



# iTALK220

## PTT Portable Radio

Global PTT service via 2G/3G network  
Cost-effective professional trunked features  
Easy-to-deploy & Easy-to-expand network  
Large coverage & less limit in capacity  
IP65 with professional appearance



# iTALK220 Portable Radio

## KEY FEATURES AND BENEFITS

### • Global PTT service

Users can use PTT service globally via public operator's existing mature 2G/3G network.

### • 3G / GSM (GPRS) / WIFI transmission

It provides flexible ways of using PTT service under various radio environments, if WIFI is on, WIFI will be the first choice for transmission; if WIFI is off, then 3G comes first.

### • NFC (optional) / Bluetooth

NFC and Bluetooth function modules bring more possibilities for extended use, like guard patrol options.

### • GPS

### • Remote programming over the air via public radio network enables lower customer maintenance cost

Users can modify the setting for the two-way radio through web-based management platform or App in smart phone, then the modified parameters will be sent to radio via 2G/3G network automatically.

### • Remain user operation habits of critical communication

With supporting basic functions of professional two-way radio, like voice services (all call / group call / private call / alert call etc); Text message; Tone alert ( incoming call / outgoing call / text message / talk permit / low battery/emergency panic ) etc.

### • Advanced signaling service

### • Kill / stun / revive, radio monitor, ambience listening and roaming, to enable flexible management.

### • iTALK software-Includes monitoring/recording and a unique guard patrouing system.

### • IP65 Protection Design(Splash proof)

## SPECIFICATIONS

### General

Communication Mode& Frequency Band	3G: WCDMA 850Mhz+2100Mhz or WCDMA 900Mhz+2100Mhz 2G: GSM 850M+900M+1800M+1900Mhz WIFI: 2.4Ghz
Channel Spacing	2G: 200kHz 3G: 5Mhz
Operating Temperature	-20°C ~ + 50°C
Storage Temperature	-40°C ~ + 80°C
Operating Supply	DC 3.7V
Battery	3800mAh Li-ion(standard),5000mAh Li-ion(optional)
Dimension (H*W*D) (with battery, without antenna)	115mm*54mm*30mm
Weight (with battery and antenna)	330g
Display	160*128 pixels, monochrome LCD screen
Dustproof & Splash Waterproof	IP65

### Transmitter

RF Power Output	2G: 2W ± 0.5W / 3G: 0.25W ± 0.1W
Frequency Stability	±0.1 ppm
Audio Distortion	5% (typical)

### Receiver

Frequency Stability	±0.1 ppm
Sensitivity	2G: BER < 0.001 when $\hat{I}_{or} = 1\mu V$ ; 3G: BER < 0.001 when $\hat{I}_{or} = 1\mu V$
Rated Audio Power	1W
Rated Audio Distortion	5% (typical)

## STANDARD ACCESSORIES



Adapter



KBC-77Q



Battery



Antenna



Belt Clip

## PRS COMMUNICATIONS

### TWO WAY RADIO SPECIALISTS

Sales - Servicing - Rentals - Monthly Maintenance - Push to Talk (PTT)  
Event, Emergency and Repeater Communications

Tel: 021 556 6195 / 021 557 4918

Email: [info@prscommunications.co.za](mailto:info@prscommunications.co.za)

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