

Classic and Cost-effective

New Generation of Business Radio



MODEL DH460 🔍

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Classic Design

Light dual-color fashion body, high-quality off-belt clip, classic knob layout, easy to operate.



Loud and Clear Voice

2W high-power speaker, combined with optimized sound cavity and MIC noise-reduction algorithm, can make loud and clear sound with maximum efficiency, ensuring clear communication in noisy environments.



Real-time Clock

Built-in clock module, the time will not reset during battery replacement.



Long Battery Life

Based on digital power-saving technology, the radio can last for 18 hours in the analog mode and 25 hours in the digital mode (5.5:50 traffic mode), fully meet the continuous working requirements of the front-line users.



Digital and Analog compatibility

Support digital/analog mode, provide rich services such as short message, roaming, scan/review, radio check, to help users work more efficiently.



Longer Communication Distance

Carefully optimize RF design, offer high-gain, high-sensitivity antenna, combined with integrally formed metal antenna, it provides longer distance communication.



2500mAh





Ruggedized Design

With 15pin waterproof wireless data interface, the whole equipment reaches IP65 protection level.



Safe and Reliable

Labor worker and SOS alarm make user operation safer; built-in voice encryption protects user call information.



Accessories



Antenna



Belt Clip



2500mAh Li-ion Battery



Desktop Charger



Power Adapter



Programming Cable



8-way Charger



C-Style Earpiece



Transparent Tube Earpiece

Specification

General		Receiver	
Frequency	UHF1: 400-470MHz UHF3: 300-350MHz VHF: 136-174MHz	Sensitivity (Analog)	0.16uV(12dB SINAD)
Channel Capacity	512	Sensitivity (Digital)	0.16uV (5% BER)
Zone Capacity	32		60dB@12.5KHz/70 dB@20/25KHz (TIA603A) -1T
Channel Spacing	12.5kHz/20KHz/25KHz	Adjacent Channel Selectivity	45dB@12.5KHz /70 dB@20/25KHz (TIA603D) -2T 60dB@12.5KHz /70 dB@20/25KHz (ETSI)
Frequency Stability	±0.5ppm		70dB (TIA603D)
Operating Voltage	7.4V	Intermodulation	65dB (ETSI)
Battery Capacity	2500mAh		70dB (TIA603D)
Battery Life	Analog: 18 Hours Digital: 25 Hours (5:5:90 working cycle, high power transmission)	Spurious Rejection	70 dB (ETSI)
Dimension (HxWxD)	116.5x55x36.5mm (with 2500mAh battery, without antenna)	Blocking	80dB(TIA603D) 84dB(ETSI)
Weight	About 285g (with 2500mAh battery and antenna)	Co-channel Rejection	-12~0 dB @12.5KHz/-8~0 dB @20/25KHz
Screen	1.75-inch LCD, 160×128, 4 lines text	Hum and Noise	-40dB@12.5KHz /-43 dB@20KHz /-45 dB@25KHz
Vocoder	AMBE++	Rated Audio Power	0.5W
Layout	Top: volume/switch knob x1, channel knob x1, SOS key x1 Side: PTT key x1, programmable key x2, Front: 6-key function keypad, programmable key x3	Max Audio Power	2.0W
External Interface	18pin waterproof interface, support audio/programming	Rated Audio Distortion	≤3% (typical value)
Belt Clip Type	Off_belt quick release	Audio Response	+1~-3dB (TIA603D)
Real-time Clock	Support	Conducted Spurious Emission	-57dBm (TIA603D)
Roaming	Support	Environmental	
Encryption	Support 40/128/256bit basic private encryption	Operating Temperature	-30°C ~ +60°C
Transmitter		Storage Temperature	-40°C ~ +85°C
RF Power Output (Low)	1 W	ESD	IEC 61000-4-2 (level 4) ±8kV (Contact) ±15kV (Air)
RF Power Output (High)	4W (UHF1)	Dust and Water Resistance	IP65
FM Modulation	12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD	Reliability	MIL-STD-810G
4FSK Digital Modulation	12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W		
Conducted Radiated Emission	-36dBm ≤1GHz ; -30dBm >1GHz		
Modulation Limiting	±2.5KHz @12.5KHz /±4KHz @20KHz /±5.0KHz @25KHz		
FM Hum and Noise	-40 dB@12.5KHz /-43dB@20KHz / 45 dB@25KHz		
Adjacent Channel Power	60 dB@12.5KHz /70 dB @20/25KHz		
Audio Distortion	≤3% (typical value)		
Audio Response	+1~-3dB(TIA603D)		



www.caltta.com sales@caltta.com
12F/Building G2, International E-City, Nanshan,
Shenzhen, China, 518052



General Disclaimer:
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