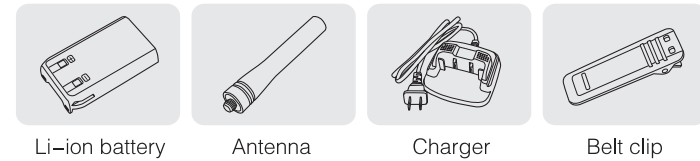
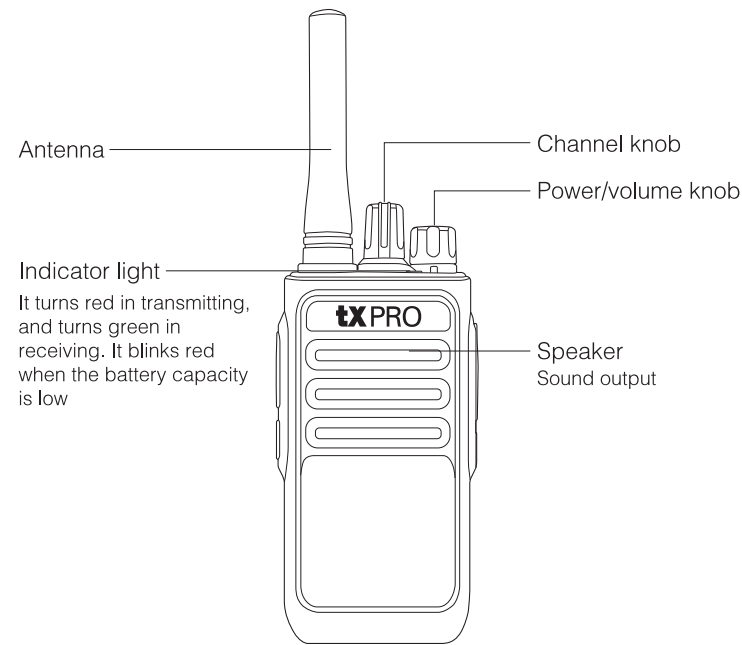




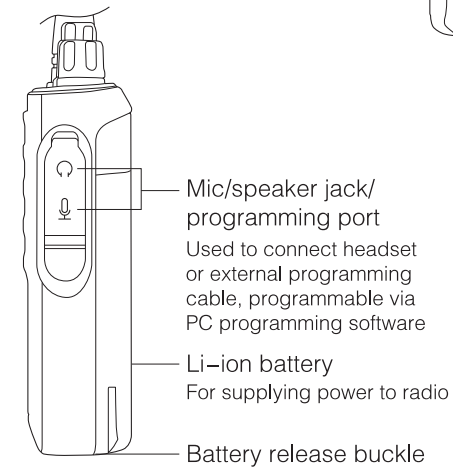
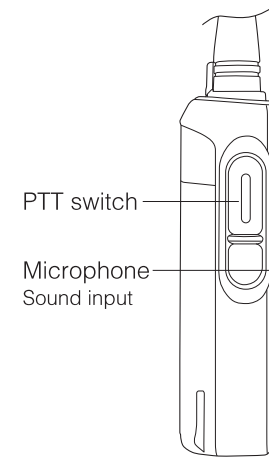
Supplied Accessories



GETTING FAMILIAR



Indicator light
It turns red in transmitting, and turns green in receiving. It blinks red when the battery capacity is low



BASIC OPERATION

1. Indicator

Indicator turns red when transmitting, and it turns green when receiving

2. Channel Knob

Rotate the knob to select the channel 1 to channel 16, counterclockwise rotate to decrease the value of channel name, clockwise rotate to increase the value of channel name

3. Power Knob/Volume Knob

Clockwise rotate to turn on the radio, and counterclockwise rotate to turn off the radio. Rotate the knob can adjust the volume.

4. PTT switch

Press PTT switch and then talk to the microphone, the indicator light turns red, if the channel does not have transmitting frequency, a “DU DU” tone sounds, and indicator light turns red.

Release PTT switch to receive, it lights green when there is signal.

5. Squelch level

The squelch level will determine the signal strength to open the speaker of the radio. If the squelch level is lower, the background noise of opening the radios speaker the radios speaker will be higher, and the corresponding communication range will be further, but the anti-interference capacity will be weaker.

The default setting of squelch level is 5, you can adjust it through the menu “Squelch level” of the “Optional Features” in the programming software. Level 0 to 9 can be selected. 0 is the lowest level.

6. TOT

The purpose of TOT is to prevent any radio from talking in one channel for a long time, and to prevent the transceiver from being damaged because if continuous transmission. If the transmitting time exceeds the TOT pre-set time, the radio will sounds “DU” and stops transmit, release the “PTT” key to back to receive status and stop sound “DU”

7. Scan

When the current channel is channel 16, the radio will automatically detect the 16 channels which defined as scan. When the channel which is scanned has signal, the radio will stop in the channel to communication

Notice:

- A. When the scannable channels is less than 2 channels, radio can't go to scan
- B. When the radio is stopping in the channel which has signal, after the signal disappears 10s, the radio will scan the next channel
- C. If radio do not want to scan, please choose the “No” in the “Scan Add” for every channel

8. English voice prompt

The voice prompt can be selected “English/None” through the programming software.

9. Battery save function

This function can be set by the software

Turn on this function can make the standby time more longer.

10. Low battery alert

The radio will alert you when the battery capacity reaches the minimum operating voltage.

11. Busy channel lock

You can turn in/off this function via software

- A. If the current channel does not have CTCSS/DCS, when there is signal, TC prohibited when you press PTT
- B. If the current channel does not have CTCSS/DCS, when there is signal which does not have CTCSS/DCS, TX prohibited when you press PTT.
- C. If the current channel does not have CTCSS/DCS, when there is signal which have CTCSS/DCS, the radio will transmit when you press PTT

12. Wide/narrow bandwidth select

The default is narrow band, you can not select the wide band or narrow band through the programming software

13. VOX

Speak to the microphone in normal voice to transmit, no need to press PTT key, turn VOX on /off through the software.

A: when VOX is on in your working channel.

Speak to the microphone directly, it will transmits automatically.

The radio stops transmitting when there is no voice, and waits for receiving

B. When a headset with a microphone is used

When VOX is on, you should VOX gain for the radio to identify voice volume.

If the microphone is too sensitive, the noise around radio will start transmitting

If the microphone is not sensitive, the radio can not collect your voice, please adjust VOX level well to guarantee smooth communications.

14. Scrambler

When the radio is allowed the scrambler function, and press the key, TX voice will be sent out with scrambler, other radio only received the signal when its scrambler also turns on

15. CTCSS/DCS

CTCSS and DCS is the sub-audio signaling, to prevent the radio from receiving unwanted signal in the same channel.

When the CTCSS/DCS is set, then within the communication range, you can only receive signals from the same channel with the same CTCSS/DCS setting. When the CTCSS/DCS is not set, you will get all the signal from the same channel within the communication range.

You can set the CTCSS/DCS through the menu “ENC” or “DEC” of the “Channel Setting” in the software.

16. Programming protect

You can add the programming password in the programming software, after you set the password, you need to input the password before programming.

SPECIFICATIONS

GENERAL

Channel: 16
Working voltage: 3.7VDC
Working temperature: -10°C ~ +50°C
Weight: 106g (including antenna and battery)
Dimension: 116x53x36mm

TRANSMITTER

Frequency range: 400-480Mhz
RF power: 2W
Modulation type: FM
Spurious radiation: ≤0.75 μV
Modulation noise: < -40dB
Modulation distortion: < 5%
Frequency stability: 5ppm
Max Fr. Deviation: ±5KHz
Current: ≤1200mA
Audio response: +6.5~-14dB
Adjacent Ch. Power: ≥65dB

RECEIVER

Frequency range: 400-480Mhz
Receiving sensitivity: ≤0.2 μV
Occupied bandwidth: ≤16KHz
Selectivity: ≥65dB
Inter mediation: ≥55dB
Audio power output: >500mW
Modulation distortion: ≤10%
Frequency stability: 5ppm
Current: standby 55mA, working 150Ma
Audio response: +7~-12.5dB

Warranty card

Note:

1.This warranty card is only applicable to two-way radio of the above-listed model and serial number.
2.The warranty card is an important document for the end-user to enjoy warranty service, please keep it well.
3.The warranty card shall be filled and chopped by the dealer, or it is invalid.

Customer's name: _____
Gender: _____
Add and postal code: _____
Customer's tel: _____
Model: _____
Serial number: _____
Purchasing date: _____
Purchasing date: _____
Invoice No.: _____
Dealer: _____
Stamp: _____
Add and pta code of the dealer: _____
Contact tel: _____
Handling people: _____

FCC STATEMENTS WARNING AND COMPLIANCE STATEMENT:

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.

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.

This device complies with RF radiation exposure limits set forth for an uncontrolled environment. Do not use this device when the antenna shows obvious damages. Hold this transmitter approximately 25 mm away from your face and speak normal with the antenna pointed up and away. Use the supplied belt clip for body-worn configuration as other accessories may not comply to the limits.

RF Exposure Statement

The radio generates 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 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.

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, The 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.

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.

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