

MD-750

User manual

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一. Familiar with the machine

Waiting to add appearance and description

二. Button part

PTT button (transmit button)

The transfer button for transmitting and receiving, press this button when transmitting, and speak to the microphone; when receiving, release this button

Side button 1

- A. Short press this button and release it, open the function of short press setting, short press and release again, function is turned off.
- B. Press and hold this button for a long time to open the long press setting function, press and release again, the function is turned off.

Side button 2

- A. Short press this button to turn on/off flashlight
- B. Press and hold this button for a long time to open the long press setting function, press and release again, the function is turned off.

VFO/MR key (P2 key)

In the main interface, switch VFO mode and channel mode

A/B button (P1 button)

In the main interface, switch the primary/secondary channel, and the channel pointed by the arrow is the main channel.

Function keyboard

Menu selection / confirmation button: OK (MENU)

- A. Main interface mode, short press to enter the menu, enter the menu and use this button to confirm the selection.
- B. Press and hold for a long time to quickly enter the radio nearest menu Settings

Exit/clear key: BACK

- A. In the input state, clear the entered information
- B. Under the DTMF function, the D code word is represented.

● Up key: ▲

- A. Move up, change the scanning direction while scanning
- B. Under DTMF function, it means A (B) codeword
- C. SMS editing interface, move up

● Down key: ▼

- A. Move down and change the scanning direction while scanning
- B. Under DTMF function, it means B (C) code word

C. SMS editing interface, move down

- Left shift key: P1

A. Move to the left.

B. Under DTMF function, it means C code word (without any word code)

C. SMS editing interface, move left

- Right shift key: P2

A. Move right.

B. Under the DTMF function, it means D code word

C. SMS editing interface, move right

Number keys 0 to 9

A. Default: 0 to 9 digits

B. Under DTMF function, indicate DTMF [0~9] code

C. If you assign number keys as shortcut keys, long press this button to jump to the corresponding contact

- * key

A. Long press this button, the keyboard lock; to unlock, press the quick key combination Menu/ OK and *

B. Under edit box such as SMS, press this button to clear the data.

C. Under the DTMF function, indicate * code

- # key

A. Under main interface of digital mode, short press # key to enter manual dialing interface

B. In the analog mode, press and hold the PTT to send DTMF function, indicating # code

C. Under main interface of analog mode, short press # key to pop up DTMF dial code box. At this time, you can manually input DTMF code. After input, press PTT to start DTMF dialing function.

D. Under the input method interface, short press the # key to switch the input method mode.

- Glossy flashlight Key: Side button 2 short press

A. Short press first time to open the glare flashlight.

B. Short press second time to open photoelectric alarm SOS.

C. Short press third time to close.

Power/volume switch

Turn the power of walkie-talkie when turning clockwise; turn it to the end counterclockwise, turn off the power of walkie-talkie when you hear “click” ; turn clockwise to increase the volume, and vice versa

Status Indicator

Transmit - red light


Receive - green light

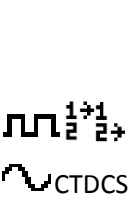





















Scan - green light flashes

三. LCD icon display

The corresponding function icon will be displayed on the display during operation. This display gives you a quicker idea of what the indicator means and how to set it up.



LCD icon explanation

Icon	Explanation
	Signal strength indication, the smaller the number of cells, the smaller the signal

H L	Current transmit power is high (H) or low (L)
 CTDCS	 digital non-dual capacity direct mode  Digital mode, dual capacity direct mode is on and works in time slot 1  Digital mode, dual capacity direct mode is on and works in time slot 2  Analog and no CT/DCS setting CT Analog and CT setting DCS Analog and DCS setting
	Speaker is turned on, effective reception
N 	N analog mode, working in narrowband mode. Digital mode, unread SMS, means there is currently unread SMS, press MENU to view. when no unread SMS, the icon disappears
	Indicates that VOX function is enabled, and the transmission is started when the sound pressure of the microphone reaches the set value. This feature can be configured via VOX of radio set in menu
+ - 	+ Indicates that the transmission frequency is the reception frequency plus a frequency deviation - Indicates that the transmission frequency is the reception frequency minus one frequency deviation, and the frequency difference can be set in the walkie-talkie configuration of the menu item  Talkaround function, in the different frequency mode, enter the menu setting to display the icon when the network is off
	In monitor mode
S	S means that the dual-band standby function has been set, and it can simultaneously wait for the two frequency bands displayed on the screen.
	 : normal scanning,  : priority 1 channel scanning,  : priority 2 channel scanning, and 2 priority channels at this time.  Lock the icon for the keyboard
	Display the remaining battery power of the current battery. When the battery power is about to run out, the icon is  , indicating that the battery needs to be charged.
	Point to the main digital mode, press the A/B button to switch the main channel up and down. When the dual standby is turned on and works on the digital subchannel, the icon is 
	Point to the main analog mode, press the A / B button to switch the main channel up and down, when the dual standby is turned on, when working on the analog subchannel, the icon is 
001	channel mode, the current channel number is displayed, ranging from 001 to 128

四. Menu info

Press OK to enter the menu; press up, down, left, and right to select, press OK to confirm; press EXIT to return

First level menu	Second level menu	Third level menu	Option	Setting description	Remarks
Contact	Contact	Contact list	view contact	Check contact name and number	Only support digital mode
			quick key	The contact configuration number is 0-9, and choose empty to turn off quick key.	
			delete	Delete current contact	
	New contact	Input num	xxxx	Enter the contact number, maximum 16777214, press OK to confirm, press BACK to delete	
		Alias	Abcd	Enter name, support upper and lower case letters and special character input	
		Tone	off Tone1-10	There are 10 kinds of tones to choose from. When the caller chooses to enable the call prompt and the caller's own number is the new contact, the unit will send the tone. Choose Off to turn off tone.	
manual dial	Enter the number manually, press BACK button to delete or return, press the OK button to choose corresponding operation. Press PTT to call the single-call contact for dialing, up to 16777214 (16777215 full call number)				
Message	Inbox	Inbox	List xxxx	Unread mark  , read mark  , press OK to edit the content, then press OK to reply / forward / delete	Only support digital mode
		Delete All	Yes/No	Yes: delete all, No: don't delete	
	New Message	Editing interface		Support upper and lower case letters and special character input, press # key to switch input method, press OK to select send / save / clear	
		Outbox	Outbox	List...	
	Delete all			Yes: delete all, No: don't delete	
	Draft	Draft	List...	Press OK button to edit the content, then press the OK button to send/edit/delete	
		Delete all		Yes: delete all, No: don't delete	
	Quick Text	List...		Press the OK button to edit the content, then press the OK button to send / save / clear	
Call logs	Outgoing	Outing	List...	Dialed private call, press OK to view/add contact/delete, add to contact to enter alias to store in contact list	Only support digital

		Delete all		Yes: clear dialed call list, No: Do not delete	mode
	Answered	Answered	List...	Received private call,press OK to view/add contact/delete, add to contact to enter alias to store in contact list	
		Delete all		Yes: clear received call list, No: Do not delete	
	Missed	Missed	List...	Missed private call,press OK to view/add contact/delete, add to contact to enter alias to store in contact list	
		Delete all		Yes: clear missed call list, No: Do not delete	
Set	Radio Set	CTCSS/DCS	C CTC/DCS	Change the encoding and decoding of CTC/DCS. Press OK to enter, Press the * key to select OFF / DCS, and press the up and down keys to choose CTCSS in the OFF interface.. In DCS mode, press “#” key to switch between normal phase (N) and reverse phase (I). You can also manually input non-standard CTCSS / DCS by keyboard, press OK key to confirm, press BACK key to return	Only support analog mode
			R CTC/DCS	Change the decoding of CTCSS / DCS. Setting method is the same as above	
			T CTC/DCS	Change the encoding of CTCSS / DCS. Setting method is the same as above	
		Squelch	Level 0-9	Level 0-9	
		TX Power	Low	Transmit on about 5W	
			High	Transmit on about 1W	
		Talkaround	On	ON.This function will only work if the current channel of programming software is “Allow Talkaround” .	
			关 Off	Off	
		Band	Narrow	work on narrow band	Only support analog mode
			Wide	work on wide band	
		Busy lock	Off	Can also transmit even the channel is occupied	
			Carry	forbidden to transmit after press PTT when there is carrier	
			QT/CC	forbidden to transmit when Match CTCSS/DCS / color code	
				OFF	Off, no transmit restrictions

			15~495S	There is a warning 10 seconds before transmission limit time. limit is reached, and it is time to prohibit transmitting. For example, set 60 seconds and issue a warning for 10 seconds at the 50th second. If you continue to transmit, the transmit is prohibited at 60 seconds	
		Vox	OFF	turn off VOX	
			1~10	Do n' t press PTT when you turn it on, you can just shout and you can transmit. The sound control sensitivity can be set from 1 to 10. Level 1 is the most sensitive level, level 10 is the least sensitive level	
		Double Wait	Off	Turn off dual standby, the radio enters single band mode	
			Double Wait	The main channel and the sub-channel are scanned alternately, and the call is locked when receiving effectively. Press PTT to talk to the other party.	
			Single Wait	The upper and lower channels are switched by the keyboard. The radio works on the main channel, and the secondary channel cannot transmit or receive.	
		Encrypt	Off	Turn off Encryption	Only support digital mode
			On	Encryption is turned on. Both parties on the call must match the key to make a normal call.	
		Power Save	Off	Turn off power save	
			On	Turn on power saving mode, power saving ratio is 1: 4	
		Beep	All Tone	Options: off / on. Select to turn off all beeps when off, but exclude emergency alert beeps	
			Call Permit	Options: Off / Digit/ Analog / Both. After pressing the PTT button to transmit a signal through the channel, this alert tone will sound, which can prompt the user to start speaking. Off: Turn off call permit Digital: Enable this tone only for digital channels Analog: Enable this tone only for analog channels	




				Both:Enable this tone for both digital and analog channels		
			Key Beep	Options: off / on. No beep sound when the close button is selected		
		Backlight	Always On	Always On		
			Always Off	Always Off		
			5/10sec	Time to automatically turn off the backlight		
		Keypad Lock	Manual	Long press * to lock, then press OK and * Key unlock		
			5/10/15 sec	Auto lock, set time to auto lock, then press OK and * Key unlock		
		Indicator	Off	Lights (transmit light, receive light, power-on light, etc.) do not work when turn off		
			On	On by default		
		Passwd Lock	Input Password	Enter correct password to use radio.. The password can be configured by default on programming software Options: Turn on / off / change password Turn on or off: It can be turned on when it is currently off, and it can be turned off when it is currently on. When On is selected, the radio can only be turned on by entering the correct password and pressing OK Change the power-on password: you can enter a new password of less than 6 digits, please remember it after changing		
		Mode	CH No.	Channel mode is displayed as channel number		
			CH Name	Channel mode is displayed by channel name		
			CH Freq	Channel mode is displayed by frequency		
		Screen	Picture	Display based on pictures provided by customers		
			Character	Two lines, editable by programming software		
		Radio Info	Radio ID	12345678	Press OK to modify. Digital mode displays radio ID, the maximum is 16777215 ; Analog mode displays the local DTMF' s own ID number	
			Dev. Info	Radio	model	
				S/N:	radio unique alphanumeric characters	
				CPS-Version	Read and write software version	
				H-version	Hardware board version	
Soft-Version	Software version of the internal hardware components of the radio					

			DSP-version	Digital processing chip DSP software version number	
			Program Date and Program Time	last programmed date and time of radio	
	Radio Cfg	Rx_Freq	Receiving frequency settings, press * to clear them all, press BACK to delete them individually		
		TX_Freq	Transmission frequency setting, press * to clear all, press BACK to delete them individually		
		Ch-Name	Channel name settings, press * to clear all, press BACK to delete them individually		
		Color Code	Options: 0 ~ 15 optional, only digital mode is valid		
		Slot	Options: 1 ~ 2 optional, only digital mode is valid		
		Shift Freq	000000 ~ 50,00000K, the minimum step value is 50K.		
		Shift Dir	Options: Off / + / - Off: In frequency mode, there is no difference between transmitting and receiving frequencies +: In frequency mode, the transmitting frequency is equal to the receiving frequency plus the difference frequency -: In frequency mode, the transmitting frequency is equal to the receiving frequency minus the difference frequency		
		Freq Step	Options: 2.5K / 5.0K / 6.25K / 10K / 12.5K / 25K / 30K / 50K. In frequency mode, press the up and down keys to adjust the frequency step value, and the frequency mode scans in this step.		
	Ch Type	Options: analog / digital. Switch between analog and digital modes in frequency mode			
Zone	Zone list				
Scan	(Double wait) On/Off				
	Scan List	Channel list			
	FM				

五. Common operation

1. Dual band double wait(dual standby)/single wait switch

Press the P1 key to switch the main channel up and down, and the solid arrow  points to the main channel.

The dual band working mode can be selected through menu, flow: menu-set-radio set-double wait(off/double wait/single wait). When "single wait" is selected, the radio only works on the main channel and the subchannel does not receive the signal; when "double wait" is selected, the icon bar displays the "S" icon, and the radio main channel and the sub-channel receive by turns scanning. When the valid receiving signal is scanned, the radio locks and works. If locked the channel is not the primary channel, at this time,  it points to the temporary working channel. When the time is up, the  disappears. The main channel is transmitted by the PTT  without the temporary identification status.

Note: Since the double wait mode is in the primary and secondary channel scanning by turns, the DTMF signaling system and auto scan do not work.

2. VFO / MR mode switch

In the main interface, press P2 to switch between VFO mode and MR mode. There is no channel number display in VFO mode. The receiving frequency can be input manually. The parameters can be changed through menu. Press the up and down keys to adjust the frequency up and down according to step.

MR mode displays the current channel number. You can manually input the channel number. The parameters can be changed through menu. Use the up and down keys to switch channels up and down.


3. Digital call

The digital call channel can be configured with an encryption through programming software, and the encryption switch can also be set by menu -set-radio set -encrypt.

3.1 Group call

Initiation: Set group call contact of the current channel by programming software or manually select the group call contact in the contact list of the menu of radio, press PTT to initiate the group call. The interface displays: the first line displays the call type: group call. The second line displays the contact alias and the third line displays the group call number.


Receive: To receive a call from a Rx group, the walkie-talkie must configure the current channel to belong to the RX group. When receiving a group call, the LED indicator lights up in green. In the display area: the first line displays

“Group Call” , “Call Group Alias” is displayed in the middle, and the Caller ID and Incoming Icon  are displayed at the bottom. Hold the walkie-talkie in a vertical position and keep it at a distance of 1 to 2 inches (2.5 to 5.0 cm) from the mouth. Press the [PTT] button to reply to the call and the LED indicator lights up in red. Release the [PTT] button to answer. If there is no voice activity within the predetermined time period, the call is terminated.

3.2 All call

All call is a call made by an individual walkie-talkie to all walkie-talkies on the channel. It is used to publish important announcements that require special attention from users.

Initiation: The contact of the current channel configured by programming software sets all call number or manually selects all call contact through the contact list of the menu of radio, presses the PTT to initiate all call, and the interface displays: the first line displays the call type: all call; The second line displays the contact alias and the third line displays all call number.

Receive: The LED indicator lights up in green. In the display area: the first line displays “all call”, the middle displays “all call” , and the bottom shows the caller ID and the incoming call icon . After the call is terminated, the walkie-talkie returns to the screen before receiving all call. If the “channel Freq indication tone” function is enabled, when the transmitter releases the [PTT] button, the receiver will hear a short beep indicating that the channel is currently in use but cannot answer all call.

Note: When you receive a all call, if you switch to another channel, the transceiver stops receiving all call. During all call, you will not be able to use any pre-programmed buttons until the call ends.


3.3 Private call

Private call is a call from one individual walkie-talkie to another individual walkie-talkie. There are two types of private call: the first type, the walkie-talkie presence detection is performed before the call is prepared (press # key to enter the number input box, press the OK key to select the call alert or radio check), and the other type is ready immediately to call.

Initiation: Set private call number of the current channel's contact configured by programming software, or manually select private call contact through the contact list of the machine's menu, or manually dial (press # to enter the

number input box and enter the other party's number) . Press PTT to initiate private call. The interface displays: the first line displays the call type: private call, the second line displays the contact alias, and the third line displays the private call number.

Note: If programming software is configured with the “private call confirmed” function of the current channel, the PTT will first handshake with the other party after the PTT is pressed. After the handshake is successful, the call can be initiated normally.

Receive: The LED indicator lights up in green. In the display area: the first line displays “private call” , the middle displays “private call” , and the bottom line displays the caller ID and the incoming call icon . Hold the walkie-talkie in a vertical position and keep it at a distance of 1 to 2 inches (2.5 to 5.0 cm) from the mouth. If the “channel Freq indication tone” function is enabled, when the transmitter releases the [PTT] button, the receiver will hear a short tone indicating that the channel is idle and waiting for a reply. Press the [PTT] button to reply to the call and the LED indicator lights up in red. Release the [PTT] button to answer.

4. Emergency alarm

An emergency alert is used to indicate an emergency, and you can make an emergency call at any time or on any screen, even if there is activity on the current channel. Only digital alarms are supported.

Digital alarm ((The side button is set to Emergency on/off and the alarm type is set to regular)

Initiator: Press sidekey set as emergency on to enter the alarm mode (interface display: the first line displays Alert, the second line displays the alarm group call contact alias, the third line displays the group call number), local alarm And wirelessly send alarm commands, alarm mode (emergency alarm or emergency alarm W/call or emergency alarm w voice to follow) can be set. Press set as emergency off or the maximum number of attempts to send an alarm to exit the alarm mode.



Remark: Only programming software is equipped with the “emergency system” of the current channel, and contact of the reply channel(revert channel) of the emergency system is a group call, then the alarm system can function.

Receiver: After receiving the alarm command, the alarm message is displayed (interface display: the first line shows Recv Alert, the second line displays group call, the third line displays the alarm party alias or ID number) and sounds local alarm tone, press the PTT button drop out.

5. Data commands

5.1 Message

Initiate: In the digital mode, press OK to enter the menu, select message, select the corresponding item, press OK to select Send and confirm, select contact or manual dial, press OK to send short message, and display “message send success” after successful transmission and return. display "message send fail" when failed and return.

Receive: After receiving the SMS, send a prompt tone and stop the display interface. Press OK to view, press BACK to exit. If there is no view, the icon  will be displayed in the icon bar. Only all the messages will be viewed and the icon  will be cleared.

5.2 Call Alert

Initiate: In the digital mode, select private call contact (press OK to enter menu, select private call contact or main interface press # key to enter private call number), select “call alert” , press OK button to start, display “call alert success” when success, displays "call alert fail" when failed.

Receive: After receiving the call alert command, ring (the caller's contact of menu contact list has the tone function enabled) and pause the display interface, press BACK to exit.

5.3 Radio Check

Initiate: In the digital mode, select private call contact (press OK to enter menu, select private call contact or main interface press # key to enter private call number), select “radio check”, press OK button to start, display “radio check success” when success, displays "radio check fail" when failed. After radio is successfully checked, you can call the other party by PTT.

Receive: Automatically reply after receiving radio check command.

5.4 Remote monitor

Initiate: In the digital mode, select private call contact (press OK to enter menu, select private call contact or main interface press # key to enter private call number), select “remote Mon.”, press OK button to start, display “remote mon. success” when success, displays "remote mon. fail" when failed. The radio can monitor the background sound and speech of the other party after successfully remote monitor.

Receive: After receiving the remote monitor command, it automatically starts the Remote Monitor duration configured by the transmitting host computer, and the transmission time is automatically exited. During remote monitoring, the user automatically exits the remote monitoring state by pressing PTT.

Note: This function only works if the host computer has this function enabled.

The main caller settings: menu - contacts - remote monitoring (tick)

Called PC Settings: Signaling Basic Signaling Basic - Remote Monitor Decoding (Tick) Radio Monitor Decode, you can set the Remote Monitor Duration

5.5 Activation

Initiation: In digital mode, select the one-call contact (press OK to enter the menu, select the one-call contact or press # on the home screen to enter the one-call number), select "Intercom Wake Up", press OK to start, and successfully display "Intercom Wake up successfully", failure display "Intercom wake up failed".

Reception: After receiving the radio wake-up command, it will send a wake-up sound and turn off and then on again. Can also be activated by frequency writing software.

Note: This function can only work if the host computer has opened this function.

5.6 Haruka

Initiation: In digital mode, select the one-call contact (press OK to enter the menu, select the one-call contact or press # on the main interface to enter the one-call number), select "Intercom Remote", press OK to start, and successfully display "Intercom remote success", failure display "intercom remote failure".

Reception: After receiving the radio remote command, it will send a remote prompt tone. After being remoted, press PTT to display "transmission failed to be remote". Can be activated by writing frequency or wake-up.

Note: This function can only work if the host computer has opened this function.

Host call host setting: Menu-Contacts-Intercom remote control

Called host setting: basic signaling-walkie-talkie remote decoding

6. DTMF

6.1 DTMF

Initiation: In analog mode, press and hold PTT and press the number keys on the panel to dial or press # on the main interface to enter the DTMF code word. Short press PTT to start the DTMF call.

Reception: When the host computer is configured with the current channel's receiving signaling system as DTMF, when the decoded code word is a DTMF personal ID code, the decoding is successful, and the other party can talk to the other party within the reset time. When the reset time is up, it needs to be decoded again. The decoded

codeword is a remote code or wake-up code.

6.2 PTTID

Initiation: In analog mode, you can configure the DTMF online and offline codes through the host computer. The analog channel enables the online and offline codes. Each time the PTT is pressed, the online code is issued.

7.Sacn

7.1 switch

- 1: The upper computer configures the current channel to enable automatic scanning, switch to this channel for automatic scanning
- 2: The upper computer configures the scan list of the current channel to be valid, and you can enter the menu scan to start the scan (there is no setting to enable scan in the menu)
- 3: Side button to set the scan switch to enable or disable scanning (cannot select double wait)

8. Menu configuration is optional.

When your machine does not want some menus, you can configure whether it is open through the upper computer menu items. The configuration items are as follows

- ◆ Basic (menu suspend time / message)
- ◆ Scan (scan switch / scan list)
- ◆ Contact (call prompt / edit / manual dialing / interphone detection / remote monitoring / interphone activation / interphone remote control / one-touch dialing)
- ◆ Settings (off-line / tone / power / backlight / power-on interface / keyboard lock / LED indicator / squelch / encryption / voice control / password lock / dual standby)
- ◆ Call Log (Missed Calls / Received Calls / Dialed Calls).

9. special function

Radio function:

Press the OK key to enter the menu, select the accessory and press OK to enter.

1. If the lower computer is not edited, it can also be stored manually. If the current channel is NULL, press OK to confirm, and then press the button: 1. Enter the channel: enter the channel programmed by the upper computer. 2. At this time, the frequency will display 108 . Please directly enter the desired frequency or press the * key to scan. After receiving the desired frequency, press OK to store it in the channel.
2. If potential storage, you can directly choose to enter the frequency point you want.

Question: What is the range that can be entered

Important Information



WARNING

Our TYT Electronics Co., Ltd. radio generators RF electromagnetic energy during transmit mode. This radio is designed for and classified as “Occupational Use Only”, meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways To Minimize Such hazards.

This radio is NOT intended for use by the “General Population” in an uncontrolled environment. This radio has been tested and complies with the FCC RF exposure limits for “Occupational Use Only”. In addition, our TYT Electronics Co., Ltd. radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

---IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

---American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

---American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields-RF and Microwave.



CAUTION

The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to assure that this radio operates with the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, TYT Electronics Co., Ltd. radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

Occupational/Controlled Use

The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Attention:

This radio complies with IEEE and ICNIRP exposure limits for occupational/controlled RF exposure environment at operating duty factors of up to 50% and is authorized by the FCC for occupational use only. An appropriate warning label is affixed to all units. In order to comply with RF exposure requirements, a minimum distance of 2.5cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original accessories (belt clip) a minimum distance of 0 cm. Do not use this device when antenna shows obvious damages.

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: POD-DMR6 to gain further information include SAR Values.

Use the two way radio in the environment with the temperature between -10°C ~ 40°C, otherwise, it may damage your two way radio. It can be operating under 2000m.

This EUT is compliance with SAR for controlled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with a minimum

distance of 2.5cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original accessories. Cet EUT est conforme aux normes SAR pour les limites d'exposition contrôlée de la norme IC RSS-102 et a été testé conformément aux méthodes et procédures de mesure spécifiées dans les normes IEEE 1528 et IEC 62209. Cet équipement doit être installé et utilisé à une distance minimale de 2,5 cm. être maintenu face à face, et les opérations portées sur le corps sont limitées aux accessoires d'origine approuvés.

Appendix B. – Technical Specifications

General Part

Frequency Range	136-174&400-470MHz (EU Professional version) 144-146&430-440MHz (EU Amateur version) 136-174&400-480MHz (USA Professional version) 138-174&400-470MHz (Canada Professional version)
Working temperature	-10°C to +40°C
Operation Voltage	DC 7.4 V ±10%
Antenna Impedance	50ohm
Duty cycle	5/5/90%

Transmitter Part

RF Output Power	≤5 W /1W
FM Modulation	11K0F3E@12.5KHz /(Only EU Version)16K0F3E@25KHz
4FSK Digital Mode	7K60FXD@12.5KHz (Data only) 7K60FXE@12.5KHz (Data +Voice)
Spurious Emission	-36dBm < 1GHz , -30dBm > 1GHz
Adjacent Channel Power	60dB @ 12.5KHz

Receiver Part

Receive Sensitivity	0.25μV (12dB SINAD)
Channel spacing	12.5KHz
Adjacent Channel Selectivity	≥55dB
Inter Modulation and Rejection	≥55dB
Conducted Spurious Emission	≤-57dB
Rated Audio Power Output	1W @16 ohms
Rated Audio Distortion	≤5%

NOTE: All specifications may be modified without prior notice or liability.