WT-1004
Walkie-Talkie

User Manual

WT-1004 Instruction Manual

DW VOX APO

DCS

CTCSS
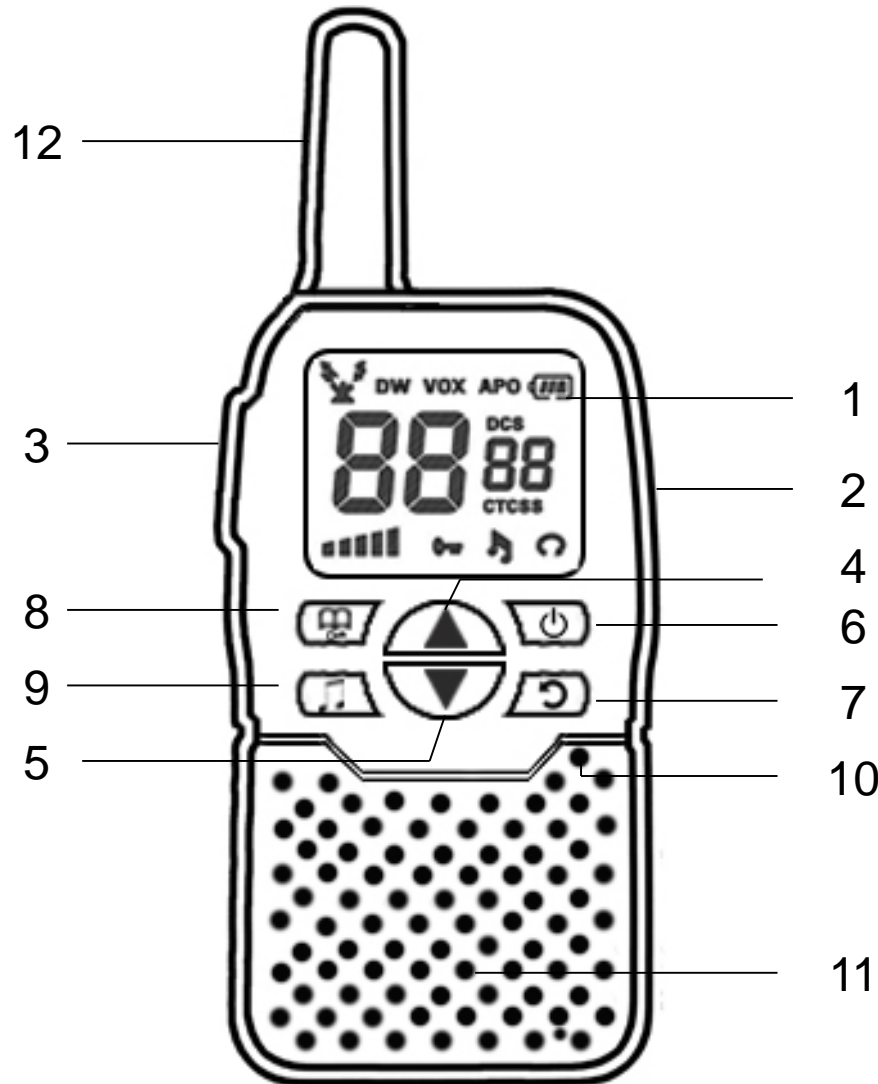
1. LCD display
2. Charger
3. PTT key
4. Up key
5. Down key
6. Power on/off key
7. Scan key
8. Menu Key
9. Call Tone key
10. Microphone
11. Speaker
12. Antenna

LCD DISPLAY ICONS
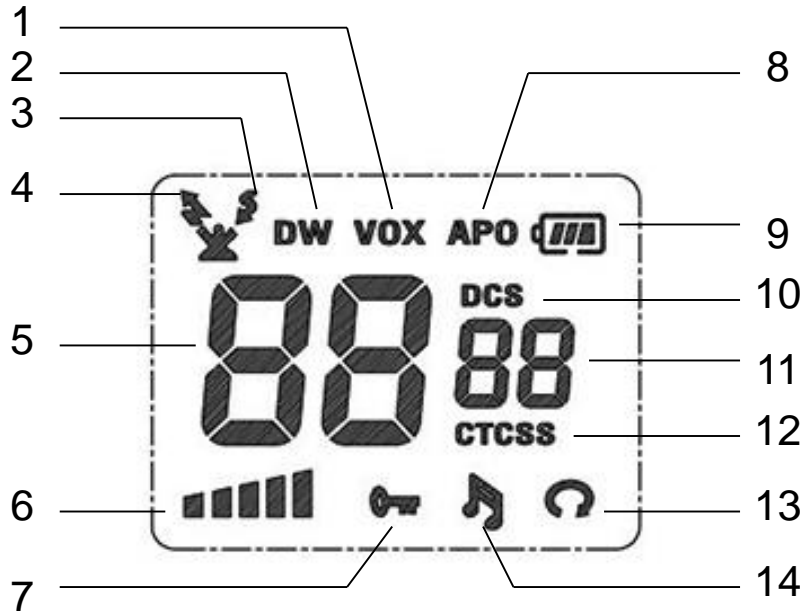
1. VOX
2. Dual Watch
3. RX
4. TX
5. Main Channel Number
6. Speaker Volume
7. Key Lock
8. APO (Auto Power Off)
9. Battery Level
10. DCS
11. Code for CTCSS/ DCS
12. CTCSS
13. Scan
14. Call tone

MAIN FEATURES

- Frequency: 462MHz
- Power output <0.5W
- 22 Channels
- 38 CTCSS code
- 83 DSC code
- 10 km optimal range

- 3 VOX level
- 10 Call tones
- 5 level speak volume
- Scan
- Key lock function
- Auto Power Off

PRECAUTIONS
- Read this manual before use the radio.
- Avoid the direct exposure to solar rays and/or in front of heat.
- Do not use adaptor and/or batteries diverged from that specified on instructions manual.
- 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 and CCC.
- The LCD display is made of glass and maybe damaged if dropped or impacted.

INSTALLING BATTERIES

- Slide down the battery compartment cover as shown in Figure 1,
- Install the batteries by following the orientation as shown in Figure 2,
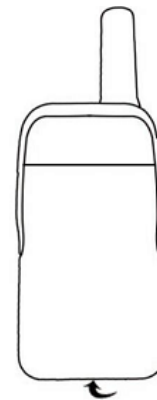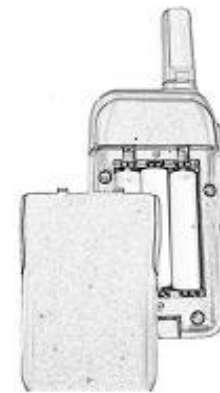- Replace the battery compartment cover.

Fig 1   Fig 2

WARNING
● Follow the polar directions and insert 3 X AAA Ni-MH rechargeable batteries.
● Incorrect positioning can damage both the batteries and unit.
● Don't try to recharge non-rechargeable batteries.
● Make sure the battery compartment cover is securely locked in place when you are charging the batteries.
● Dispose of used batteries safely and in a way that will not harm the environment, never try to burn them or put them anywhere, they could get burnt or punctured.
● Don't leave dead batteries in your unit. They might leak if you do.

CHARGING BATTERIES

When the "Battery level icon is low, you need to charge the batteries with the enclosed AC/DC adaptor, or replace the batteries.

WARNING

. To avoid damage to the radio use only original accessories.

. The radio will be slightly warm during charging.

.SK6S is rechargable , but SK6 is non-rechargeable.

GENERAL OPERATIONS

1. TRANSMITTING RANGE

● The talk range depends on the environmental and terrain. It will be reach (up to about 10 KM) in wide open spaces, without obstructions such as hills or buildings. Don't try to use two PMR units which are less than 1.5m apart. If you do, ou may have experience interference.

2. POWER ON/OFF

● To power on the radio, press Power On/Off key ⏻ for 2 seconds until a beep is heard and the LCD display turn on.

● To power off the radio, press Power On/off key ⏻ for 2 seconds until LCD display turns off .

3. MAKING COMMUNICATIONS

The radio has 22 main frequencies and 38 CTCSS codes or 83 DCS codes effectively giving you 2662 channels. 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 the speak.

● When you finish speaking, release the PTT key and a beep tone will be heard.

5. LISEN TO OTHER RADIO
● The radio will automatically sound received signal from the other radio with the same channel and LCD show the ⚡ icon .
● When you press the PTT key, you can't listen to other radios. Make sure you do not 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. ADJUSTING SPEAKER VOLUME(5 LEVELS)
● Press the Up key ▲ to increase the volume.
● Press the Down key ▼ to decrease the volume.

7. 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.)

MENU FLOW CHART

Press Menu key 📖 once to enter main channel selection, press   again for next function selection etc.

Main screen ⟶ Main Channel ⟶ CTCSS ⟶ DCS ⟶ VOX ⟶ Call tone ⟶ Auto Power Off ⟶ Beep Tone ⟶ Roger Beep ⟶ Main screen

9. 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 📖 to continue next function setting.
- You have 10 seconds to decide before auto-reverting back to the main screen.

10. CTCSS/ DCS CODE FUNCTION

This function can help you select your group (38 CTCSS code / or 83 DCS code）of User on the same channel. Only the users with the same CTCSS/DCS code can listen and talk to each other. Please note that selecting a CTCSS/DCS code does not.assure total privacy, In radio communication, any PMR 446 radio can listen to all communications on the same channel when using the default standard setting with CTCSS/ DCS=0 (OFF).

10.1 CTCSS CODE

- Press the Menu 📖 key twice, CTCSS code display will 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.

10.2 DCS Code
Each channel also has 83 digital codes to let you set up group of users for more secured private communication.
- Press the MENU 📖 key 3 times, DCS code display will flash.
- Press ▲ or ▼ key to select your desired DCS code from 1 to 83, 0 is OFF.
- Press the PTT key to confirm and quit.

11. 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 display **vox** icon and VOX sensitivity digit will flash.

- Press ▲ or ▼ key to select sensitivity level from " OF, 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.

12. SENDING CALL TONE

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

● Press the music ♫ key and the tone will sound, LCD will display the transmit icon and ♫ icon and your call tone will be sent.

13. SELECTING CALL TONE

● Press the Menu 📖 key 5 times, LCD display ♫ icon and call tone number will flash.
● Press ▲ or ▼ key to select your desired call tone.
● Press the PTT key to confirm and quit or press Menu to continue next function setting.

14. AUTO POWER OFF (APO)

● Press Menu 📖 key 6 times, LCD display **APO** icon.
● Press ▲ or ▼ key to select auto power off time from 0 to 6 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.

15. KEY TONE ON/OFF

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

● Press Menu 📖 key 7 times, LCD display "**t o**".

● Press ▲ or ▼ key to turn on (LCD display **ON** icon) or turn off (LCD display **OF** icon).

● Press PTT to confirm and quit or press Menu 📖 to 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 Menu key 📖 8 times, LCD display "**r o**".
- Press ▲ or ▼ key to turn on (LCD display **ON** icon) or turn off (LCD display **OF** icon)
- Press PTT to confirm and quit or press MENU 📖 to continue next function setting.

17.   SCANNING CHANNELS

- Press the ↻ 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,and LCD will diasplay ⚡ icon,
- Press ▲ or ▼ key to continue scanning.
- Or if you want to use this channel, press PTT to confirm and your radio will change to this channel.
- If there is no signal, it will continue to scan. Press the PTT key and it will stay on the current selected channel and quit the scanning function. Or press menu 📖 to quit and enter next function setting.

18. MONITOR

Press and hold ↺ key to break the squelch noise and open (un-squelch) the frequency for monitor function. Release the ↺ key to stop.

19. KEY LOCK

Press and hold ⚷ key for 3 seconds, LCD display ⚷ icon.
All keys are locked expect PTT and ♫ key.
To unlock, press and hold ⚷ key for 3 seconds again.

SPECIFICATIONS

Operation Frequency Range	:	462.5625 ~ 462. 7520 MHz
Modulation	:	FM
RF Output Power	:	＜ 500mW
Channels	:	22
CTCSS sub-code	:	38
DCS sub-code	:	83
Power Supply	:	AAA battery X 3

Channel Frequency Table

Channel	Frequency（MHz）	Channel	Frequency（MHz）
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250

CAUTION

Risk of explosion if battery is replaced by an incorrect, dispose of used batteries
according to the instructions

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 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.

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- —Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- —Consult the dealer or an experienced radio/TV technician for help.

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy. The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR The SAR limit set by the FCC is 1.6W/Kg. For in-front-of the face operation, this device has been tested and meets the FCC RF exposure guidelines for use and be positioned a minimum of 25 mm from the face.

Disposal of Old Electrical & Electrnic Equipment

Disposal of Old Electrical & Electrnic Equipment (Applicable in the European Union and other European cuntries with separate collection systems) This symbol on the product or on its shall Be handed over to the applicable collection point for the recycling of electrical and electrinic equipment . By ensuring this product is disposed of correctly , you will help prevent potential negative consequences for the enviroment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of mateials will help to conserve natural resources.

For more detailed information about recycling of this product, please contact your local city office or your household waste disposal service.