

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.

SAFETY TRAINING INFORMATION



Your Quansheng 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, **Warning** 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, your Quansheng 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:

- FCC OET Bulletin 65 Edition 97-01 Supplement C, 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 Potential y Hazardous Electromagnetic Fields— RF and Microwave.

To ensure that your exposure to RF electromagnetic energy is within the FCC allowable limits for occupational use, always adhere to the following

CAUTION guidelines:



- **DO NOT** operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed FCC

RF exposure limits. A proper antenna is the antenna supplied with

this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio.

- **DO NOT** transmit for more than 50% of total radio use time (“50% duty cycle”).

Transmitting more than 50% of the time can cause FCC RF exposure compliance requirements to be exceeded. The radio is transmitting when the “TX indicator” lights red. You can cause the radio to transmit by pressing the “PTT” switch.

- **ALWAYS** use Quansheng authorized accessories (antennas, batteries, belt clips, speaker/mics, etc). Use of unauthorized accessories can cause the FCC RF exposure compliance requirements to be exceeded. Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and that provide at least 1.5 cm separation between the device, including its antenna, and the user's body. To provide the recipients of your transmission the best sound quality, hold the antenna at least 5 cm (2 inches) from mouth, and slightly off to one side. 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 within the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, your Quansheng 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.

FOREWORD

Thank you for purchasing the TG-UV transceiver.

READ ALL INSTRUCTIONS carefully and completely before using the transceiver.

SAVE THIS INSTRUCTION MANUAL—This instruction manual contains important operating instructions for the transceiver.

INSTALLATION NOTES

- Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and that provide at least 1.5 cm separation between the device, including its antenna, and the user's body
- If you wear a portable two-way radio on your body, ensure that the antenna is at least 2.5 centimeters (1 in.) from your body when transmitting.

IMPORTANT

RF CAUTION! NEVER hold the transceiver so that the antenna is very close to, or touching exposed parts of the body, especially the face or eyes, while transmitting. The transceiver will perform best if the microphone is 2 to 4 in. (5 to 10 cm) away from the lips and the transceiver is vertical.

RF **CAUTION! NEVER** operate the transceiver with a headset or other audio accessories at high volume levels.

RF **CAUTION! NEVER** short the terminals of the battery pack.

DO NOT push the PTT when not actually desiring to transmit.

AVOID using or placing the transceiver in direct sunlight or in areas with temperatures below +14°F (−10°C) or above +122°F (+50°C). The basic operations, transmission and reception of the transceiver, are guaranteed within the specified operating temperature range (depending on version). However, the LCD display may not be operate correctly, or show an indication in the case of long hours of operation, or after being placed in extremely cold areas.

DO NOT modify the transceiver for any reason.

KEEP the transceiver from the heavy rain, and **never** immerse it in the water. The transceiver construction is **water resistant**, not waterproof.

The use of non Quansheng battery packs/chargers may impair transceiver performance and invalidate the warranty.

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FCC INFORMATION

This device complies with Part 15 and Part 90 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.

FCC ID: XBPTG-UV

FOREWORD



SCOPE OF THIS MANUAL

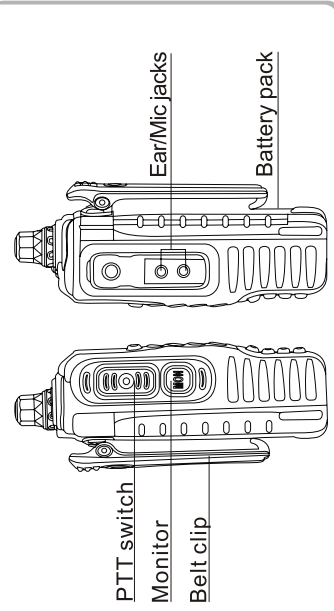
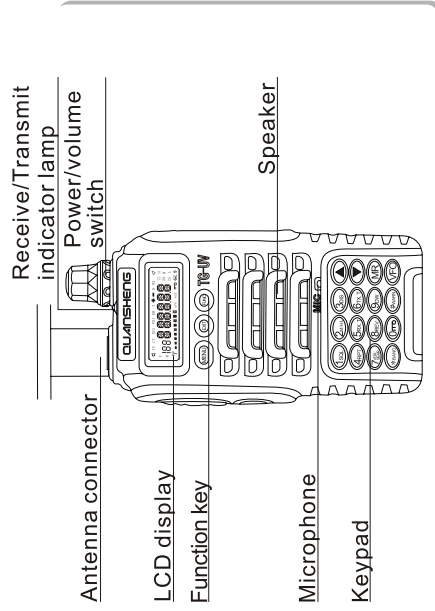
This manual is intended for use by experienced technicians familiar with similar types of commercial grade communications equipment. It contains all required service information for the equipment and is current as of publication data.

NOTE BEFORE USING

- Do NOT transmit until all RF connectors are verified secure and any open connectors are properly terminated.
- SHUT OFF and DO NOT operate this equipment near electrical blasting caps or in an explosive atmosphere.
- This equipment should be serviced by a qualified technician only.

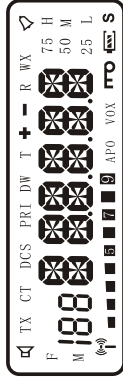


FUNCTION DESCRIPTION

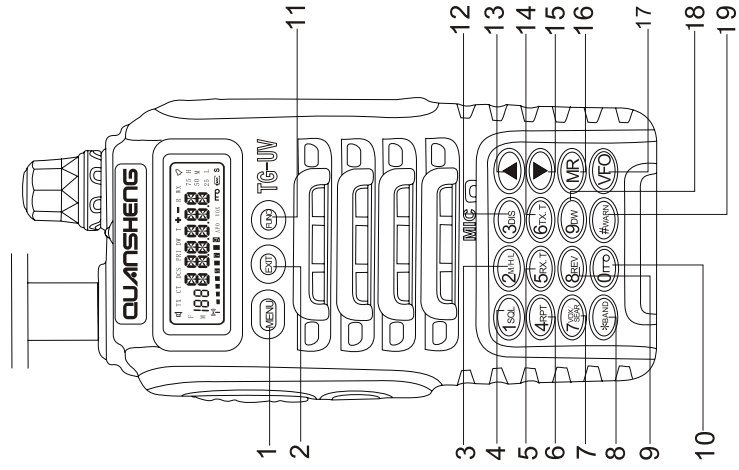




- On the LCD display, you can see various indicative symbol.
The following is the signification of the symbols.



	Function key
F	Signal indicator
	Keypad beep
	Battery capacity indicator
	Keypad lock
	Frequency display
H/M/L	Output power indicator
VOX	Vox
S	Scan
PRI	Priority scan
*188	Memory channel indicator
TX	Transmitting indication
CT	CTCSS
DCS	DCS
DW	Dual-watch operation
+ -	Repeater shift direction
R	Reverse frequency function
WX	Dual-watch channel operation
T	Priority scan channel





1. Menu/confirm
2. Exit
3. High/medium/low power adjust
4. Squelch adjust
5. CTCSS/DCS receive
6. Repeater shift direction
7. VOX search
8. Frequency band switch
9. Reverse frequency function
10. Keypad lock
11. Function key
12. Channel/frequency display
13. Up key
14. CTCSS/DCS transmit
15. Down key
16. [Channel mode
[Channel scan
17. [Frequency mode
[Frequency scan
18. Dual-watch operation
19. Emergency alarm



BASIC OPERATIONS

- Switch the Power/Volume clockwise to turn the power on.
When you turn it on, it will beep and the channel will display on the LCD, the LCD backlight shows.
- Switch power volume controller counter-clockwise to turn off the radio's power supply.



P-1



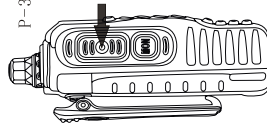
P-2

PS : Pressing and hold the Monitor, then rotating the power/volume switch to turn up or down the radio.





- To make a call, press and hold the "PTT switch", then speak into the microphone in normal speaking voices.

PS : Hold the microphone approximately 1.5 inches (3-4cm) from your lips.

- Release "PTT" to receive signals.



P-3

- ▶ Press key "FUNC" + "ISQL", set the squelch level, press key "▲" or "▼" to choose it from 0~9, press "MENU" to confirm and save.
LCD display as picture: 
- ▶ Press key "FUNC" + "2MODE", set the High/Medium/Low power, operation repeat, choose it from H/M/L (LCD display)
LCD display as picture: 
- ▶ Press key "MR" into channel mode, then press key "FUNC" + "3DIS" to switch the channel mode and channel+frequency mode. . .
LCD display as picture:
01: channel number
02: frequency band
00: memory channels


- ▶ Press key "FUNC" + "4REP", set repeater shift direction, operation repeat, choose it from OFF/+/-, press "MENU" to confirm and save.
- ▶ Press key "FUNC" + "5PRC", set CTCSS/DCS receive, show "rc OFF", press "BRAND" change the CTCSS/DCS mode:
rc OFF: no CTCSS/DCS
rc CT: CTCSS
rc N(I) : DCS
press key "▲" or "▼" to choose CTCSS code or DCS code, and then press "MENU" to save.