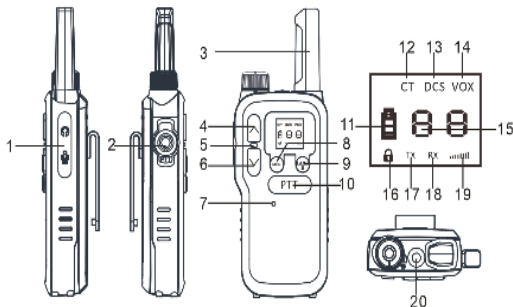


PMR Radio
T18 Series
USER'S MANUAL

Product Overview



1. Accessory Port

4. ▲ Up button

7. Microphone

10. PTT Button

13. DCS enabled

16. Keypad lock enabled

19. Transmit power indicator

2. PTT Button

5. LED Indicator

8. Monitor

11. Battery level indicator

14. VOX enabled

17. Radio is transmitting.

20. Flashlight

3. Antenne

6. ▼ Down button

9. Lock button

12. CTCSS enabled

15. Channel (1-22)

18. Radio is receiving.

Items in the Package

Item	Quantity (PCS)	Item	Quantity (PCS)
Radio	1	Charger	1
Battery	1	Power Adapter	1
Belt Clip	1	Lanyard	1
		Operation Manual	1

*Charger and power adapter are subject to the final configuration of the dealer. Please understand that the charging instructions in this manual may not be appropriate if Type-C charging method.

Display

Icon	Description
DCS	DCS enabled
CT	CTCSS enabled
	Keypad lock enabled
vox	VOX enabled
	Battery level indicator
TX	Radio is transmitting.
RX	Radio is receiving.

Before Use

Before initial use, fully charge the battery to ensure optimum performance.

To charge the battery, do as follows:

1. Insert the output connector of the power adapter into the port on the back of the charger.
2. Plug the power adapter into a power outlet.
3. Place the battery into the charger, and then switch the power outlet on.

To determine the charging status, check the light-emitting diode (LED) indicator on the charger according to the following table:

Indicator light	Charging status
Red light is always on	Charging
Green light is always on	Charging complete

Note :

You can also charge the radio with battery attached. It is recommended that your radio remain turned off during charging.

Operations

Power on/off and volume adjustment

Rotate the **Power/Volume** knob clockwise to turn the radio on.

Rotate the control clockwise /counter-clockwise to adjust the volume level as you prefer.

To turn the radio off, rotate the control counter-clockwise till hearing a mechanical “click”.

Changing the channel

Press the [Up] or [Down] buttons briefly to scroll through the channels one channel at a time. Press and hold the [UP] or [DOWN] button to quickly scroll through the channels.

Transmission

To communicate, all radios in your group must be set to the same channel.

Briefly press the **[MONI]** key to enable the Monitor feature in order to make sure that the frequency is not busy, then press the PTT key.

Release the PTT key to receive.

Only one user at a time can talk during radio communications. Therefore, it is important not to transmit when you are receiving a communication and use the transmission mode sparingly to allow other users to talk.

Transmission consumes a significant amount of energy and should therefore be used sparingly to prolong the battery life.

If you are unable to contact a station that you have no problems in receiving, the station may be using CTCSS tones or DCS codes.

Flashlight

With radio turned on, shortly press the [LAMP] button to turn on/off the flashlight at the top side of the radio.

Keypad Lock

To avoid accidentally changing the radio settings, press the [LAMP/LOCK] key for 2 seconds. The LOCK icon will appear on the display. PTT key will still be active. Repeat the same procedure to unlock the keypad.

Monitor

Regardless of any signal reception conditions set for this radio, the speakers can be forced on in this mode in order to listen for any sound on the channel. If there is no audio signal on the channel, listen to the background noise; if there is an audio signal, listen to the audio.

Operation: Press and hold the [Monitor] key to enter the monitor mode; release the [Monitor] key to exit the mode.

Scan

A listening method used in order to hear calls on all channels. Add a scan queue by turning on the scan function through the radio programming software. With the radio turned on, press and hold the [UP] and [DOWN] keys for ≥ 3 seconds to enter scan mode.

The radio scans one by one according to the channel numbers in the scan queue. While scanning, the green light blinks. When a channel receives a signal and the signaling type matches, the status indicator lights green. Press any key to exit scanning.

When the scanning feature is activated, the radio starts checking for calls on channels that can be scanned. When there is activity, it switches to this channel in order to answer the other party's call.

VOX

When the radio turns on the VOX function, when the microphone detects a voice that meets the transmit condition, the radio will automatically transmit the voice, and you can speak directly without holding down the [PTT] key.

Set the VOX on or off and the VOX gain level through the radio programming software.

Power Saving Mode

This function reduces power consumption.

In standby mode, if the radio has no transceiver and key operation (i.e., key and rotary switch operation), it will automatically go to sleep after a set period of time. If there is a key operation or a signal is received in the power saving mode, the radio will be activated immediately and exit the power saving state.

Busy Channel Lockout

This feature prevents interference with other radios on the same channel. If the [PTT] key is pressed when the channel is occupied, the radio will emit a continuous "beep" warning tone and return to receive mode. To stop the warning tone, release the [PTT] key.

Time-out Timer

This feature is used to prevent any caller from occupying the channel for too long, restricting the user from transmitting overtime and also avoiding the risk of damage to the radio due to prolonged transmissions. If the radio transmits continuously for longer than the time programmed by your dealer, the radio will automatically stop transmitting and a warning tone will sound. To stop the warning tone, release the [PTT] key.

The dealer can program a pre-warning alarm function to alert you before the transmit time is exceeded.

CTCSS/CDCSS

CTCSS/CDCSS signaling is mainly used to avoid listening to unrelated calls on the same channel. If CTCSS/CDCSS has been set, only calls with the same CTCSS/CDCSS signaling on the same channel can be heard within the effective communication range; if CTCSS/CDCSS has not been set, all calls on the same channel within the effective communication range can be heard. Even if CTCSS/CDCSS is set on this radio, other radios can still hear your calls if they have the same CTCSS/CDCSS set or if CTCSS/CDCSS is not set.

CTCSS/CDCSS encode and decode are set via radio programming software.

Battery recharge

Radio is equipped for using a 3,7V Li-ion rechargeable battery pack which can be recharged by connecting the USB cable to the radio and to a USB-charger (5V-1A). It takes 10 hours to fully recharge the radio.

For maximum battery life, we recommend charging the battery pack when the radio is off and the battery pack is fully discharged.

The Battery power saving feature enables a reduction in consumption of up to 50%. If it has been set, it automatically activates when the transceiver does not receive any signal for more than 5 seconds in order to save the battery life.

The Power saving function is activated by default and can be modified only by software.

IMPORTANT NOTICE

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

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 received. Including interference that may cause undesired operation.

NOTE: 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.

RF Exposure Statement

SAR tests are conducted using standard operating positions According FCC standard 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.

This model product has been tested and meets the RF exposure guidelines with the test distance 25 mm for face up condition. The highest SAR_{1g} value is 0.623W/Kg for face held and 1.590W/Kg for Body worn. 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.

This radio complies with RF exposure limits for general population/uncontrolled RF exposure environment at operating duty factors of up to 50%.

Disclaimer

The accuracy and completeness of the contents are sought in the process of compilation, but we do not bear any responsibility for the possible errors or omissions. With the continuous development of technology, we reserve the right to change the design and specification of the product without notice. No copy, modification, translation and dissemination of this handbook may be made in any form without the prior written authorization of our department.



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Print version: T18_PMR_V1