⫰HQT

Specifications

General

Frequency Range	VHF: 136-174MHz UHF: 400-470MHz; 350-390MHz U/V: 136-174MHz/400-470MHz
Channel Capacity	16(15+S)
Channel Spacing	25.0kHz /12.5kHz
Frequency Stability	±2.5ppm
Operating Temperature	–25℃~+55℃
Antenna Impedance	50Ω
Operating Voltage	7.5V
Dimensions (H×W×D)	105×60×35mm
Weight (With Antenna & Battery)	225g
Battery	1600mAh

Receiver

Sensitivity	0.20μV(25kHz)/0.22μV(12.5kHz)
Adjacent Channel Selectivity	60dB @ 12.5kHz / 70dB @ 25kHz
Intermodulation Rejection	65dB
Spurious Response Rejection	70dB
S/N	40dB @ 12.5kHz / 45dB @ 25kHz
Rated Audio Power Output	700mW
Rated Audio Distortion	≤5%

Transmitter

RF Power（H/L）	UHF High Power:4W / Low Power:1W VHF High Power:5W / Low Power:1W
Modulation Type	16KΦF3E / 8KΦF3E
Modulation Limiting	≤2.5kHz@12.5kHz/≤5kHz@25kHz
FM Distortion	≤5%
Residual FM	40dB@12. 5kHz/45dB@25kHz
Adjacent Channel Power	-60dB
Spurious and Harmonics	≤-36dBm(<1GHz)/-30dBm(>1GHz)

All specifications are tested according to applicable standards and subject to changes without notice due to continuous development.

TH-2800

HQT

MID-END PRODUCTS

HQT Analog Series

TH-2800

- VOX
- TOT
- Scan
- Alarm
- Monitor
- Squelch Level
- Tail Reversal
- Wide/Narrow Band
- High/Low Power
- Voice Prompt
- Wired Clone
- Squelch Level
- Battery Save
- DTMF/PTT ID
- CTCSS/CDCSS
- Power-on Tone
- Electricity Demand
- Electricity Check
- Busy Channel Lockout

Main Features

- **Voice Prompts**

  This function is designed for users working in dark environment, it enables radio to report current channel when the corresponding function key is pressed.

- **Monitor**

  This feature enables user to hear weak signals. User can adjust volume by pressing MONI key when no signals are received.

- **Battery Power Indication**

  The radio will report current battery power when the corresponding function key is pressed. It also reminds users to replace or charge the battery if the battery power is low.

- **VOX**

  Hands-free operation is available when VOX function is turned ON.

- **PTT ID Encode (DTMF)**

  TH-2800 provides identification of radio to control center or partners through this function. It simplifies the way of communication and management.

- **Squelch Tail Elimination**

  The function will minimize the annoying audio outputs that occur at the receiver during a transmission.

- **Scan**

  This feature enables radio to scan every channel in scanning list when user presses corresponding function key to activate scanning. The user can detect the available channel of partners, and then start communicating.

- **Busy Channel Lockout (BCL)**

  BCL is used to protect the on-going conversation from unwanted interference. Users might also be blocked sometimes.

- **CTCSS/CDCSS**

  CTCSS/CDCSS encode and decode are useful to avoid unwanted conversation on the same channel.

Accessory List

Standard Accessories					
Antenna	Battery	Charge Adapter	Desktop Charger	Belt Clip	Hand Strap
Optional Accessories					
Earphone	Remote Microphone		Programming Cable		Leather Case

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