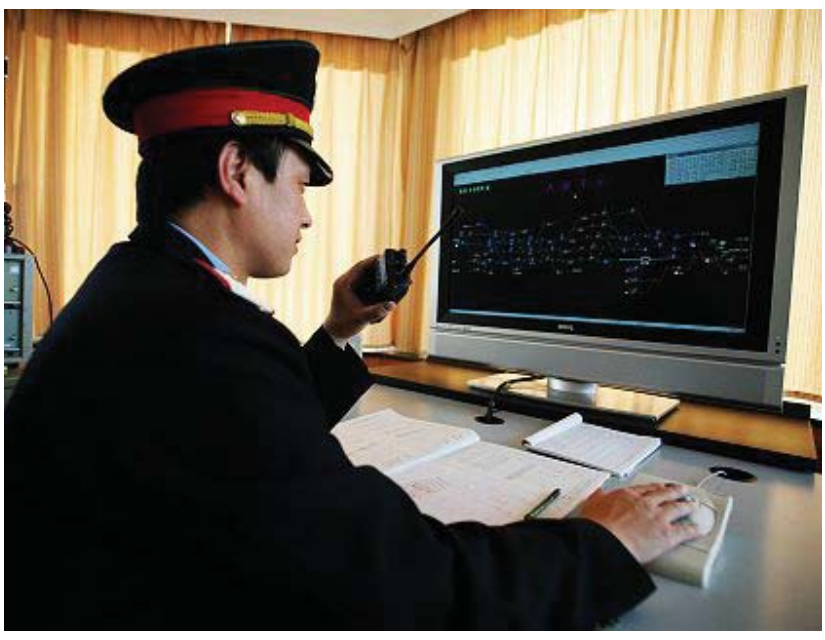
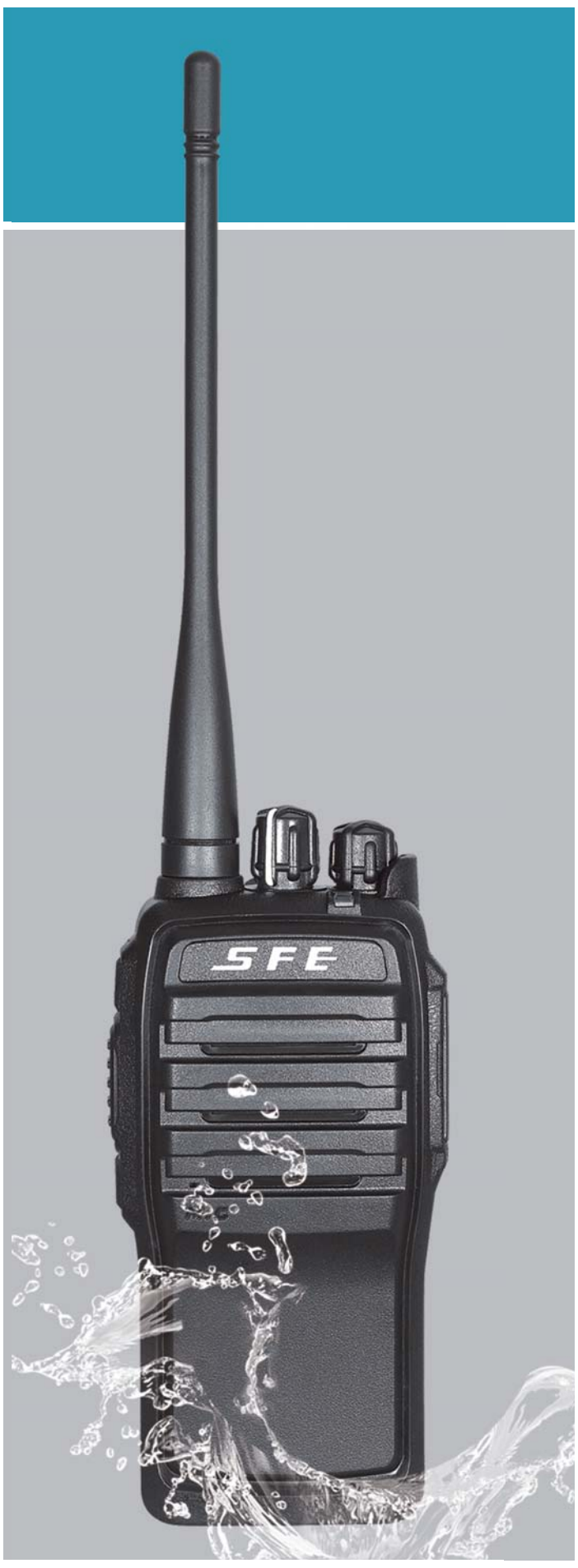
# S890PLUS

## Rugged-Reliable Two-way Radio






## Dual PTT Buttons & Dual Channels Standby

- Powerful Output: 5W/7W(Optional)
- Powerful Audio and Wide Communication Range
- Dust/Water Protection Class IP66(Optional)
- Compact and Tough Mechanical Design
- Used for Harsh, Noisy and Dusty Working Conditions

# S890PLUS

## Handheld Two-way Radio

http://www.sfecom.cn

## Main Features

- 16 Channels
- Powerful Output: 5W/7W
- CTCSS/DCS Encode & Decode
- Dual PTT Buttons & Dual Channels Standby
- 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)

## Accessories


Battery Pack


Antenna


Charger


AC Adapter


Belt Clip


Hand Strap

## General

| | |
|---|---|
| Frequency Range: | UHF:136-174MHz/400-470MHz/350-390MHz |
| Channel Capacity | 16 Channels |
| Operation Voltage | 7.4V DC ± 10% |
| Channel Spacing | 25KHz(Wide)/12.5KHz(Narrow) |
| Antenna Impedance | 50 Ω |
| Battery Capacity | 1500mAH/2000mAH(Li-Ion Battery) |
| Battery Life (5-5-90 Duty Cycle) | Around 15/20hours |
| Operating Temperature | -30°C - +60°C |
| Frequency Stability | ± 2.5ppm |
| Dimension(W*H*D)(Projections excluded) | 53*28*116mm |
| Weight(Antenna & Battery Included) | 216g |

## Transmitter (ETSI EN 300 086 Testing Standard)

| Bandwidth | Wide Band 25KHz | Narrow Band 12.5KHz |
|---|---|---|
| RF Power Output(High/Low) | 7W/5W | |
| Modulation | 16KΦF3E | 11KΦF3E |
| Spurious Emission | ≥ 36dB | ≥ 36dB |
| Adjacent Channel Power | ≥ 70dB | ≥ 60dB |
| Hum & Noise | ≥ 40dB | ≥ 36dB |
| Audio Response | +1~-3dB(0.3~3KHz) | +1~-3dB(0.3~2.25KHz) |
| Modulation Limiting | ±5.0KHz ±2.5KHz | ±2.5KHz |
| Modulation Distortion | Less than 5% | |
| Frequency Stability | +/-5ppm | |

## Receiver (ETSI EN 300 086 Testing Standard)

| Bandwidth | Wide Band 25KHz | Narrow Band 12.5KHz |
|---|---|---|
| Sensitivity(12dB SINAD) | ≤ 0.25μV | ≤ 0.35μV |
| Adjacent Channel Selectivity | ≥ 70dB | ≥ 60dB |
| Intermodulation | ≥ 65 | ≥ 60dB |
| Spurious Response Rejection | ≥ 70dB | ≥ 70dB |
| Audio Response | +1~-3dB(0.3~3KHz) | +1~-3dB(0.3~2.25KHz) |
| Hum & Noise | ≥ 45dB | ≥ 36dB |
| Audio Distortion | ≤ 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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