

# SERVICELL

## WIRELESS TECHNOLOGIES, INC.

### S880:

1. Rainproof, dustproof and shockproof
2. 16 channels
3. PC programming
4. Output power: 5W/1W
5. 50 groups CTCSS, 136 group DCS
6. High/Mid/Low power selectable
7. VOX function
8. Wide/narrow bandwidth selectable(25KHz/12.5KHz)
9. Wireclone function
10. Voice guide
11. High capacity lithium battery
12. Channel steps(5K/6.25K/10K/12.5K/25K)
13. Frequency range: 136-174MHz/220-250MHz/350-390MHz/400-470MHz



| S880 Index                      |  |                                |  |
|---------------------------------|--|--------------------------------|--|
| Normal specifications           |  |                                |  |
| Frequency range                 | 136-174MHz 220-250MHz 350-390MHz 400-470MHz                              |                                |  |
| Channel Capacity                | 16 CH  |                                |  |
| Channel spacing                 | 25 / 12.5 KHZ  |                                |  |
| Frequency step                  | 5 , 6.25KHZ  |                                |  |
| Filter for first mid-frequency  | 21.4MHZ  |                                |  |
| Filter for second mid-frequency | 455KHZ   |                                |  |
| Operating voltage               | DC:7.2V  |                                |  |
| Battery                         | S-880 lithium ion battery ( 1300MAH about 12 hours according to 5-5-90 ) |                                |  |
| Operating temperature           | -30 ℃ To + 60 ℃  |                                |  |
| Frequency stability             | ± 2.5ppm   |                                |  |
| Antenna impedance               | 50 Ω   |                                |  |
| Dimension                       | 54 X 31 X 116mm (exclude antenna)  |                                |  |
| Weight                          | 250g (include battery and antenna)                                       |                                |  |
| Transmitter                     |  | Receiver                       |  |
| Frequency error                 | ≅ 5 X 10 <sup>-6</sup>   | reference sensitivity          | ≅ 0.25uV( SINAD , 12dB)                                      |
| RF power output                 | ≅ 5W   | Common-channel restraint       | ≅ -8dB   |
| Modulation limit                | ≅ 5KHz   | Adjacent-channel selectivity   | ≅ 55dB   |
| Adjacent channel power          | ≅ 65dB   | Spurious response interference | ≅ 55dB   |
| Spurious RF sponderance         | ≅ 7.5 μ W  | Intermodulation interference   | ≅ 55dB   |
| Modulation characteristic       | Pre-emphasis of each frequency-interval is 6dB (300Hz-3000Hz)            | Audio response                 | De-emphasis of each frequency-interval is 6dB (300Hz-3000Hz) |
| Used bandwidth                  | ≅ 16 KHz   | Jam-up                         | ≅ 65dB   |
| Audio distortion                | ≅ 5%   | Audio distortion               | ≅ 5%   |