TIME-OUT FUNCTION

- Time-out function can avoid transmitting by chance and prolong the battery life.
- The radio will stop transmitting and sound a warning tone when PTT is held over 3 minutes. You then need to release PTT and press again for further transmission.
- In VOX mode, the unit will stop transmitting and sound a warning tone after continuous talk for 3 minutes. You can re-activate VOX after the time-out. (Please refer to VOX function for detailed VOX operation).

### 7. GROUP FUNCTION ( Dual-Channel Watch)

The unit has dual-channel watch function. It can monitor two channels at the same time, which are the Main (foreground) and Group (Background) channels, i.e., it can detect signal on either channel.

When the unit detects a signal on the Group channel, it will automatically sound the received signal with LCD showing "Group" icon, Group channel number and associated code number.

When you want to talk to a group of people that have their radios set the Group Channel number to be the same as yours, just do the following.


- Press & hold the GROUP key, LCD displays TX icon, indicating the radio is transmitting on the Group channel.
- Hold the radio in a vertical position with the microphone 3-5 cm from your mouth and then speak.
- When you finish speaking, release the GROUP key.

#### 8. SENDING CALL TONE

You can use 1 of 10 different "Call Tones" to get attention of other user on the same channel with same code.

- Press the **CALL** key and the tone will sound, LCD will display the transmit icon **TX** and your call tone will be sent.

#### 9. SCANNING CHANNELS




- Press the **SCAN** key once and LCD will display  and radio will start scanning.
- LCD display shows the scanning channel one by one.
- It will stop at those channels with signal for a while.

#### 10. MONITOR Function

- Press and hold the **MONITOR** key to have the unit sound signal or noise, whichever occurs on the main channel.
- Release the MONITOR key to turn off the function.

The function is useful to check for activity on the main channel before you talk. When you find the main channel busy, you can change the main channel number to a clear one. Moreover, it also can be handy for the user to verify the volume level of the radio when the radio is not receiving. You can adjust the volume, if necessary.

#### 11. LOCK KEYS

- Press and hold  key for 3 seconds, LCD display  icon.
- All keys are locked except PTT and GROUP /OK keys
- To unlock, press and hold  key for 3 seconds again.

#### 12. MICROPHONE / EARPHONE JACK

The unit is equipped with a microphone / Earphone jack located at the right side. You can use an optional earphone (not included) for handsfree function.

#### 13. High / low TX Power Selection

The radio has default high TX power option for Channels 1 to 7 and 15 to 22. When you know your party is close by, you



can set the channels to low TX power option to conserve the energy of the radio's battery.

- When LCD shows the main screen, press and hold the ▼ key for 3 seconds to change the TX power option between High and Low.

When the radio is set to High TX power, the LCD displays the icon **Hi**. When the radio is set to Low TX power, the LCD displays the icon **Low**.

Note: the channels 8 to 14 have and only have low TX power option, as per FCC regulations.

#### 14. Flashlight FUNCTION

To use the flashlight function

- When the flashlight is not illuminating, press the Flashlight key once to turn and keep it on.
- When the flashlight is illuminating, press the Flashlight key to turn it off.

#### Menu Operation

Press Menu key once to firstly enter main channel selection from the main screen, press again for next function selection etc. The menu operation flow chart is as follows.

**Main Screen → Main Channel → CTCSS/CDCSS → GROUP (Dual-Channel Watch) → VOX → Call Tone → Key Beep → Roger Beep → Main Screen**

#### 9. SELECT CHANNEL

To select the main channel

- Press the **MENU** key once, Main channel number will flash.
- Press ▲ or ▼ to select new Main channel
- Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.

You have 10 seconds to decide before auto-reverting back to the main screen

#### 10. CTCSS/CODE FUNCTION

This function can help you select your group (121 CTCSS/CDCSS codes) of users on the same channel.

Only the users with the same CTCSS/CDCSS code can listen and talk to each other. Please note that selecting a CTCSS/CDCSS code does not assure total privacy.

- Press the **MENU** key twice, **CTCSS/CDCSS code will flash**.
- Press ▲ or ▼ to select new CTCSS or CDCSS code
- Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.

#### 11. GROUP CHANNEL SETTING



By default, all radios have a default GROUP number channel setting of "8". This is the channel that all radios will receive on when someone in your group presses the "Group" button to send a message to everyone.

NOTE: There is no need to change the default GROUP number unless you either:

- Are experiencing interference or cross talk from other radios or intercoms in the area on the current group channel, or
- Desire advanced functionality by organizing your radios into groups that call all receive separate group communications. For example, if you want three different buildings, each with its own group number.

This would be a more advanced configuration and is not needed for your average home or small office.

#### To change the GROUP Number

- Press the **MENU** key 3 times, GROUP with group channel number will flash.
- Press  or  to select new Group Channel
- Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.

#### 12. VOX (Hands-Free Function)

The unit has a built-in Voice Activated Circuit (VOX) function. You can enjoy talking and listening without pressing PTT key. To have better performance, you can use this function with the external earphone (optional accessories).





- Press the **MENU** key 4 times, LCD displays **VOX** icon and VOX sensitivity digit will flash.
- Press  or 

key to select sensitivity level from “OFF , 1, 2, 3” for “OFF, Low, Medium and High respectively.

After turning on the VOX function, LCD will display **VOX** icon. Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.




Please speak close to the mic in order to activate VOX function.

#### 14. SELECTING CALL TONE

- Press the **MENU** key 5 times, LCD will display  icon and call tone number will flash.
- Press  or  to scroll between 1 to 10 and  to select a call tone or turn off the CALL function.
- Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.




#### 15 KEY BEEP ON/OFF

The unit has the function to turn the key beep on or off.

- Press the **MENU** key 6 times, LCD displays the  icon.
- Press  or  to turn the key beep on or off
- Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.

#### 16. ROGER BEEP

The roger beep function enables a short tone signal which is transmitted after releasing the PTT button.




- Press the **MENU** key 7 times, LCD displays the  icon.
- Press  or  to turn the Roger beep on or off

- Press the **GROUP/OK** or **PTT** key to confirm and revert back to the main screen, or the **MENU** key to confirm and continue next function setting.





## WEATHER RECEIVER (WX) FUCNTION

The radio has the capability to tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) Weather Radio and Environment Canada Weather Radio. You can listen to a weather channel or set your radio to alert you to emergency weather broadcasts that interrupt routine broadcasts. When you listen to a weather channel, you cannot use your radio in scan mode or for two-way communications.

### Entering the WX Mode







- In two-way radio mode with the main screen display, press and hold the key  for 3 seconds to enter WX mode, the LCD will display the icons  and  and the unit sounds a noise.

### Setting the WX Channel


- In WX mode, press  key 1 time until WX channel number flashes.
- Press  or  to select the appropriate channel with good reception in your area.
- Press the  key to confirm and continue setting WX.


### Setting the WX Alert

The radio can be set to respond to NOAA Weather Radion emergency meassages. A special alarm tone sounds an alert and turns on the WX to give you immediate weather and emergency information.

- In WX mode, press  2 times until the icon  or  flashes
- Press  or  to turn the WX alert function On or OFF.
- Press  key to confirm and exit setting WX.

### Exiting the WX Mode

- In WX set mode, press and hold the key  for 3 seconds to exit WX mode and return to two-way radio mode.
- After the WX mode is activated either manually or by receiving an alert, if no keys are pressed for 5 minutes, the WX mode will automatically revert back to two-way radio mode.

If you turn on the WX alert function and return to two-way radio mode, the LCD will display the icon  on the main screen in two-way radio mode, which means the WX alert function has been activated and the radio can detect the weather channel signal and two-way radio channel signal at the same time.

## FRS Channel Configuration Chart

FRS Channel	Frequency (MHz)	Default Associated Code	TX Power Option	FRS Channel	Frequency (MHz)	Default Associated Code	TX Power Option
1	462.5500	154	Hi/Low Optional	12	462.6375	146	Hi/Low Optional

2	462.5750	134	Hi/Low Optional	13	462.6625	139	Hi/Low Optional
3	462.6000	82	Hi/Low Optional	14	462.6875	75	Hi/Low Optional
4	462.6250	145	Hi/Low Optional	15	462.7125	142	Hi/Low Optional
5	462.6500	81	Hi/Low Optional	16	467.5625	141	Fixed to Low
6	462.6750	80	Hi/Low Optional	17	467.5875	74	Fixed to Low
7	462.7000	79	Hi/Low Optional	18	467.6125	140	Fixed to Low
8 (as Group)	462.7250	144	Hi/Low Optional	19	467.6375	73	Fixed to Low
9	462.5625	78	Hi/Low Optional	20	467.6625	72	Fixed to Low
10	462.5875	143	Hi/Low Optional	21	467.6875	71	Fixed to Low
11	462.6125	77	Hi/Low Optional	22	467.7125	70	Fixed to Low

### NOAA Weather (WX) Channel Frequency Chart

Weather Channel	Frequency (MHz)	Weather Channel	Frequency (MHz)	Weather Channel	Frequency (MHz)	Weather Channel	Frequency (MHz)
WX1	162.550	WX4	162.425	WX7	162.525	WX10	161.750
WX2	162.400	WX5	162.450	WX8	161.650	WX11	162.000
WX3	162.475	WX6	162.500	WX9	161.775		

### CTCSS Code Frequency Chart

Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)
1	67.0	8	88.5	15	110.9	22	141.3	29	179.9	36	233.6	125	171.3	132	229.1
2	71.9	9	91.5	16	114.8	23	146.2	30	186.2	37	241.8	126	177.3	133	254.1
3	74.4	10	94.8	17	118.8	24	151.4	31	192.8	38	250.3	127	183.5		
4	77.0	11	97.4	18	123.0	25	156.7	32	203.5			128	189.9		
5	79.7	12	100.0	19	127.3	26	162.2	33	210.7	122	69.3	129	196.6		
6	82.5	13	103.5	20	131.8	27	167.9	34	218.1	123	159.8	130	199.5		
7	85.4	14	107.2	21	136.5	28	173.8	35	225.7	124	165.5	131	206.5		

### CDCSS Octal Code Chart

Code No.	OCT Code	Code No.	OCT Code	Code No.	OCT Code	Code No.	OCT Code	Code No.	OCT Code	Code No.	OCT Code	Code No.	OCT Code	Code No.	OCT Code
39	023	52	074	65	165	78	271	91	413	104	565	117	731	142	255
40	025	53	114	66	172	79	306	92	423	105	606	118	732	143	266
41	026	54	115	67	174	80	311	93	431	106	612	119	734	144	274
42	031	55	116	68	205	81	315	94	432	107	624	120	743	145	325
43	032	56	125	69	223	82	331	95	445	108	627	121	754	146	332
44	043	57	131	70	226	83	343	96	464	109	631	134	036	147	356
45	047	58	132	71	243	84	346	97	465	110	632	135	053	148	446

46	051	59	134	72	244	85	351	98	466	111	654	136	122	149	452
47	054	60	143	73	245	86	364	99	503	112	662	137	145	150	454
48	065	61	152	74	251	87	365	100	506	113	664	138	212	151	455
49	071	62	155	75	261	88	371	101	516	114	703	139	225	152	462
50	072	63	156	76	263	89	411	102	532	115	712	140	246	153	523
51	073	64	162	77	265	90	412	103	546	116	723	141	252	154	526

## SAFETY TRAINING INFORMATION



**Your SANCON radio generates RF electromagnetic en-ergy during transmit mode. This radio is designed for and classified as "Occupational Use Only". Meaning it must be used only during the course of employment by individuals aware of the hazards,**

**Warning and the ways to minimize such hazards. This radio is not intended for use by the " General Population" in an uncontrolled environment.**

This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only." In addition, your Quansheng radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01ro3, Evaluating Compliance with Fcc Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

- American National Standards Institute( C95.1-1992), IEEE Standard for safety levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3kHz to300 GHz
- American National Standards Institute( C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields -RF and Microwave.



To ensure that your exposure to RF electromagnetic energy is within the FCC allowable limits for occupational use, always adhere to the following

**CAUTION guidelines:**

- **DO NOT** operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed FCC RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacture or an antenna specifically authorized by the manufacturer for use with this radio.

- **DO NOT** transmit for more than 50% of total radio use time ("50% duty cycle").

Transmitting more than 50% of the time can cause FCC RF exposure compliance requirements to be exceeded. The radio is transmitting when the "TX indicator" lights red. You can cause the radio to transmit by pressing the "PTT" switch.

- **ALWAYS** use SANCON authorized accessories( antennas, batteries, belt clips, speaker/mics, etc). Use of unauthorized accessories can cause the FCC RF exposure compliance requirements to be exceeded. Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and that provide at least 1.5 cm separation between the device, including its antenna, and the user's body. To provide the recipients of your transmission the best sound quality, hold the antenna at least 5 cm (2 inches) from mouth, and slightly off to one side. The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to assure that this radio operates within the FCC RF exposure limits of this radio.

#### **Electromagnetic Interference/Compatibility**

During transmissions, your SANCON radio generates RF energy that can possibly cause inference with other devices or systems. To avoid such interference. Turn off the radio in Ares where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

This device complies with Part95 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 except any interference received, including interference that may cause undesired operation

## 说明书

### SAMCOM FWAN10A

10通道手持对讲机（可直接与FTAN10T 对讲）

#### 注意事项

- 使用前请详细阅读此说明书
- 避免阳光直接照射或放在很热的地方
- 不可用于油站，煤矿等易燃易爆的环境中
- 不可用于高浓度粉尘等易爆的环境中
- 用干净的布清理机上的污迹，不可用酒精或其他化学品擦拭或将其他液体流入机内部
- 不要敲击和摔打避免损坏液晶显示屏

注意：

处理废旧电池（NO BATTERY INCLUDE  
在包）根据指令。



#### 10-信道手持式对讲机

- 这是一款与INTERCOM FTA  
它的频道与FTAN10A 一致  
可使用该手持机方便与台
- 该对讲系统可以一对一讲

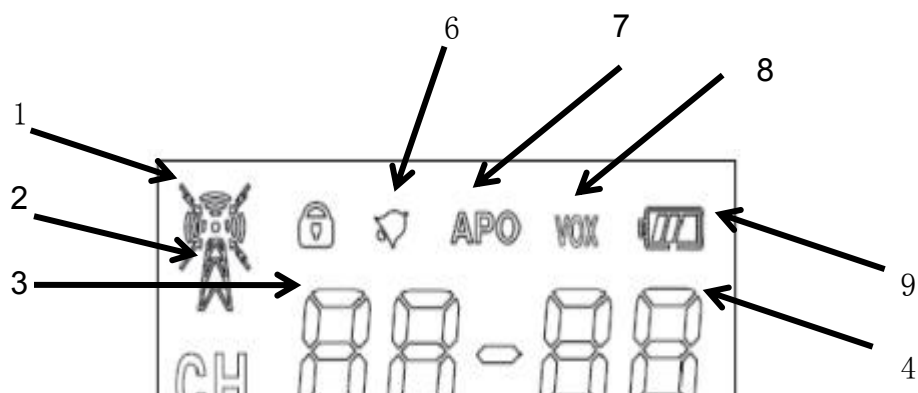
#### 主要特性

- 472 MHz 公众使用免费频道  
10 个信道， 3组号码
- VOX
- Roger Bee On/Off
- Auto Power Off(APO)
- 10 Call Tones

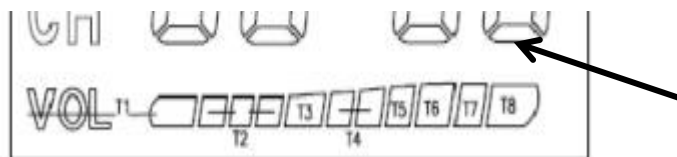
# Overview



## LCD Display







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## Install Battery

- Insert a coin to the battery door gap.
- Turn the coin with some force to open the battery door as shown on photo A
- Follow the polar directions and insert 3 x AAA size batteries.
- Close the battery door as show on photo B
  1. Insert the battery door
  2. Then, Press down the battery door to close it tight.

### 操作说明

#### 1 开机/关机

要开机，按**MENU**键**2**秒钟，直到听到嘟嘟声，**LCD**显示器开启  
要关机。按**MEUN**键**2**秒钟，直到**LCD**显示屏关闭。

#### 2 通话信道

该机有**10**个频道共**3**组号码， 有效距离范围内有**33**个通道共选择，

#### 3讲话给其他机

按下并按住**PTT**键**LCD TX**图标指示无线电信号传递  
与麦克风距离**3-5**厘米，然后讲话。  
讲话结束后，松开**PTT**键。

#### 4听其他机讲话

号码相同的机讲话过来时，自动发声无需操作任何按键  
当您按下**PTT**键。你听不到其他机的声音。确保你不要按**PTT**键收听。

#### 5调整扬声器音量（8级）

按向上键+增大音量

按向上键 - 降低音量

## 6 LCD背光开启/关闭

需要时按LAMP键开启LCD背光亮。

再次按下LAMP键LCD背光关闭

备注。

一般对讲无需打开LCD 背光， 长期点亮背光费电。

## 7. MENU菜单流程图

按下MENU 菜单键进入信道选择， 再按一次进入功能选择

→ 信道选择 → ABC 组选择 → VOX 声控对讲 → Call Tc  
→ Main Screen

## 8. 选择号码

选择号码

按MENU键一次，LCD显示闪烁的是号码。

按“+”或“-”键选择您所需的号码。

按PTT键确认并退出或按MENU键继续下一个功能设定。

13秒后，自动回复到初始屏幕。

## 9. ABC 档位切换

按下 MENU 键2次，1,2,3 会显示和闪烁

按 + 或 - 键可选择 1, 2,3 A=1 B=2 C=3

按下PTT键确认并退出， 或按MENU 键继续以下设置。

## 10. VOX（不用手完成对讲功能）

该装置具有一个内置的语音激活回路分析（VOX）功能。您可以享受聊天，听不按PTT键

按MENU键3次。LCD显示VOX图标，VOX灵敏度从OFF 1, 2,3为OFF低中高

开启VOX功能。LCD显示VOX图标。按下PTT确认并退出激活VOX功能。

## 11.发送呼叫声音 CALL TONE

您可以使用10的不同的“呼叫音”来 获得其他用户的注意，同一个通道不同的呼叫音代表不同

按下按键， 你会听到不同的音乐。LCD会显示发射图标  ，你的来电铃声已被设置

## 12 选择呼叫声音 SELECTING CALL TONE

按MENU键4次，LCD显示器1CR图标，来电铃声号闪烁

按+或- 从01到08键来选择您想要的来电铃声

按继续下一个功能设置。

## 13自动关机（APO）


按MENU键5次，LCD显示器APO 图标。

按+或- 键，从0~4小时选择自动关机时间

按下PTT键确认并退出或按MENU键返回主屏幕。  
开启该功能。LCD会显示APO图标，并自动关闭在指定的时间。

#### 14 按键声音的开关 KEY TONE ON / OFF

按MENU键6次，LCD显示屏上的显示ON为（按键音开）或OF（按键音关）  
按+或-键切换键调整或关闭

显示屏显示  图标表示按键声音开启。此图标消失，表示按键音关闭。  
按下PTT确认并退出或按MENU键继续下一个功能设置。

#### 15 ROGER BEEP 蜂鸣器的声音

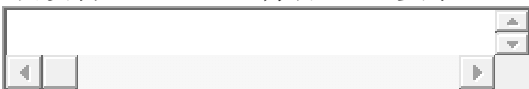
蜂鸣器功能，按PTT发射或放开PTT 会发出短暂的蜂鸣器声音提醒。

按MENU键7次显示ON or显示蜂鸣器的声音开启, OF or显示蜂鸣器的声音关闭  
按+或-键切换蜂鸣器开启或关闭。

按下PTT确认并退出或按MENU键继续下一个功能设置。

#### FCC合规性声明

该设备FWAN10A符合FCC 要求



## 的特点

DN10A 相对应的手持机。

2. 户外或移动状态时可

式机对讲

3. 也可使用群呼号码一对多讲

1. Antenna
2. LCD display
3. PTT(Push to Talk) Key
4. LAMP Key = LCD Backlight On/Off key
5. Call Tone Key
6. Menu Key
7. Up Key
8. Down Key
9. Micphone
10. Speaker

1. Receive Signal
2. Transmit Signal
3. Main Channel
4. A B C groups
5. Volume Level
6. KEY Tone
7. Auto Power Off enable

- 8. VOX Enable
- 9. Battery Level

one → APO → Key tone → Roger Beep

司的人。  
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# Instruction Manual

## **SAMZUK FWAN1A**

### **22-Channel Wakie Talkie For Intercom**

#### **PRECAUTIONS**

Read this manual before use the radio

Avoid the direct exposure to solar rays and/or in front of heat

Do not operate the radio in hazardous environments, explosion or fire may result.

Do not operate the radio in high humidity dusty or explosive environment.

Clean by using a cloth slightly dampened. Do not use alcohol, solvents or abrasives etc.

Do not attempt to modify the radio. The radio is designed to comply with FCC

The LCD display is made of glass and maybe damaged it dropped or impacted.

#### **CAUTION:**

DISPOSE OF USED BATTERIES (NO BATTERY INCLUDE IN THE PACKAGE) ACCORDING TO THE INSTRUCTION.

#### **Model FWAN1A**

#### **Main Features**

Walkie Talkie 472 MHz ( Licer

22 Channels

3 CTCSS sub-codes

VOX

Roger Bee On/Off

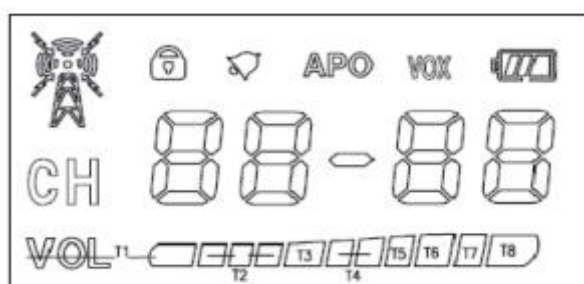
Auto Power Off(APO)

10 Call Tones

SCAN( main channel only)

More detail information & product you can  
[www.samzuk.com](http://www.samzuk.com)

## Instation



↓  
**LOCK**

↓  
**TALK**

↓  
**GROUP**

↓  
**BUTTEN**



[POWER /MENU]: Power on-of  
[PTT] : Press the key  
[DOWN] : Scroll down  
[UP] : Scroll up th  
[CALL] : Press once fo



## GENERAL OPERATIONS

### 1 POWER ON/OFF

To power on the radio , press MENU key for 2 seconds until a beep is heard and the LCD display turns on.  
To power off the radio. Press MEUN key for 2 seconds until LCD display turns off.

### 2 MAKING COMMUNICATIONS

The radio has 22 main frequencies and 3 CTCSS codes effectively giving you 66 channels to avoid interference with any other user who is using the same combinations, providing they are within range.

### 3 SPEAK TO OTHER RADIO

Press & hold the PTT key LCD TX  Icon indicating the radio is transmitting

Hold the radio in a vertical position with the microphone 3-5 cm from your mouth and then speak.  
When you finish speaking , release the PTT Key and a beep tone will be heard.

### 4 LISTEN TO OTHER RADIO

The radio will automatically sound received signal from the other radio with the same channel when you press the PTT key. You can't listen to other radios. Make sure you do not press the PTT key.  
Adjust volume control if necessary.

### 5 ADJUSTING SPEAKER VOLUME ( 8 LEVELS)

Press the up key + to increase the volume

Press the up key - to decrease the volume

### 6 LCD Backlight On/Off

Press the LAMP key to turn on LCD backlight when necessary.

Press the LAMP key again to turn off LCD backlight

## REMARKS.

Please always turn off the LCD backlight after use or otherwise, it will drain the LCD backlight battery.

### 7. MENU FLOW CHART

Press Menu key MENU once to enter main channel selection. Press MENU again for next function.

Main Screen → Main Channel → CTCSS → VOX → Call Tone → APO →  
→ Main Screen

## 8. SELECT CHANNEL

To select the main channel

Press the MENU key once, Main channel number displayed will flash.

Press "+" or "-" key to select your desired main channel number.

Press the PTT key to confirm and quit or press MENU to continue next function setting.

You have 13 seconds to decide before auto-reverting back to the main screen.

## 9. CTCSS CODE FUNCTION

This function can help you select your group (38 CTCSS codes) of users on the same channel. The same CTCSS code can listen and talk to each other, please note that selecting a CTCSS code means total privacy in radio communication. Any FRS radio can listen to all communications on the channel when using the default standard setting with Ctcss= 0 (OFF)

Press the MENU key twice, CTCSS code display with flash

Press + or - key to select your desired CTCSS code from 1 to 38 0 is OFF

Press the PTT key to confirm and quit or press MENU key to continue next function setting.



## 10. VOX (Hands-free function)

The unit has a built-in Voice Activated Circuit (VOX) function. You can enjoy talking and listening without holding the microphone. Press the MENU key 3 times. LCD display VOX icon and VOX sensitivity level from OFF 1, 2, 3, respectively.

After turning on the VOX function. LCD will display VOX icon. Press PTT to confirm and quit.

## 11. SENDING CALL TONE

You can use 1 of 10 different "Call Tones" to get attention of other user on the same channel.

Press the  key and you will hear the tone. LCD will display the transmit icon  and you

## 12. SELECTING CALL TONE

Press the MENU key 4 times, LCD display 1CR icon and call tone number will flash

Press + or - key to select your desired call tone from 01 to 08

Press to continue next function setting.

## 13. AUTO POWER OFF (APO)

Press MENU key 5 times, LCD display APO icon.

Press + or - key to select auto power off time from 0 to 4 hours


Press PTT key to confirm and quit or press MENU to return to Main screen.

After turning on the function. LCD will display APO icon and automatically turn off at design

## 14. KEY TONE ON/OFF

Press MENU key 6 times, LCD display On to (Key tone On) or Off to (Key tone Off)

Press + or - key to toggle key Tone On or Off

LCD display icon  will be on when Key Tone is On. This icon will be off when Key Tone is Off

Press PTT to confirm and quit or press MENU to continue next function setting.

## 15. ROGER BEEP

The roger beep function enables a short tone signal which is transmitted after releasing the microphone.

Press MENU key 7 times display On ro icon (= Roger Beep On) or Off ro (=Roger Beep Off)

Press + or - key to toggle Roger Beep On or Off.

Press PTT to confirm and quit or press MENU to continue next function setting.

## 16 SCAN

Before you start scanning please preset the CTCSS code to "00" first. **Note:** *if the CTCSS 01 to 38. it can not scan other channel with different CTCSS code.*

Press and hold + or - key for at least 3 seconds to start scanning function.

LCD display show the scanning Main channel one by one.

it will stop at those main channel with signal for a while. And then continue scanning

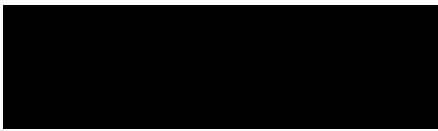
Or if you want to use this channel, press PTT to confirm and your radio will change to this c

Note: Please aware that you can listen to other radio on this main channel. If you want to talk to other radios. Please make sure your radio have the same CTCSS code with the others.

## FCC COMPLIANCY DECLARATION

The company Sancon declaration that the device FWAN1A complies with all the requirements

use free within USA







**ANTENNA 180°**

off, press the key 2s to power on or off.  
/ to transmit, and release it when finish.  
i the menu.  
the menu.  
for call tone, press the key 2s for key lock.

Display turn on

you can communicate with

Speak.

Panel and LCD shows the icon  
PTT key for listening.

Light continuously ON and drain out

Function selection etc.

➤ Key tone → Roger Beep

nel. Only the users with the  
ode does not assure  
e same channel

ening without pressing PTT key  
2,3 for OFF low medium and High

it activate VOX function.

nel.  
ur call tone will be sent.

ated time.

Off.

PTT button.  
Beep Off)

*setting is*

channel.  
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its specified in the