FRS

USER'S MANUAL

Contents

Functions and Specifications

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· 159 sub-tones (50 CTCSS and 109 DCS)
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·NOAA (weather forecast)
NOTE: Coverage will vary depending on environmental and/or terrain conditions.

Accessories List

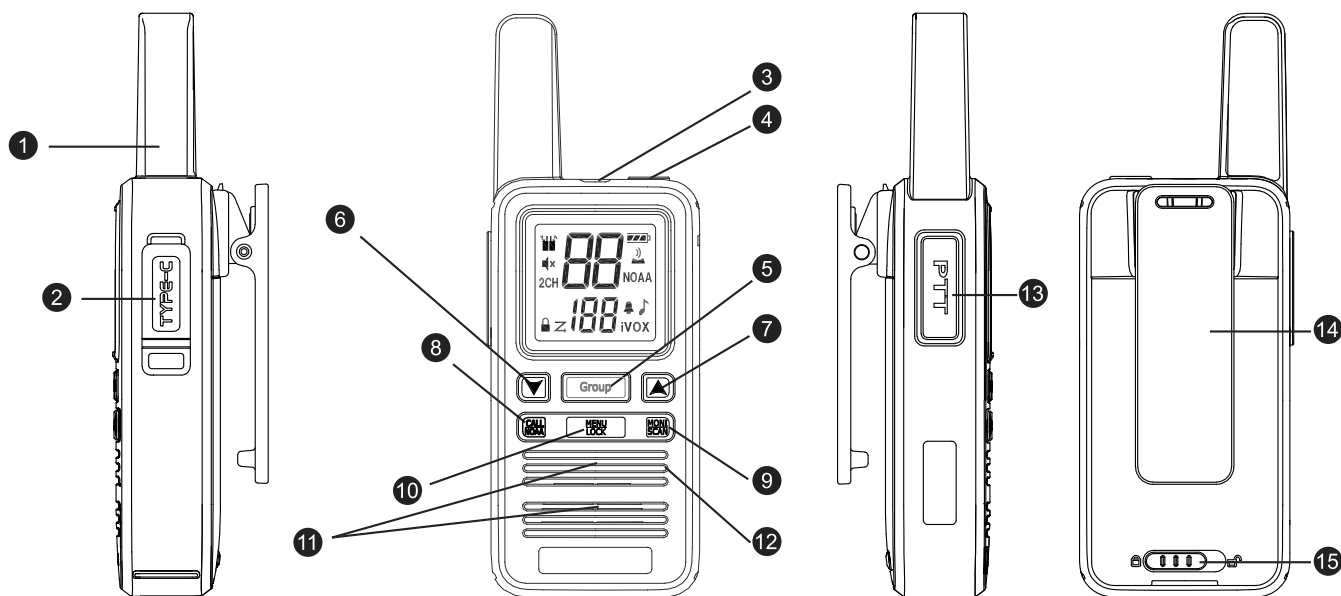| Name	Quantity
Lanyard	1
Battery	1
Belt clip	1
User's Manual	1
Power adapter	1
Charging cable	1

Open box to check

Please carefully get the walkie-talkie from the box. We recommend that you to check if the included accessories are all in the package.
If any items are lost during delivery or damaged, please contact your dealer immediately.
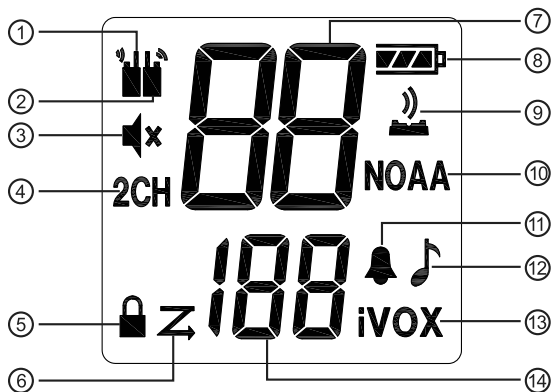
Charging battery

Please use the specified adapter to charge the battery.

Status	Indicator
Battery charging	Red light on
Fully charged	Red light off

1, Antenna	9,Monitor/Scan
2,Type-c Charging/earphone hole	10,Menu key/keypad lock
3,Status indicator	11,Speaker
4,Power on/off button	12,Mic
5,Group call key	13,PTT key
6,Down key	14,Belt clip
7,Up key	15,Lock
8,Call Tone/Weather Forecast	

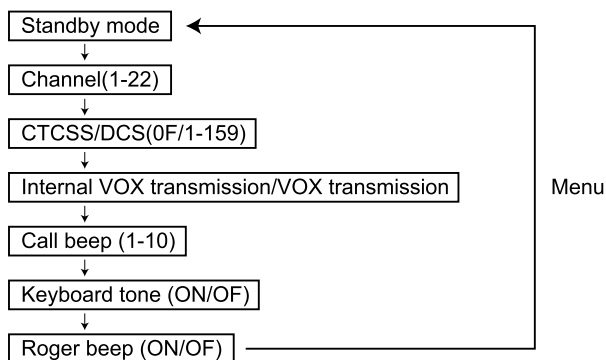| No.	Icon	Description
1		Receive instructions
2		Transmit instructions
3		Mute indicator
4	2CH	Dual Channel Monitor Indication
5		Keypad lock indicator (on/off)
6		Scan Indicator (On/Off)
7		Channel indication (1/16)
8		Battery level indicator
9		Keyboard tone indicator (on/off)
10	NOAA	Weather forecast indication (on/off)
11		Roger beep indicator (on/off)
12		Call Prompt Tone (1/10)
13	iVOX	VOX(OFF/1/2/3)
14		CTCSS/DCS indication (1/159)

Note: 1. For the purpose of saving battery power, when the screen is on and there is no operation for 10 seconds, the screen will turn off the bright screen state (the backlight mode is selected by default and cannot be changed).
2. Press any button to wake up the screen to brighten the screen (default backlight mode,cannot be changed).
3.Enter the menu option, it will automatically exit the menu option after 10 seconds of no operation.

Menu options
Short press (function key icon) to switch menu options

Standby mode
↓
Channel(1-22)
↓
CTCSS/DCS(0F/1-159)
↓
Internal VOX transmission/VOX transmission   Menu
↓
Call beep (1-10)
↓
Keyboard tone (ON/OF)
↓
Roger beep (ON/OF)

Select channel
1. Short press the [MENU/LOCK] key to enter the channel selection mode.
2. Short press the [▼] or [▲] key to switch channels, and long press the up and down keys to quickly browse channels.
3. Short press the PTT button to confirm and exit the menu.
4. Short press the [MENU/LOCK] key to continue setting.

Select CTCSS/DCS
1. Short press the [MENU/LOCK] key to enter the tone selection mode.
2. Short press the [▼] or [▲] button to select the CTCSS/DCS decoding, and long press the up and down keys to quickly browse the CTCSS/DCS.
3. Short press the PTT button to confirm and exit the menu.
4. Short press the [MENU/LOCK] key to continue setting.
NOTE: CTCSS/DCS can minimize interference by blocking transmissions from unknown sources. The walkie-talkie has 159 CTCSS/DCS codes.

VOX
1.Short press the [MENU/LOCK] button, when the VOX icon is displayed on the LCD screen, connect the audio accessory and display VOX icon.
2. Press the [▼] or [▲] key to select the voice control sensitivity level, and long press the up and down keys to quickly browse the voice control level.
3. Short press the PTT button to confirm and exit the menu.
4. Short press the [MENU/LOCK] key to continue setting.
Note: When using VOX, there is a short delay (about 3 seconds).

3=Low sensitivity, suitable for noisy environment
2=medium sensitivity, suitable for most environments
1=high sensitivity, suitable for quiet environment

Set call tone
1.Short press the [MENU/LOCK] key, the icon will be displayed on the LCD screen.
2. Short press [▼] or [▲] to switch the call prompt, and long press the up and down keys to quickly browse.
3. Short press the PTT button to confirm and exit the menu.
4. Short press the [MENU/LOCK] key to continue setting.
Note: When setting the same channel and CTCSS/DCS, short press the [CALL/NOAA] key, the icon ♪ will be displayed on the screen, and the receiving end will receive a call tone prompt.

2

159 CTCSS/DCS

50 groups of standard CTCSS [Hz]															
No.	CTCSS	No.	CTCSS	No.	CTCSS	No.	CTCSS	No.	CTCSS	No.	CTCSS	No.	CTCSS	No.	CTCSS
1	67.0	8	85.4	15	107.2	22	136.5	29	165.5	36	186.2	43	210.7	50	254.1
2	69.3	9	88.5	16	110.9	23	141.3	30	167.9	37	189.9	44	218.1		
3	71.9	10	91.5	17	114.8	24	146.2	31	171.3	38	192.8	45	225.7		
4	74.4	11	94.8	18	118.8	25	151.4	32	173.8	39	196.6	46	229.1		
5	77.0	12	97.4	19	123.0	26	156.7	33	177.3	40	199.5	47	233.6		
6	79.7	13	100.0	20	127.3	27	159.8	34	179.9	41	203.5	48	241.8		
7	82.5	14	103.5	21	131.8	28	162.2	35	183.5	42	206.5	49	250.3		
109 sets of DCS															
No.	DCS	No.	DCS	No.	DCS	No.	DCS	No.	DCS	No.	DCS	No.	DCS	No.	DCS
51	D023N	65	D073N	79	D156N	93	D251N	107	D332N	121	D445N	135	D532N	149	D712N
52	D025N	66	D074N	80	D162N	94	D252N	108	D343N	122	D446N	136	D546N	150	D723N
53	D026N	67	D114N	81	D165N	95	D255N	109	D346N	123	D452N	137	D565N	151	D731N
54	D031N	68	D115N	82	D172N	96	D261N	110	D351N	124	D454N	138	D606N	152	D732N
55	D032N	69	D116N	83	D174N	97	D263N	111	D356N	125	D455N	139	D612N	153	D734N
56	D036N	70	D122N	84	D205N	98	D265N	112	D364N	126	D462N	140	D624N	154	D743N
57	D043N	71	D125N	85	D212N	99	D266N	113	D365N	127	D464N	141	D627N	155	D754N
58	D047N	72	D131N	86	D223N	100	D271N	114	D371N	128	D465N	142	D631N	156	D243I
59	D051N	73	D132N	87	D225N	101	D274N	115	D411N	129	D466N	143	D632N	157	D332I
60	D053N	74	D134N	88	D226N	102	D306N	116	D412N	130	D503N	144	D645N	158	D731I
61	D054N	75	D143N	89	D243N	103	D311N	117	D413N	131	D506N	145	D654N	159	D743I
62	D065N	76	D145N	90	D244N	104	D315N	118	D423N	132	D516N	146	D662N		
63	D071N	77	D152N	91	D245N	105	D325N	119	D431N	133	D523N	147	D664N		
64	D072N	78	D155N	92	D246N	106	D331N	120	D432N	134	D526N	148	D703N		

Keyboard sound
1.Short press the MENU/LOCK key, the icon will be displayed on the LCD screen.
2. Short press ▼ or ▲ to select on/off.
3. Short press the PTT button to confirm and exit the menu.
4. Short press the MENU/LOCK key to continue setting.
Note: When the volume of the walkie-talkie is adjusted, the key tone will also change with the increase/decrease. When the walkie-talkie is muted, the icon will be displayed on the screen.

Roger beep
1.Short press the MENU/LOCK key, the icon will be displayed on the LCD screen.
2. Short press ▼ or ▲ to select on/off.
3. Short press the PTT button to confirm and exit the menu.
4. Short press the MENU/LOCK key to continue setting.

Transmit and receive
1. Hold the walkie-talkie 2-3 cm away from your mouth.
2. Long press the PTT key during talking, and the LCD screen will display the transmit icon .
3. Release the PTT button to receive, when the walkie-talkie receives a signal matching the channel, the LCD screen will display receive icon .

Battery level display
The battery power display icon (0-3 grids) shows the current remaining battery power. When the battery shows that there is no bar, it will send out a "crack" prompt every 15 seconds. When the power is lower than 3.1V, it will automatically shut down.

Battery status	Battery voltage
3 grids	3.9V-4.2V
2 grids	3.6V-3.8V
1 grid	3.2V-3.5V
0 grid	less than 3.2V

Battery capacity maintenance
1.When not in use, charge the lithium battery once a month.
2.When storing, remove the battery from the walkie-talkie.
3.Store lithium batteries in a place with a temperature between -20°C and 35°C and low humidity, avoiding moisture wet conditions and corrosive materials.

Scan
1. Long press the MONI/SCAN key, and the screen will display the icon to start scanning.
2. When the channel detected by the walkie-talkie matches the current channel number and CTCSS/DCS, the walkie-talkie will stop scanning.

Scan and answer the message of the other party. After the other party stops talking, you need to press the PTT key to respond within 3 seconds, otherwise the scanning will continue.
3. Press the PTT button within 3 seconds after the end of the transmission, you can talk.
4. Short press the PTT key to exit the scan.

Monitor
Monitoring is generally better when the other party's signal in the current channel is poor or intermittently pressed. Short press the [MONI/SCAN] button to turn on the monitoring function, and then press the [MONI/SCAN] button to turn it off.

Group call channel
The current receiving state of the walkie-talkie is dual watch mode: current channel mode and group call channel mode.
1.Press the [Group] key to transmit, the screen will display channel 16; the screen of the receiver will also display channel 16, press [Group] to talk.
2.When the walkie-talkie is left unattended for 3 seconds, it will automatically exit the group call and return to the current channel, thus avoiding miss key information and improve the communication efficiency of both parties in the call.
Note: Dual watch is turned on by default after the walkie-talkie is turned on, and it cannot be turned off. Press the PTT key to transmit on the current channel, and press the [Group] key to transmit on the group call channel. Channel 16 is a fixed waiting channel and cannot be changed.

Remove/recover channel CTCSS/DCS
Hold down the [▼] button and press the power button at the same time to restore the factory setting CTCSS/DCS.

Keyboard lock
Long press the [MENU/LOCK] key, the icon 🔒 will be displayed on the screen, and the keyboard will be locked. After the keyboard is locked, only PTT, [Group] can be operated, and then long press the [MENU/LOCK] key to unlock the operation.

Weather forecast (NOAA)
1. Press [CALL/NOAA] and hold the button, when NOAA is on, squelch is on, and the NOAA icon will be displayed on the screen
2. Short press the [MENU/LOCK] key to enter the weather forecast mode. Press [▼] or [▲] to change weather forecast (NOAA) Channel, long press the up and down keys to quickly browse channels, and short press [MONI/SCAN] to start scanning channels.
3. In the weather forecast mode, short press the [MENU/LOCK] key and the current weather forecast channel is flashing, then short press [MENU/LOCK] key OF is flashing, press the [▼] or [▲] key to turn on/off the weather forecast automatic warning.
4. Press the PTT button to confirm the weather forecast channel, and then press the PTT button to exit NOAA.
5. Channel talking is disabled in NOAA enabled mode.
Note: The weather forecast (NOAA) needs the support of the country or region where it is located.

Troubleshooting Guide

Question	Solution
No power	The battery pack may be exhausted. Please replace the battery pack or recharge it. The battery pack may not be installed correctly, please remove it and install it again.
Battery power doesn't last long after charging	The battery pack has reached the end of its life, please replace it with a new one.
Cannot chat with other members of the group	Make sure you are using the same frequency and CTCSS/DCS as other members of the group. Other members of the group may be too far away. Confirm that you are within the effective range of other walkie-talkie.
Other (non-group member) voices appear in the channel	Please change CTCSS/DCS settings, be sure to change the settings of all walkie-talkie in the group.

Factory Setting

CH NO.	Frequency(MHz)	Power
1	462.5625	High
2	462.5875	High
3	462.6125	High
4	462.6375	High
5	462.6625	High
6	462.6875	High
7	462.7125	High
8	467.5625	Low
9	467.5875	Low
10	467.6125	Low
11	467.6375	Low
12	467.6625	Low
13	467.6875	Low
14	467.7125	Low
15	462.5500	High
16	462.5750	High
17	462.6000	High
18	462.6250	High
19	462.6500	High
20	462.6750	High
21	462.7000	High
22	462.7250	High

STATEMENTS WARNING AND COMPLIANCE STATEMENT:

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 including received interference that may cause undesired operation.

The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

FCC Part 15.105(b) Warning Statement
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 complies with FCC radiation exposure limits set forth for an uncontrolled environment. Do not use this device when the antenna shows obvious damages.Hold this transmitter approximately 25 mm away from your face and speak normal with the antenna pointed up and away. Use the supplied belt clip for body-worn configuration as other accessories may not comply to the limits.

Guarantee

Model Number: _____

Serial Number: _____

Purchasing Date: _____

Dealer: _____ Telephone: _____

User's Name: _____ Telephone: _____

Country: _____ Address: _____

Post Code: _____ Email: _____

Remarks:

1.This guarantee card should be kept by the user, no replacement if lost.

2.Most new products carry a one-year manufacturer's warranty from the date of purchase.

3.The user can get warranty and after-sales service as below:

· Contact the seller where you buy.

· Products Repaired by Our Local Repair Center

4.For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

Exclusions from Warranty Coverage:

1.To any product damaged by accident.

2.In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.

3.If the serial number has been altered, defaced, or removed.