

# CP-420 PORTABLE TWO-WAY RADIO

**INCREASE BUSINESS  
PRODUCTIVITY MORE.**

## FEATURE HIGHLIGHTS

- IP54 rating splash and dust proof
- Crisp and clear audio
- 1800mAh Li-ion battery and life up to 48 hours
- 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
- PTT ID / DTMF-ANI
- Emergency alarm
- Lone worker
- PC programmable



**COMPACT, LIGHTWEIGHT 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)	98mm (H) x 55mm (W) x 30mm (D)	
Weight (with battery and antenna)	210g	

### 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 (Preemphasis, 300 to 3000Hz)	+1 ~ -3dB	
Audio Distortion @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-420



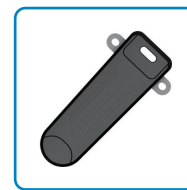
AC Adapter



Desktop Charger



ANT-669



BC-18



Hand Strap

MADE IN CHINA

## Welcome the cooperation for OEM and ODM !

With the advantage of strong R&D, design force and rich experience in OEM/ODM service, we can better meet the specific demand of partners and help them increase their brand value and competitive advantage.

For more information about our products, please contact us:

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

