

# CP-480 PORTABLE TWO-WAY RADIO

**BUILT TOUGH TO  
DO BUSINESS BETTER.**

## FEATURE HIGHLIGHTS

- IP55 rating splash and dust proof
- 1800mAh Li-ion battery and life up to 48 hours
- Ultra-crystal and clear audio
- 16 programmable channels
- 50 CTCSS tones & 210 DCS codes in TX and RX
- High/low output power selectable
- Built-in VOX for hands-free communications
- Voice prompt
- Channels scan
- Emergency alarm
- Lone worker
- PC programmable



**RUGGED, HEAVY-DUTY AND DURABLE  
OUTLAST HARSH CONDITIONS AND HARD USE  
EXCEPTIONALLY CLEAR AUDIO**

## SPECIFICATIONS

### General

|                                            |                                 |                 |
|--------------------------------------------|---------------------------------|-----------------|
| Frequency                                  | VHF: 136-174MHz                 | UHF: 400-480MHz |
| Channel capacity                           | 16 channels                     |                 |
| Power supply                               | 7.4V DC                         |                 |
| Dimensions (without belt clip and antenna) | 113mm (H) x 55mm (W) x 35mm (D) |                 |
| Weight (with battery and antenna)          | 242g                            |                 |

### Transmitter

|                                                          |                              |         |
|----------------------------------------------------------|------------------------------|---------|
| RF Power                                                 | 1W / 5W                      | 1W / 4W |
| Channel spacing                                          | 12.5 / 25kHz                 |         |
| Frequency Stability (-30°C to +60°C)                     | ±1.5ppm                      |         |
| Modulation Deviation                                     | ≤ 2.5kHz / ≤ 5kHz            |         |
| Spurious & Harmonics                                     | -36dBm < 1GHz, -30dBm > 1GHz |         |
| FM Hum & Noise                                           | -40dB / -45dB                |         |
| Adjacent Channel Power                                   | ≥ 60dB / 70dB                |         |
| Audio Frequency Response<br>(Preemphasis, 300 to 3000Hz) | +1 ~ -3dB                    |         |
| Audio Distortion<br>@1000Hz, 60% Rated Max. Dev.         | < 5%                         |         |

### Receiver

|                                |                     |
|--------------------------------|---------------------|
| Sensitivity (12 dB SINAD)      | ≤ 0.25μV / ≤ 0.35μV |
| Adjacent Channel Selectivity   | - 60dB / -70dB      |
| Audio Distortion               | < 5%                |
| Radiated Spurious Emissions    | -54dBm              |
| Intermodulation Rejection      | -70dB               |
| Audio Output @ < 5% Distortion | 1W                  |

## STANDARD ACCESSORIES



LB-18



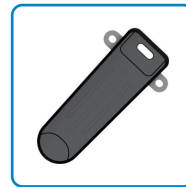
AC Adapter



Desktop Charger



ANT-480



BC-18



Hand Strap

MADE IN CHINA

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**SAMCOM**  
**TWO-WAY RADIO**

