

**KIRISUN**

# PT 5200

## Professional Two-Way Radio

PT5200 is a palm-fit radio with enhanced signaling features, including 2 Tone, 5 Tone and MDC1200 etc. Small, but not simple, that's PT5200.

**Rich Signaling**  
**Built-in Voice Scrambler**  
**Various Warning Tones**  
**Emergency Signaling**  
**Programmable Buttons**



**Dependable in Industry Communication**

# PT5200 PROFESSIONAL PORTABLE RADIO

## KEY FEATURES

### • Enhanced 2-Tone/5-Tone/MDC/DTMF Signaling

Built-in 2-Tone, 5-Tone, DTMF and MDC signaling are programmable in order to adapt to different systems around the world. Individual call, group call, broadcast call and remote killing, etc. could be realized by configuring different ID signaling.

### • Voice Scrambler

Voice encryption helps to enhance your communication privacy.

### • Various Warning Tones

Different warning tones are available to meet different needs of users.

### • Emergency Signaling

Emergency alarm and signaling can be used in emergent situation. 3 grades of emergency signaling can be set by the programming software.

### • Programmable Buttons

Two side buttons and one top button could be programmable to perform specific functions.

### • Low Battery Alert

When the battery power is low, the working status indicator flashes red, reminding you to recharge or replace the battery.

### • Wide Frequency Coverage

PT5200 series covers a wide frequency range with one version (136~174, 420~470, 470~512, 500~528 MHz). Different channel spacing (25, 20, 12.5 kHz) and TX Power (high, middle and low) are programmable per channel.

### • Password Protection

Writing and reading passwords for PC programming software ensure the radio data security.

## PT5200 SPECIFICATIONS

### General

Frequency Range	136~174MHz, 400~470MHz 470~512MHz, 500~528MHz
Channel Capacity	16
Channel Spacing	12.5KHz/20KHz/25KHz
Operating Temperature	-30℃ ~ +60℃
Operating Voltage	7.5V DC ± 20%
Battery	1200mAh Li-poly(Standard) 1600mAh Li-poly(Optional)
Frequency Stability	± 2.5 ppm
Dimension(with battery and antenna)	57mmx102mmx30mm
Weight(with battery and antenna)	235g

### Transmitter

RF Power Output	4W/2W/0.5W(UHF), 5W/2W/0.5W(VHF)
Frequency Modulation	16K $\phi$ F3E/11K $\phi$ F3E
Antenna Impedance	50 $\Omega$
Modulation Limiting	± 2.5KHz@12.5KHz, ± 4KHz@20KHz ± 5KHz@25KHz
Radiated Spurious Emission	-36dBm < 1GHz, -30dBm > 1GHz
FM Noise	40dB@20/25KHz, 35dB@12.5KHz
Modulation Distortion	< 3%

### Receiver

Reference Sensitivity	0.28 $\mu$ V@12.5KHz 0.25 $\mu$ V@20/25KHz typical
Adjacent Channel Selectivity	60dB@12.5KHz, 70dB@20/25KHz
Intermodulation	65dB
Spurious Response Rejection	70dB
Rated Audio Output	0.5W
S/N	40/35
Rated Audio Distortion	≤ 3%

NOTICE: Kirisun reserves the right to change any specifications without warning due to the technology improvement. For more information, please visit [www.kirisun.com](http://www.kirisun.com) or contact [marketing.os@szkirisun.com](mailto:marketing.os@szkirisun.com)

## STANDARD ACCESSORIES



KTC-50C1



KBC-42S



KB-42A



KBJ-05



KGS-01



Antenna



**Kirisun Communications Co., Ltd.**

FC CE ISO9001:2008 Accredited Designer & Manufacturer

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