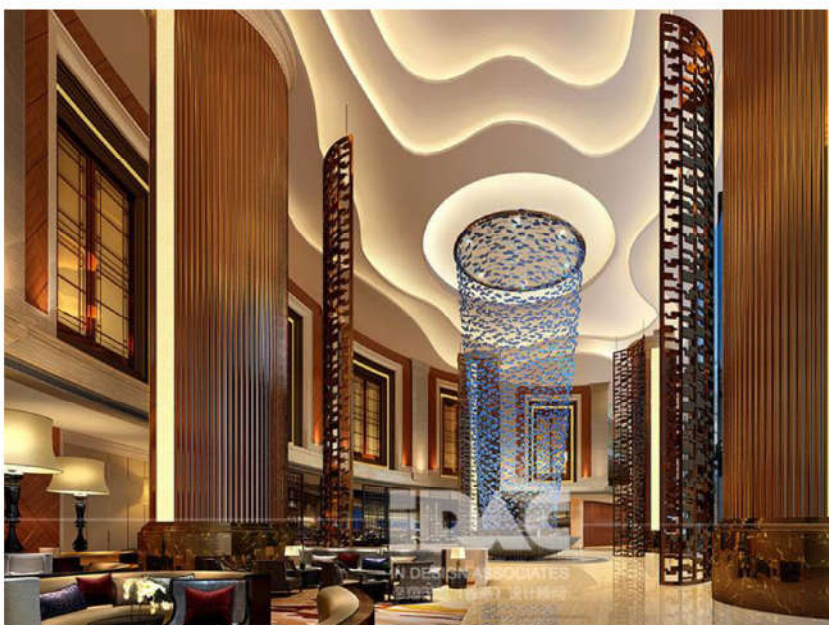


## Rugged-Reliable Two-way Radio



## Reliable&Durable Digital Mobile Radio (DMR/TDMA)

- OLED Display
- Support SMS
- Dual Modes(Analog&Digital)1024CH
- Digital Voice Encryption
- Remote Kill/Activation/Detection



# SD850

## Handheld Two-way Radio

<http://www.sfecom.cn>

### Main Features

- Zone Select
- Scan between Digital&Analog
- Emergency Alert
- High/Low Power Output
- TOT(Time Out Timer)
- Auto Battery Save
- BCL(Busy Channel Lockout)
- Side Key Assignment Programmable
- VOX Programmable (10 Levels Selective)
- Talk Around
- Voice Prompt
- PC Programming

### Main Features(Digital)

- Individual Call, Group Call, All Call
- Digital Voice Encryption
- Remote Kill/Activation/Detection/Monitor
- 2 Time Slot

### Main Features(Analog)

- CTCSS/DCS Code

### Accessories



### General

Frequency Range	VHF136-174MHz UHF400-470MHz(Customized)
Channel Capacity	1024Channels (16channels*64groups)
Operation Voltage	7.4V DC ± 10%
Channel Spacing	Analog: 25KHz/12.5KHz Digital: 12.5KHz
Antenna Impedance	50 Ω
Battery Capacity	1650mAh/2200mAh(Li-ion Battery)optional
Battery Life (5-5-90 Duty Cycle)	Analog:15Hours Digital:20Hours
Operating Temperature	(-)30°C - +60°C
Frequency Stability	± 0.5ppm
Dimension(W*H*D)(Projections excluded)	52*33*102mm
Weight(Antenna & Battery Included)	250g

### Transmitter (ETSI EN 300 086 Testing Standard)

Bandwidth	12.5KHz
RF Power Output(High/Low)	VHF:5W/1W UHF:4W/1W
Modulation(4FSK)	7K60FXD (Data Only);7K60FXW(Data & Voice)
Spurious Emission	(-) 36dB< 1GHz, (-) 30dB< 1GHz,
Adjacent Channel Power	≥65dB
Hum & Noise	≥45dB
Audio Response	(+)1~-3dB(0.3~3KHz)
Digital Vocorder	AMBE +2™
Modulation Distortion	Less than 3%
Frequency Stability	(+/-)0.5ppm
Digital Protocol	ETSI-TS102 361-1,-2,-3
Modulation Limited	±2.5@12.5KHz;±5.0@25KHz;

### Receiver (ETSI EN 300 086 Testing Standard)

Sensitivity(12dB SINAD)	Analog: 5% BER: 0.20 V Digital: 5% BER: 0.25 V
Adjacent Channel Selectivity	≥55dB
Intermodulation	≥55dB
Spurious Response Rejection	≥55dB
Audio Response	(+)1~-3dB(0.3~3KHz)
Hum & Noise	≥40dB
Audio Distortion	≤3%
Audio Output	750mW with less than 5% distortion

Above specifications are tested according to TIA/EIA-603.  
Above specifications are subject to change without any notice due to technology enhancement.

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