G4U EASY

UHF Analog Handheld

SANCHAR

WIRELESS COMMUNICATIONS LTD.

RADIO ILLUSTRATION

1. **Led indicator**
   It lights red when transmitting, and lights green when receiving.

2. **Channel-selecting knob**
   Rotate it to select channel 1-16, clockwise rotation to increase, counter – clockwise rotation to decrease. An alert tone will sound when an empty channel is selected.
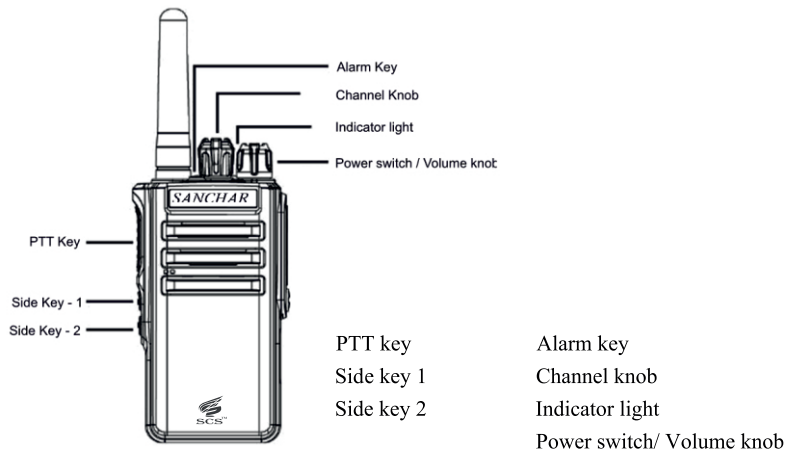
3. **Power/Volume knob**
   Rotate it by clockwise to power on the radio. To turn off the radio, rotate it by counter-clockwise until a click sound is heard.

4. **PTT switch**
   Press PTT switch and then talk to the microphone, the indicator light turns red, if the channel does not have transmitting frequency, a "Du Du" tone sounds, and indicator light turns red.

   Release PTT switch to receive. It lights green when there is signal.

Alarm Key
Channel Knob
Indicator light
Power switch / Volume knob

PTT Key
Side Key - 1
Side Key - 2

PTT key	Alarm key
Side key 1	Channel knob
Side key 2	Indicator light
	Power switch/ Volume knob

5. Side key assignment
Side key functions can be assigned via programming software.
Short press: A. Monitor B. Scan C. Scrambling

6. **Squelch level**

   The squelch level will determine the signal strength to open the speaker of the radio. If the squelch level is lower, the background noise of opening the radio's speaker will be higher, and the corresponding communication range will be further, but he the anti-interference capacity will be weaker. The default setting of squelch level is 3, you can adjust it through the menu "Squelch level" of the "Optional features" in the software, level 0 to 9 can be selected. 0 is the lowest level.

7. **Time-out Timer (TOT)**

   The purpose of TOT is to prevent any radios from talking in one channel for too long time, and to prevent the radio from being damaged due to continuous transmission. If the transmitting time exceeds the TOT pre-set time, the radio will stop transmission and an alert tone sounds. Release PTT switch to stop the alert tone, the radio resume to receiving mode.

8. **Scan ON/OFF**

   When the radio is set to be scanned by programming software, rotate the channel selection knob to any channel to automatically enter the scanning state. If the current channel is 16 channels, the radio will automatically detect the activity of the 16-channel as a scanning channel (The programming software can define whether the channel can be scan or not). When there is a signal on the scanned channel, the radio will automatically stop on that channel for a call.

   Note: The walkie-talkie will stop on the channel with signal. After the signal disappears, it will continue to scan the next channel after about 10 minutes.
   When there are less than 2 channels that can be scanned, the radio cannot scan.

If the current channel is not 16 channels, the 16 channels and the current channel are scanned, and if the current channel or 16 channels have one unscannable channel, the rest of the scanned channels are scanned.

9. **Non-standard QT/DQT**
   Non-standard QT/DQT can be set via programming software, can select from 67.0 to 254.1Hz.

10. **Voice prompt selecting**
    a. OFF: No voice prompt
    b. English: English prompt tone.
    c. Chinese: Chinese prompt tone.

11. **Battery save function**
    The battery capacity will be saved when this function is turned on via programming software.
    OFF: No battery save
    ON: Battery save

12. **Battery voltage display**
    Note: When the voltage is lower than the predetermined value, if the voice prompt is off, there will beep "Didi" in every 15s. If the voice prompt is on, it will prompt "Please change the battery". If the voice is English or Chinese, press PTT or VOX are invalid, and will prompt "Please change the battery", and will beep "Di" until release PTT or stop VOX.

13. **Busy channel lockout (BCL)**
    You can turn on/off the BCL function of every channel via programming software. If set it, no transmitting when press PTT, and will beep "Di" until release PTT.

7. **High/ Low power selective**
    The default setting by factory is high power , can select H/L via programming software.

8. **Wide/Narrow band selective (25.0KHz/ 12.5KHz)**
    The default setting by factory is Wide band, can select W/N on the channel working on wide band or narrow band.

9. **VOX**
    No need press PTT to talk when transmitting. If no talking, transmitting will stop. The function can be set ON/OFF by programming software.

    When wear headset, should adjust the VOX gain, set the VOX gain, to make the radio distinguish the sound. If the headset is too sensitive, the noise around will make the radio transmit. If the microphone is not that sensitive, the radio can not receive your voice. You should adjust the gain well to make the communication successfully.
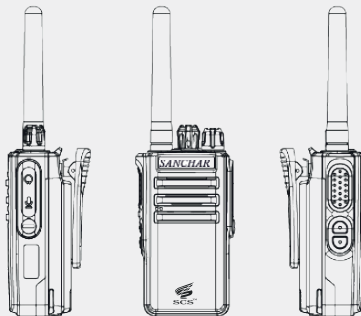
10. **Programming encryption**
    It is set by programming software.

11. **Scrambler**
    You can turn on/off scrambler function in every valid channel via programming software. It is one of information encryption type. Every channel can select scrambler group. There are eight group for optional.

12. **Emergency alarm**
    Press the alarm key, the radio will transmit emergency alarm, and will be received in other radio, press PTT to release alarm.

6. **QT/DQT**

    QT/DQT can be set via programming software. When a channel has QT/DQT, the squelch will turn on when receive the same QT/DQT. If the QT/DQT is different in the same channel, the squelch will not turn on, only the indicator light turns green.

QT/DQT charts as follow:

    50 QT code (Hz)

67.0	69.3	71.9	74.4	77.0	79.7	82.5	85.4	88.5	91.5
94.8	97.4	100.0	103.5	107.2	110.9	114.8	118.8	123.0	127.3
131.8	136.5	141.3	146.2	151.4	156.7	159.8	162.2	165.5	167.9
171.3	173.8	177.3	179.9	183.5	186.2	189.9	192.8	196.6	199.5
203.5	206.5	210.7	218.1	225.7	229.1	233.6	241.8	250.3	254.1

116*2 DQT code (Hz)

D017N	D023N	D025N	D026N	D031N	D032N	D036N	D043N	D047N	D050N
D051N	D053N	D054N	D055N	D065N	D071N	D072N	D073N	D074N	D114N
D115N	D116N	D122N	D125N	D131N	D132N	D134N	D135N	D143N	D145
D152N	D155N	D156N	D162N	D165N	D172N	D174N	D205N	D212N	D217N
D223N	D225N	D226N	D243N	D244N	D245N	D246N	D251N	D252N	D254N
D255N	D261N	D263N	D265N	D266N	D271N	D274N	D305N	D306N	D311N
D315N	D325N	D331N	D332N	D343N	D345N	D346N	D351N	D356N	D364N
D365N	D371N	D411N	D412N	D413N	D423N	D425N	D431N	D432N	D445N
D446N	D452N	D454N	D455N	D462N	D464N	D465N	D466N	D503N	D506N
D516N	D523N	D526N	D532N	D534N	D546N	D565N	D606N	D612N	D624N
D627N	D631N	D632N	D645N	D654N	D662N	D664N	D703N	D712N	D723N
D731N	D732N	D734N	D743N	D754N	D765N				

D017I	D023I	D025I	D026I	D031I	D032I	D036I	D043I	D047I	D050I
D051I	D053I	D054I	D055I	D065I	D071I	D072I	D073I	D074I	D114I
D115I	D116I	D122I	D125I	D131I	D132I	D134I	D135I	D143I	D145
D152I	D155I	D156I	D162I	D165I	D172I	D174I	D205I	D212I	D217I
D223I	D225I	D226I	D243I	D244I	D245I	D246I	D251I	D252I	D254I
D255I	D261I	D263I	D265I	D266I	D271I	D274I	D305I	D306I	D311I
D315I	D325I	D331I	D332I	D343I	D345I	D346I	D351I	D356I	D364I
D365I	D371I	D411I	D412I	D413I	D423I	D425I	D431I	D432I	D445I
D446I	D452I	D454I	D455I	D462I	D464I	D465I	D466I	D503I	D506I
D516I	D523I	D526I	D532I	D534I	D546I	D565I	D606I	D612I	D624I
D627I	D631I	D632I	D645I	D654I	D662I	D664I	D703I	D712I	D723I
D731I	D732I	D734I	D743I	D754I	D765I				

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