

Instruction Manual

10-Channel handheld Intercom

SAMCOM FWAN10A

**The handheld intercom is match with Intercom FTAN10A
the channel is same as FTAN10A, You can use desktop
intercom in home and outdoor use handheld unit**

Main Features

- 10 Channels and 3 groups
- VOX
- Roger Bee On/Off
- Audio Power Off(APO)
- 10 Call Tones



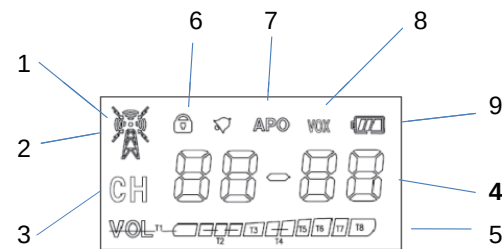
SANCON Inc.

Overview



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

LCD Display



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

GENERAL OPERATIONS

Install Battery

- Insert a coin to the battery door gap.
- Turn the coin with some force to open the battery door
- Follow the polar directions and insert 3 x AAA size batteries

1 POWER ON/OFF

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

2 MAKING COMMUNICATIONS

- The radio has 10 main frequencies and 3 CTCSS codes effectively giving you 33 channels you can communicate 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 and LCD shows the icon

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.

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 used or otherwise, it will keep the LCD backlight continuously ON and drain out battery.

7. MENU FLOW CHART

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

Main Channel → CTCSS → VOX → CALL TONE → APO → KEY TONE → ROGER BEEP
→ 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. ABC group resetting

Press the MENU key twice, 1,2,3 will display with flash

Press + or - key to select your desired code from 1 to 3 A=1 B=2 C=3 same as Intercom FTAN10A

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 pressing PTT key

Press the MENU key 3 times. LCD display VOX icon and VOX 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 PTT to confirm and quit activate VOX function

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 heard the tone. LCD will display the transmit icon  and your call tone will be sent.

12 SELECTING CALL TONE

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

Press + or - key to selected 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 designated time.

14 KEY TONE ON/OFF

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

Press + or - key to toggle key Tune 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 PTT button.

Press MENU key 7 times display On "or" icon (= Roger Beep On) " OF" (=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.

PRECAUTIONS

- Read this manual before use the unit
- 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

Channel	Frequency (MHz)
1	467.7125
2	467.6875
3	467.6625
4	467.6375
5	467.6125
6	467.5875
7	467.5625
8	462.7125
9	462.6875
0	462.6625

Code	CTCSS (Hz)
1	110.9
2	136.5
3	186.2

This radio has been tested and complies with the FCC RF exposure limits for “General population.” In addition, your SANCON 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 v01r03, 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, 3 kHz to 300 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 general population 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 manufacturer 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 interference with other devices or systems. To avoid such interference, turn off the radio in areas 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 Part 95 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.

Important: Do not hold down CALL for more than 10 seconds. The FCC does not allow you to send a continuous tone for more than 10 seconds at a time on FRS frequencies.