

Instructional Icons

This radio is not intended for use by general population in an uncontrolled environment. It is only for occupational use and only applied to work-related conditions.

The radio must be only used by users, who are fully aware of the hazards of the exposure and who are able to exercise control over their RF exposure to qualify for the higher exposure limits.

The radio should be not be using more than 50% duty factor in PPT and VOX function;

The following icons are available through this manual.

Notice to the User:

* Government laws prohibit radio communication without permission in government districts.

* Illegal operation is subject to punishment by fine and/or imprisonment.

* Refer service to the well-trained professional technicians only.

Safety:

It is important that the user is aware of and understands hazards common to the operation of any radio.

Thanks for buying this series two-way radios. This transceiver is innovative in design, powerful, and stable in performance, and easy to operate. We are confident that the quality and functionality of this transceiver will satisfy you and meet all your communication needs.

Notices to User

- ※ Government law prohibits the operation of unlicensed radio transmitters within the territories under government control.
- ※ Illegal operation is punishable by fine or imprisonment or both
- ※ Refer service to qualified technicians only.

WARNING

It is important that the operator is aware of and understand hazards common to the operation of any transceiver. Explosive environment (such as gases, dust, fumes, etc.) Turn off your transceiver while taking on fuel, or while parked in gasoline service stations.

Welcome to use our wireless two-way radio

Main Function

Dual band, dual frequency, dual standby
2×128 memory channels
A/B frequency independent operation
ANI code
Wide/narrow bandwidth selective
CTCSS/DCS scanning
8 groups scrambler
2/5 tones encoding&decoding(Optional)
DTMF encoding&decoding
All call, group call, selective call
Remote stun, remote kill
Standby/Tx/Rx backlight color setting
10 channels for FM radio storage
Bright flashlight illumination
VOX function
Chinese/English voice prompt
IP65 waterproof



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USING TIPS

Please read the following brief instructions, non-compliance with these rules may cause danger or violate the law.

- ※ Obey the local government regulation before using this radio, improper use may violate the law and be punished.
- ※ Turn off the radio before entering flammable or explosive areas.
- ※ Do not charge or change the battery in flammable or explosive areas.
- ※ Turn off the radio before getting close to the blasting zone or detonator areas.
- ※ Do not use radio whose antenna is damaged, touching of damaged antenna will cause heat injury.
- ※ Do not attempt to disassemble the radio; maintenance work should be done by technical expert only.
- ※ To avoid troubles caused by electromagnetic interference or electromagnetic compatibility, please turn off the radio in places where have the banner of "Do not use wireless equipment", such as hospital and other healthcare places.
- ※ In the car with an airbag, do not put the radio within the scope of the airbag deployment.
- ※ Do not store the radio under direct sunshine or in hot areas.
- ※ When you transmit with the radio, do keep away from its antenna for 5cm at least.
- ※ If the radio appears smelly or smoke, please shut off its power immediately and contact with your local dealer.
- ※ Do not transmit too long, for the radio may heat and hurt the user.

UNPACKING AND CHECKING EQUIPMENT

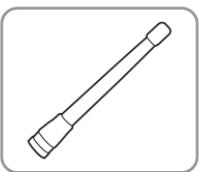
Welcome to use this series transceiver. Please check if any damage happens to the package when you receive it. Carefully unpack the transceiver. We recommend you check the items listed in the following table.

If any item is missing or damaged during shipment, please contact with your local dealer immediately.

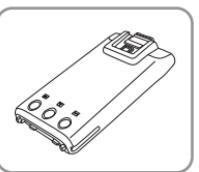
Supplied items:



Radio body



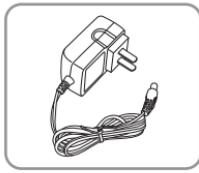
High gain antenna



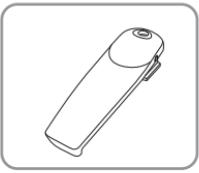
Li-ion battery



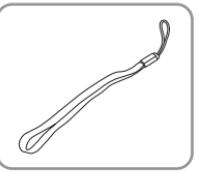
Intelligent charger



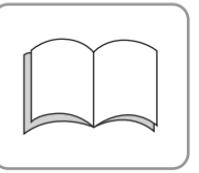
Power adapter



Belt clip



Strap



User's manual

GETTING FAMILIAR

LCD display

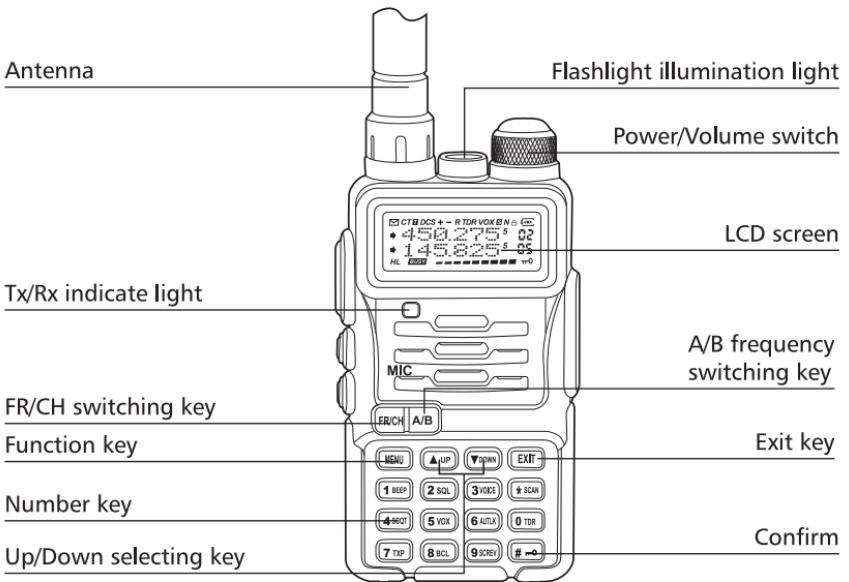
You will see various icons shown on the screen when power on. The following table can help you identify icon's meanings which display on LCD.

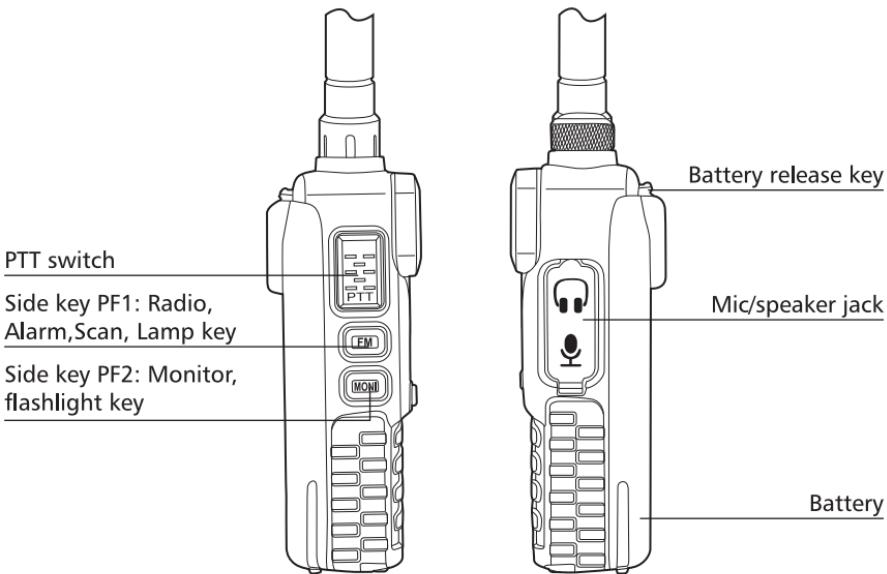
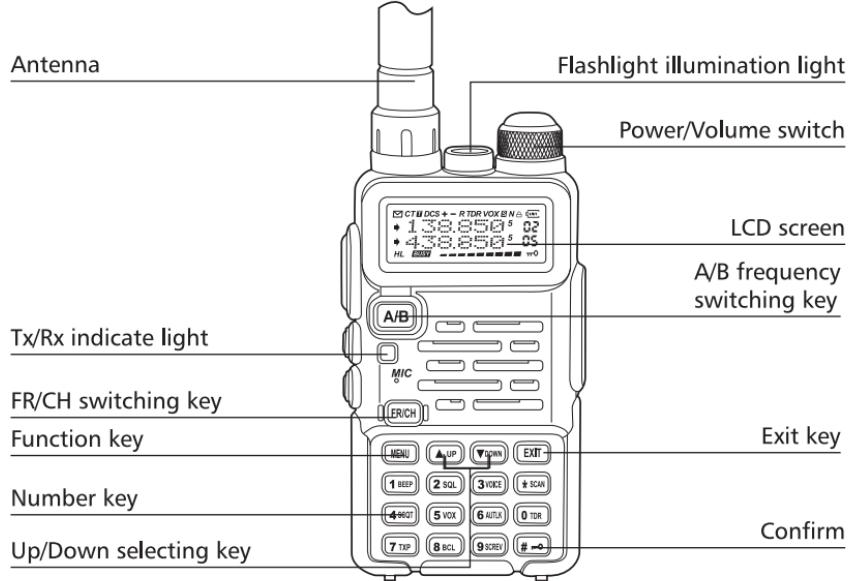


Icons	Description of functions
Rx signal strength&power meter	
H	High power activate
N	Narrow band mode activate
S	Signal received in another standby frequency
R	Reverse frequency activate
D	Dual standby activate
FM	FM radio activate
+	Shift direction (+)

	Scrambler activate
	Beep tone activete
	Keypad lock activate
	Voice companding function activate
	Battery voltage indicator
	CTCSS activate
	DCS activate
	VOX activate
	DTMF function activate
	Frequency mantissa indicator
	Channel number/Menu item's number indicator

Radio Illustration





WORK MODE

1 Frequency mode (VFO)

Under this mode, you can use [] / [] key to change frequency or input your desired frequency directly by keypad and store channels.

2 Frequency-Channel mode (MR)

When you have stored at least one memory channel, under VFO mode, and channel display mode has set as FREQ (pls refer to Channel display mode setting in menu item 27), press [] to enter Frequency-Channel (MR) mode. The frequency will be displayed in screen and the channel No. will be indicated at the right side.

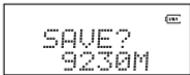
3 Channel mode (CH)

When you have stored at least one memory channel, under VFO mode, press [] to enter Channel mode (CH), the screen will display channel No., and if the channel name display is turned ON (pls refer to Channel display mode setting of NAME in menu item 27), channel name will be displayed in screen and the channel No. will be indicated at the right side.

FM radio mode

Define the function of PF1 to be RADIO (More details please refer to the side key function setting in menu item 28). Then press PF1, the radio enters into FM radio mode, you can input the desired FM radio frequency directly by keypad.

Press [] to start FM radio search, when there is FM radio signal searched, it will stop in that FM radio frequency. Press [], the screen shows



Then press any number of 0-9 to select the desired channel for storage, the FM radio frequency is stored.

After you have stored at least one FM radio channel, press [],

the screen shows

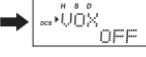
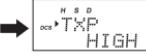


Then press any number of 0-9, it switches to the corresponding FM radio channel. If there is no FM radio frequency in the channel, then the operation is invalid, it stays in the current FM radio frequency.

Press side key PF1 again to exit FM radio.

MENU ITEMS DESCRIPTION AND SETTING

SHORTCUT MENU OPERATION

Item No	Name	Enter	Screen display	Select parameter	Parameter description	Confirm	Exit
1	Beep Tone	→ MENU + 1 BEEP		→ MENU	Press ▲ up / ▼ down key to select parameter	ON / OFF	→ MENU → EXIT
2	Squelch level setting	→ MENU + 2 SCL		→ MENU	Press ▲ up / ▼ down key to select parameter	Levels 0-9	→ MENU → EXIT
3	Voice prompt	→ MENU + 3 VOICE		→ MENU	Press ▲ up / ▼ down key to select parameter	Chinese / English / OFF	→ MENU → EXIT
4	CTCSS/ DCS scan	→ MENU + 4 SCL		→ MENU	Press ▲ up / ▼ down key to select parameter	Scanning by CTCSS Scanning by DCS	→ MENU → EXIT
5	VOX setting	→ MENU + 5 VOX		→ MENU	Press ▲ up / ▼ down key to select parameter	Vox level: 1-10 OFF: Vox transmission is prohibited	→ MENU → EXIT
6	Auto keypad lock	→ MENU + 6 AUTLK		→ MENU	Press ▲ up / ▼ down key to select parameter	ON / OFF	→ MENU → EXIT
7	Tx Power setting	→ MENU + 7 TXP		→ MENU	Press ▲ up / ▼ down key to select parameter	High / Low	→ MENU → EXIT

Busy
channel
lockout

Scanning
mode
setting

ON / OFF

TO/CO/SE

