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MAIN FUNCTIONS

- ◇ CTCSS/DCS Decoding function
- ◇ Support input CTCSS/DCS by keyboard (CTCSS: 60Hz-260Hz, DCS: 000N-777I)
- ◇ FM Radio Function
- ◇ Multiple scanning methods
- ◇ Emergency alarm function
- ◇ Can set button functions through software
- ◇ VOX Function
- ◇ Speech function
- ◇ Company programming function

PREPARATION

■ Charge the battery pack

The battery pack is not charged at the factory, please charge it before use. Initially charging the battery pack after purchase or extended storage (greater than 2 months) will not bring the battery pack to its normal operating capacity. After repeating the charge/discharge cycle two or three times, the operating capacity will increase to normal.

The charge is plugged in, and good exposure into the battery turns red indicator lights up and began to charge the battery. After the battery is fully charged the green light on the charger lights up.

NOTE

- *If the battery pack is fully charged, pls don't re-charge them again, otherwise the battery pack's life will be shorten.*
- *Don't use the transceiver while charging the battery pack. We recommend you switch the transceiver power OFF while charging is taking place.*
- *Even though correct charge, the battery using time reduce obvious, it means that the battery's life is over. Pls change new battery pack.*

■ Install/ Remove battery pack

To install the battery pack, fit the extensions at the bottom of the battery into the slots at the bottom of the transceiver's body. Press the top part of the battery towards the transceiver until a cracking sounds is heard.

To remove the battery pack, Slide the battery released latch in the top middle of the battery, downwards.

Pull the top part of battery away from the transceiver's body, and lift the battery from the transceiver's body.

■ Install the Belt Clip

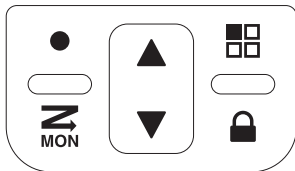
If necessary, use the supplied screws to install the belt clip at the back of battery pack.

■ Earphones jack/Computer programming

Can you computer program software to operate. (Programming soft-ware pls consulting with the local dealers)

■ Keyboard

For related functions operation.



WORKING MODE

■ CH Mode (Channels mode)

In this mode, you can use [▲], [▼] button to change channel no., or use keyboard to input the number of channels you need.

You must program at least one memory channel, otherwise you can't enter this CH Mode.

Press [☐☐] button to enter Menu, then [▲], [▼] press to make a selection. Menu options operation can be performed. More details Pls see the "menu" for operation.

■ The radio mode

In this mode, you can use [▲], [▼] button to change radio frequencies or channels. After entering the FM radio mode, Press [🔒] button to switch the radio frequency/channel mode.

In FM radio Frequency mode, long press [🔒] button, Can scan radio stations and save.

In FM radio Channel mode, long press [🔒] Can scan radio channel or frequency.

BASIC OPERATION

■ Turning Transceiver ON/OFF

Turn the power switch clockwise to turn in the transceiver; to turn off the transceiver, turn the power switch counter-clockwise .

■ Adjusting Audio Volume

Turn the volume control clockwise to increase the audio output level and counter-clockwise to decrease the audio output level.

■ PTT Key Transmit

1. Hold down the PTT button and speak in a normal tone (red light on launch).
2. When you are finished speaking, release the PTT button and wait for reception.

◇ ON/OFF key lock: [🔒]

◇ Flashlight: [💡]

◇ Monitor Function: [MON]

In standby mode, press [🔒] key for 1.5 seconds to switch the key lock switch.

MENU OPERATION

Press [F1] key, enter the menu mode.

1. Press [▲] or [▼] key select the menu item and press [F1] to enter entry.
2. Press [▲] or [▼] to select the setting value, and press [F1] key to confirm and return to the previous menu.
3. Press the other key to exit and return to the previous menu.

No	Item	Description	The second level displays the characters	The second level setting description
0	RADI	Radio Switch	OFF/ON	Radio OFF/ON
1	BEEP	Keypad Beeper	OFF/ON	Keypad Beeper OFF/ON
2	SQL	Squelch level	0-9	In the 0-9 level between the adjustment, the higher the level, the deeper the noise
3	POW	High	High	0.5W power trans.
4	VOX	VOX Switch	OFF/ON	OFF/ON VOX Switch
5	PON. MSG	Power ON display	OFF	Boot full screen information
			DC	Turn on the display battery voltage
			MSG	Power ON the boot string

No	Item	Description	The second level displays the characters	The second level setting description
6	N	Narrow band	NARR	
7	R-CD	Receive CD	OFF/.../254.1Hz D023N/.../D7541	Press [*LOCK] key: select OFF, CTCSS, DCS. Press #[T-R] key: Switch DCS positive and negative code.
8	T-CD	Transmit CD	OFF/.../254.1Hz D023N/.../D7541	Press [▲] / [▼] key: select the group you need. Press [0-9] key directly put the CD you want.
9	LIGH	Indicator settings	OFF	The backlight turns off
			ON	The backlight turns on
			AT 2/.../AT 25	The backlight is turned off after the set time, and the number indicates the time
10	LOCK	Transceiver Lock Mode	MANU	Manual lock the keypad
			AT 5/.../30	After setting the time lock the keyboard, do not save the lock state
			AS 5/.../30	After setting the time lock the keyboard, save the lock state

No	Item	Description	The second level displays the characters	The second level setting description
11	SAVE	Power saving mode	OFF	Switch off the power saving mode
			1-1/1-2/.../1-10	Power saving rat: 1-1 least power saving, 1-10 power saving
12	AP0	Automatic power off	OFF/.../24 H	Setting time of power off
13	VOI	Dial selection	OFF/CHS/ENG	Dial switch off/Chinese prompt/English prompt
14	ROGER	Roger Tone	OFF/ON	Switch OFF/ON Roger Tone
15	TOT	Time -Out Timer	OFF	None time out timer
			30/.../600	Transmit is over time, radio will be automatically switch off the transmit
16	CHAD	Scan delete / Add	DEL/ADD	Delete /Add scan
17	SCAN	SCAN	/	Open Scan

COMPUTER R/W FREQ. FUNCTION

1. Use the specified radio programming cable, Please send computer COM communication port with intercom SP/MIC socket connection is good, and open the power switch of intercom.
2. Please open your computer, run walkie-talkie programming software.
3. According to the frequency and other functions when you need to set up, in programming under the main menu select frequency, to complete the work required to setup.
4. In programming under the main menu select reading frequency, you can see the walkie talkie set.

Channel List

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

TECHNICAL SPECIFICATIONS

The Whole Part	
Frequency range	EU: 446.00625~446.09375MHz
	USA:462~467MHz FRS
Using the temperature range	-10°C To +40°C
Frequency combination	Phase-locked loop frequency synthesis
Frequency stability	±2.5ppm
Memory Channel	99 Channel
Rated voltage	DC7.4V (Lithium Battery)
Antenna configuration	Rubber antenna
Antenna impedance	50Ω
Way to work	Same frequency simplex or pilot frequency simplex
Size	100mm×53mm×28mm (Do not include the antenna)
Weight	About 130g (Contains the battery pack)
Launch part	
Modulation method	Frequency modulation
The largest deviation	≤5KHz
The residual wave radiation	<60dB
Emission current	≤800mA

Receiving part	
The sensitivity	<0.20uV (12dB SINAD)
Noise sensitivity	<0.20uV
Intermodulation interference	50dB
Audio power	≥400mW
Receives the current	≤120mA
Noise waiting for current	15mA

NOTE

- *Product specification if have updated changes because of technology improvement, we will not inform you again, please understand! Thank you.*

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

RF Exposure complianceStatement and operating instructions

The device only supports simplex-mode and transmitting is no more than the rated duty cycle factor of 50% of the time. For hand-held operation, the radio should be held at least 25mm from the user's face. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements, and should be avoided. Use only the supplied or an approved antenna.

This product is compliance to FCC RF Exposure requirements and refers to FCC website <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> search for FCC ID: 2ARTJ-T80 to gain further information include SAR Values.

TROUBLESHOOTING

Fault phenomenon	Elimination method
Boot no reaction	<ul style="list-style-type: none"> • May have run out of battery, please update the battery or for recharging. • Battery may not correctly installed, please remove the reshipment once.
After the battery in charge also can not last long	<ul style="list-style-type: none"> • Battery life is over, please replace the new battery pack.
Can't talk to other members within the group	<ul style="list-style-type: none"> • Is beyond the scope of intercom effective communication distance. • Using the frequency or DCS/CTCSS of audio signal is not the same, please reset.
In other channel (not members)	<ul style="list-style-type: none"> • Please change the audio signal. Then be sure to change all the radio signal in the group.

Use the walkie talkie in the environment with the temperature between-10℃ and 40℃ , otherwise, it may damage your walkie talkie . It can be operating under 2000m.

Hereby, Quanzhou Teamup Electronic Co.,Ltd. declare that the radio equipment type walkie talkie is compliance with Directive 2014/53/EU .



For this device,Head SAR and Body SAR was performed with the device configured in the positions according to EN62209-2:2010,and face-up SAR was performed with the device 25mm from the phantom,and Body SAR was performed with the device 0mm from the phantom. Body SAR was also performed with the headset and belt clip attached and without.

Operation Frequency: 446.00625~446.09375MHz (FM)

Rated Output Power: 0.5W

Caution:

For Adapter: Shall be installed near the equipment and shall be easily accessible.

For Battery: Risk of explosion battery is replaced by an incorrect type, dispose of used batteries according to the instructions.

The plug is considered to be the disconnect device of the adapter. When it is full,Pls remove it in time.

Antenna gain : 2dBi