



Specifications

General

Frequency Range	VHF: 136~174MHz UHF: 400-470MHz;450-520MHz
Channel Capacity	1024(64 Zones×16 Channels)
Channel Spacing	25kHz/12.5kHz
Frequency Stability	±1.5ppm
Operating Temperature	-25℃~+55℃
Antenna Impedance	50 Ω
Operating Voltage	7.5V
Dimensions (H×W×D)	105×60×35mm
Weight (With Antenna & Battery)	225g
Battery	1600mAh

Receiver

Sensitivity	Analog SINAD: 0.22μV/ Digital 5%BER: 0.22μV
Adjacent Channel Selectivity	60dB@12.5kHz/70dB@25kHz
Intermodulation	65dB
Spurious Response Rejection	70dB
Hum and Noise	-40dB@12.5kHz/-45dB@25kHz
Conducted Spurious Emission	≤-57dBm
Audio Response	+1~-3dB
Audio Power	0.6W

Transmitter

RF Power	UHF High Power:4W / Low Power:1W VHF High Power:5W / Low Power:1W
Modulation Limiting	≤2.5kHz@12.5kHz/≤5.0kHz@25kHz
Conducted/Radiated Emission	≤-36dBm(<1GHz)/-30dBm(>1GHz)
Adjacent Channel Power	60dB@12.5kHz/70dB@25kHz
Audio Response	+1~-3dB
Audio Distortion	≤3%
Frequency Stability	±1.5ppm
FM Modulation	25kHz:16KΦF3E / 12.5kHz:11KΦF3E
4FSK Digital Modulation	12.5kHz Data: 7K60F1D and 7K60FXD 12.5kHz Voice: 7K60F1E and 7K60FXE 12.5kHz Voice & Data: 7K60F1W
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSI TS 102 361-1,-2,-3

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



DH-2800



HQT Digital Series DH-2800



- VOX
- Voice Prompts
- Channel Scan
- Emergency Alarm
- Programmable Keys
- TOT (Time Out Timer)
- 1600mAh Capacity
- Upgradeable Software
- Dual Modes (Analog + Digital)
- Signaling: DTMF Encode, QT/DQT
- Voice Call Types: Private Call, Group Call and All Call
- Radio Disable, Radio Enable, One Touch Call, Remote Monitor

Main Features

• High Cost Performance

HQT DH-2800 is a professional digital portable radio which is reliable and safe. Its ergonomic design makes it easy to carry and hide.

• Dual Modes (Analog + Digital)

DH-2800 can operate in either analog or digital mode. It is compatible with the prevalent analog system, ensuring a smooth analog-to-digital transition.

• Maximum Efficiency

DH-2800 adopts TDMA technology which ensures high-efficient frequency coverage and control mode of RF power, and its battery life is 40% longer when it is operated in digital mode than that in analog mode.

• Better and Clearer Communication

DH-2800 adopts digital technologies which effectively control background noise and squelch during voice transmission, so that it can transmit clear and desired voice.

• Secure Communication

DH-2800 can control the selection of RX contact or RX group of voice in digital mode. Every DH-2800 has a unique ID, which enables users to do one-to-one conversation which will not be received by others. Besides, it supports digital voice encryption in digital mode.

Accessory List

Standard Accessories

Antenna	Battery	Charge Adapter	Desktop Charger	Belt Clip	Hand Strap
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Optional Accessories

Earphone	Remote Microphone	Programming Cable	Clone Cable
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