



S870PLUS

Rugged-Reliable Two-way Radio



Heavy-Duty Powerful Walkie Talkie

- Powerful Output: 10W
- Powerful Audio and Wide Communication Range
- Waterproof & Dustproof IP66(Optional)
- Compact and Tough Mechanical Design
- Used for Harsh, Noisy and Dusty Working Conditions



S870PLUS

Handheld Two-way Radio

<http://www.sfecom.cn>

Main Features

- 16 Channels
- Powerful Output: 10W
- CTCSS/DCS Encode & Decode
- Side Key Assignment Programmable
- Priority Scan Mode
- Wide/Narrow Bandwidth
25KHz/12.5KHz(Selective)
- VOX Programmable(10 Levels Selective)
- Powerful Audio Output 1W
- Auto Battery Save
- Emergency Alarm
- TOT(Time Out Timer)
- Squelch Tail Elimination

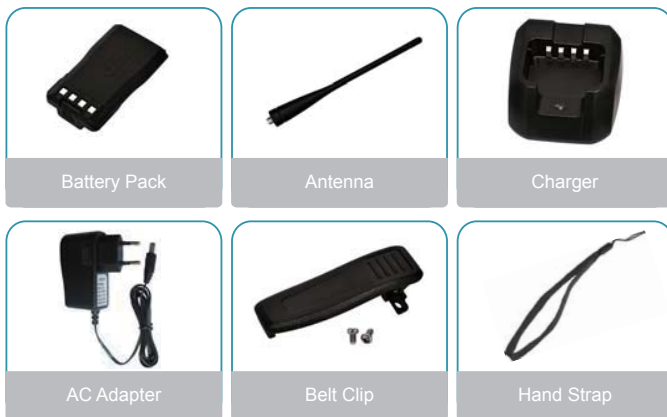
General

Frequency Range:	VHF 136-174MHz / UHF 400-470MHz
Channel Capacity	16 Channels
Operation Voltage	7.2V DC \pm 10%
Channel Spacing	25KHz(Wide)/12.5KHz(Narrow)
Antenna Impedance	50 Ω
Battery Capacity	2000mAh/2600mAh(Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	Around 20/25hours
Operating Temperature	-30°C - +60°C
Frequency Stability	\pm 2.5ppm
Dimension(W*H*D)(Projections excluded)	53*28*116mm
Weight(Antenna & Battery Included)	262g

Transmitter (ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
RF Power Output(High/Low)	10W	
Modulation	16K Φ F3E	11K Φ F3E
Spurious Emission	\geq 36dB	\geq 36dB
Adjacent Channel Power	\geq 70dB	\geq 60dB
Hum & Noise	\geq 40dB	\geq 36dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Modulation Limiting	\pm 5.0KHz \pm 2.5KHz	\pm 2.5KHz
Modulation Distortion	Less than 5%	
Frequency Stability	+/-5ppm	

Accessories



Receiver (ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
Sensitivity(12dB SINAD)	\leq 0.25 μ V	\leq 0.35 μ V
Adjacent Channel Selectivity	\geq 70dB	\geq 60dB
Intermodulation	\geq 65	\geq 60dB
Spurious Response Rejection	\geq 70dB	\geq 70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Hum & Noise	\geq 45dB	\geq 36dB
Audio Distortion	\leq 5%	
Audio Output	1W with less than 10% 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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