RECYCLABLE PACKAGING

UV400K Amateur Radio

Outdoor activity

Frequency range:

Tx:144-148MHz/420-450MHz & BT 2400-2483.5Mhz

Rx:136-174/220-260/350-390/400-520Mhz

USER'S MANUAL

THANK YOU!

We are grateful for your choice of our walkie talkie. We believe that this easy-to-use walkie talkie will provide dependable and cost-effective communications for you.

The waklie talkie incorporate the latest in advanced technology and craft. So you will be pleased with the quality and features of our products. Please read this manual carefully to ensure you know how to properly operate it before use.

PRECAUTIONS

1. Refer service to qualified technicians only.
2. Do not disassemble or modify the walkie talkie for any reason.
3. Do not expose the walkie talkie under direct sunlight long time or to extremely hot condition.
4. Do not place the walkie talkie on the unstable surface.
5. Keep the walkie talkie out of dust, moisture, and water.
6. Do not operate the walkie talkie or charge the battery pack under explosive conditions.

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Unpacking and Checking Equipment

Welcome to use this radio transceiver.

Carefully unpack the transceiver, we recommend you to identify the items listed in the following table before discarding the packing material.

- If you find any defective or missing parts during shipment, please contact your dealer immediately.

Supplied Accessories

ITEM	QUANTITY
Antenna	1
AC Adpater	1
Li-ion Battery Pack	1
Battery Charger	1
Belt Clip	1
Instruction Manual	1

BATTERY PACK

Charging Notices

The new or stored battery pack cannot reach its full capacity during the first charging. After two or three cycles of charging/discharging, the battery will achieve a full charge.

Applicable Battery

DANGER! Use the specified battery for charging. Using the wrong battery could result in an explosion.

Do not short circuit the battery terminals, throw the battery into a fire, or disassemble the battery pack.

The battery pack cannot achieve a full charge if it is charged outside of the range of temperature (0 or 40 C) 32 or 104F.

Do not use the transceiver while charging the battery pack. It is recommended to power off the transceiver while charging.

Do not take out the battery or shut off the power source while charging.

Replace the battery pack when the operating time becomes short, even if the battery is fully charged.

CAUTION! Do not recharge a fully charged battery pack. This may result in damage to the battery pack.

Do not charge if the battery pack or transceiver is wet.

WARNING

All batteries can cause property damage or bodily injury if conductive materials touch exposed terminals. Conductive materials may cause a short- circuit in the battery pack, becoming very hot. When placing a battery pack inside a pocket, purse, or other container with metal, exercise care.

Charging Instructions

1. Plug the charger into an electric socket.
2. Insert the battery or transceiver into the drop (charging tray).
3. Ensure the battery's contacts connect with the drop properly (in charging tray). While charging, the LED indicator will be red.
4. The LED indicator will be purple when fully charged. Remove the battery or transceiver.

LED INDICATOR	CHARGING STATUS
Red	Charging
Purple	Full Charge

Charging battery with Type C adapter

Use AC adapter compatible with battery to charge. The indicator light of adapter can display charging condition.

1. Insert Type C connector of cable into socket of battery correctly.
2. The LCD indicator will be red when charging.
3. The LCD indicator will be green when fully charged. Remove the charging cable from battery.

INSTALLING ACCESSORIES

Installing/Removing the Battery Pack

Push the battery pack and transceiver firmly together until it clicks into place.

Before removing the battery pack, turn the transceiver OFF.

Push down on the release latch while pulling the battery away from the transceiver.

Installing/Removing the Belt Clip

Using a screwdriver, install the belt clip. Remove the screw to remove belt clip.

INSTAL L ING/REMOVING ANTI ENNA

Screw the antenna into the connector on the top of the transceiver by holding the antenna at the base and turning it clockwise until secure.

Turn the antenna counter clockwise to remove it.

Installing the Optional Speaker Mic

Remove the cap and insert the two prongs into the jack.

KEYPAD INSTRUCTIONS

MENU KEY

Press: select menu. Press again to confirm the function once select.

Press and hold menu key: to switch frequency mode or channel mode.

▲ key

Press and hold ▲ key up to 2 seconds: Quick forward. Change scanning direction under scanning mode.

▼ key

Press and hold ▲ key up to 2 seconds: Quick backward. Change scanning direction under scanning mode.

EXIT key

Press: to switch between A band and B band. Press again to exit.

Number key

Write message into menu. Directly put irregular CTCSS under irregular CTCSS editable status. Directly put standard CTCSS and send, under standard CTCSS.

[*] key

Press [*] key to switch among Off-Set mode, Talk Around mode and normal mode. Press and hold the key to lock keyboard.

[#] key

Press [#] key to edit DTMF sending code with keyboard. Press # key to end, when DTMF code less than 9 numbers. Send DTMF encode by pressing PTT button.

PTT button

Press PTT button to transmit.

PF2 button

FM radio/Monitor/Scanning/Frequency scanning/VOX.

PF3 button

FM radio/Monitor/Scanning/Frequency scanning/VOX.

ICON INSTRUCTIONS

ICON	INSTRUCTIONS
CT	The current edit channel or the current transmit channel selects QT
DT	The current edit channel or the current transmit channel selects DCS
+	In full frequency, the current edit channel or the current transmit channel has offset in frequency direction
–	In full frequency, the current edit channel or the current transmit channel has offset in frequency direction
	Dual standby and dual display the frequency
	VOX function of the current edit channel or the current transmit channel is turned on
R	Reverse frequency of TX/TX in frequency mode/ channel mode
T	TX/RX same frequency in Talk Around mode
N	The current edit channel or the current transmit channel selects narrowband
	Battery level indicator. The icon flashes when low capacity of battery. TX is banned.
	Key lock is activated. Press and hold # button to unlock.
H	The current edit channel or the current transmit channel is set to be high power
M	The current edit channel or the current transmit channel is set to be middle power
L	The current edit channel or the current transmit channel is set to be low power
	Tone of DTMF is on
AM	AM modulation mode for current frequency
	Output power of TX
SC	Encryption is on

MENU INSTRUCTIONS

No.	FUNCTIONAL	SELECT	INSTRUCTIONS
0	SQL	0-9	The lower squelch level makes interference easier. The higher squelch level makes worse sensitivity. Medium level is suggested.
1	STEP	2.5KHz-50KHz	Press ▲ and to select step value
2	POWER	Low	
		Middle	
		High	
3	BATTERY SAVE	Off	Battery save is off
		Normal	1:1 battery save rate
		Super	1:2 battery save rate
		Deep	1:3 battery save rate
4	VOX SWITCH	OFF	VOX SWITCH is off
		On	No need to press the PTT button, you can call and transmit directly. (The higher the value, the higher the sensitivity)
5	VOX	1-9	VOX sensitivity select
6	VOX DELAY	0.5-2sec	VOX DELAY time
7	DUAL STANDBY	OFF	Dual Standby is off
		ON	Dual Standby is on
8	RX CTCSS	OFF	NO CTCSS
		67.0Hz…254.1Hz	Select CTCSS or directly type irregular CTCSS on keypad
9	RX DCS	OFF	NO DCS
		D023N…D754I	Select DCS or directly type irregular DCS on keypac
10	TX CTSS	OFF	NO CTCSS
		67.0Hz…254.1Hz	Select CTCSS or directly type irregular CTCSS on keypad

No.	FUNCTIONAL	SELECT	INSTRUCTIONS
11	TX DCS	OFF	NO DCS
		67.0Hz…254.1Hz	Select DCS or directly type irregular DCS on keypac
12	CH-NAME		First, enter the channel mode in the standby interface and select the channel, then enter menu 12 to edit the channel name.
13	ROGER	OFF	no reminding of End Talk
		BEEP	with reminding
		TONE1200	Reminding of End Talk (Frog Sound Tail Tone)
14	TOT	OFF	
		15s-180s	Time-Out-Timer (Transmit signal time limit)
15	BANDWIDTH	Wide	Wide bandwidth 50k
		Narrow	Narrow bandwidth 12.5k
16	MNUE REPORTING	OFF	Menu sounds OFF
		ON	Menu sounds ON
17	KEY TONE	Off	Key tone OFF
		On	Key tone ON
18	LANGUAGE	English	English
		Chinese	Chinese
19	BUSY LOCKOUT	Off	Busy Channel Lock OFF
		On	Busy Channel Lock ON
20	SC-REV1	Time	Stay a few seconds after the signal is received and then continue Scanning
		Carrier	After carrier signal is received, stay this frequency, until the signal disappears, continue scanning
		Search	When received the same carrier and tone, it will stay

No.	FUNCTIONAL	SELECT	INSTRUCTIONS
21	PF2	Radio	
		Moni	
		Scan	
		Search	
		Vox	
		Sos	
		Weather	
22	LONG PF2	Radio	
		Moni	
		Scan	
		Search	
		Vox	
		Sos	
		Weather	
23	PF3	Radio	
		Moni	
		Scan	
		Search	
		Vox	
		Sos	
		Weather	
24	LONG PF3	Radio	
		Moni	
		Scan	
		Search	
		Vox	
		Sos	
		Weather	

No.	FUNCTIONAL	SELECT	INSTRUCTIONS
25	BACK LIGHT	Bright	Back light is always on
		5sec-20sec	Select time range of back light
26	OFFSET		the frequency difference frequency
27	SFT-D	None	Transmitting frequency and receiving frequency is thesame.
		Plus	Receiving frequency is the transmitting frequency plus thefrequency difference frequency
		Minus	Receiving frequency is the transmitting frequency minus thefrequency difference frequency
28	SCAN CTCSS	off on	
29	SCAN DCS	Off on	
30	CDCSS SAVE MODE	ALL	When scanning to the corresponding CTCSS and stop scanning, the indicator light flashes; Press the direction keys to continue scanning up or down; Press [EXIT] or any key to withdraw from the scan.
		RX	
		TX	
31	S-CODE	Code 1……15	Select ID of the radio
32	PTT-ID	OFF	DTMF OFF
		BOT	BOT indicates that the start code is transmitted immediately after the startof transmission
		EOT	EOT indicates that the end code is transmitted before the near endtransmission
		BOTH	BOTH indicates that the corresponding code is transmitted at the startand end of transmission
33	DTMFST	OFF	DTMF tone is OFF when transmiting
		DT-ST	DTMF tone of the key is sent when transmitting

No.	FUNCTIONAL	SELECT	INSTRUCTIONS
		ANL-ST	DTMF tone of ANI code is sent when transmitting
		DT+ANI	Both DTMF tone of key and ANI code is sent
34	AUTOLOCK	OFF	Keypad lock is off
		5sec-15sec	Select time range of keypad lock
35	CH-MEMORY	CH-1-256	Select the channel number to store which is shown on display. It means channel stored if CH-is in front of number
36	CH-DELETE	CH-1-256	Select the channel number to delete channel. It means channel without stored if no CH-is in front of number
37	SCAN ADD	Delete (OFF)	In channel mode, the channels of several radios are the same. If one of them opens the scan add, and opens the scan, it can monitor all calls of other radios in all same channels.
		Add (ON)	
38	R-Tone	1000hz-2100hz	Tone adjustment select
39	PTT-LT	0-1000Ms	Additional delay in sending code
40	MENU EXIT TIME	5sec-60sec	
41	RP-STE	OFF	When radio works through repeater transmitting radio is in RX status after PTT is over. to delay of repeater, noise comes with the instantaneous signal from repeater. Adjust properly the time, till the radio doesn't receive noise. This function can be off if no need the noise to make sure whether epeater is on working or not. (Repeater Tail Tone Elimination)
		1s-10s	
42	RPT-RL	Off	Repeater Tail Tone delay
		1s-10s	
43	MDF-A	Name	Channel displays by channel name (channel name is programmed through programming software)

No.	FUNCTIONAL	SELECT	INSTRUCTIONS
		Frequency	Channel displays by frequency
		Channel Num	Channel displays by channel number
44	MDF-B	Name	Channel displays by channel name (channel name is programmed through programming software)
		Frequency	Channel displays by frequency
		Channel Num.	Channel displays by channel number
45	TAIL	Off	Tail Tone Elimination (OFF, ON)
		On	Tail Tone Elimination (OFF, ON)
46	SOS MODE	On Site	Send SOS directly
		Send Sound	Send SOS in tone
		Send Code	Send SOS in code
47	TAIL FREQUENCY	55Hz	
		50Hz	
48	SCRAMBLE	OFF	Scramble is off
		Scramble Evel 1-8	Scramble encryption. In order to make your group members understand the contents of your call, all the members should startup scramble on their transceivers. When receiving, thesound signalings will return to normal on your transceiver.
49	RESET	Vfo Mode	Initialization of menu and VFO mode
		Reset All	Initialization of Radio
50	VERSION		

Other functions and instructions

1. PTT

Press PTT to transmit A frequency when A band is on working.

Press PTT to transmit B frequency when B band is on working.

2. AM mode

When frequency is set during 108-136MHz, AM receiving mode is on working.

3. Scanning

① **Time Scanning mode (TO)**

Stay a few seconds after the signal is received and then continue Scanning

② **Carrier Scanning mode (CO)**

After carrier signal is received, stay this frequency, until the signal disappears, continue scanning

③ **Search Scanning mode (SE)**

When received the same carrier and tone, it will stay

4. FM radio

① Press FM key to activate FM radio function. Frequency is shown on LCD

② Select frequency by pressing ▲ and ▼ button. Also can input frequency 65-108MHz by pressing number key. Automatically searching FM by pressing # key.

③ Press FM key again to turn off FM radio function

5. Frequency Searching

This function is set through PF2/3 button programmed by software. After the function is activated, this radio can search TX UHF frequency (including CTCSS/DCS) from transmitting radio. Restart searching by pressing ▲ and ▼ button. Continuous searching is supported. Press Menu key (green) to save searched channel.

Note: Only UHF band can be searched.

6. DTMF

A. DTMF encode

Quick encode: Press number key, *, #, MENNU key, UP, DOWN, V/M and A/B key to send DTMF encoder with 0-9, ABCD * #. Press and hold to send continuously. Release key to end sending. Edit encode and send: Press # key to access DTMF display. Input DTMF encode with 0-9, ABCD * # on keypad. End with # when less than 9 numbers, Press PTT to send DTMF after input.

B. DTMF decode

TROUBLESHOOTING

Problems	Solutions
No Power Supply	• Battery Pack may be out of service. • Please change the battery or charge it
Duration of the Battery is short even right after the charging	• Service life of the battery is coming to the end. • Please change the battery
Fail to contact with others in the same group	• Please make sure that the frequency you use and your mute audio tone is the same as that of others • Maybe the distance between you and your members are too long • Make sure that whether you are standing in the valid area of other interphones
Voices from nonmembers	• Please change the mute audio tone. • Please change all the tones of the interphones

WARRANTY CARD

Model Number: _____

Serial Number: _____

Purchasing Date: _____

Dealer: _____ Telephone: _____

User's Name: _____ Telephone: _____

Address: _____ Post Code: _____

Remarks:

1. This guarantee card to be kept by the user, no replenish-ment if lost.

2. This guarantee card to be filled & chopped by the dealer, or it is invalid.

3. Don't alter the guarantee card, please coufirm the serial number on the guarantee card is same as that on the machine.

4. One year warranty for walkie talkie. Accessories, such as charger, battery, antenna and belt clip, are not covered.

5. The user can get repairing service from the following ways: by contacting local dealer or distributor.

FCC 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.

Part 97 does not require equipment authorization (with the exception of external power amplifiers).

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

FCC Regulatory Conformance

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 FCC equipment authorization for this radio could violate FCC rules.

RF Exposure Statement:

SAR tests are conducted using standard operating positions accepted by FCC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is an available for sale to the public, it must be tested and certified to the FCC that is does not exceed the exposure limit established by the FCC. Tests for each product are performed in positions and locations as required by the FCC. For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with and accessory designated for this product or when used with and accessory that contains no metal. To maintain compliance with FCC RF exposure guidelines, hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face.