

# Standard accessories

The standard accessories supplied for the radio have a variety of specification options adaptable to different countries and regions.



## Optional Accessories:



# PT5200

## SPECIFICATIONS

### General

Frequency Range	136~174MHz , 420~470MHz 470~512MHz
Channel Capacity	16
Channel Spacing	12.5KHz/20KHz/25KHz
Frequency Stability	2.5ppm
operating temperature	-25℃~ +55℃
Operating voltage	7.5V DC ±20%
Dimension(H×W×D)	57mm×102mm×30mm
Weight(with antenna&battery)	235g
Battery	1200mAh li-poly

### Transmitter

RF Power	4W/2W/0.5W(UHF) 5W/2W/0.5W(VHF)
Frequency modulation	16K Φ F3E/11K Φ F3E
Antenna Impedance	50 Ω
Modulation Limiting	±2.5KHz@12.5KHz, ±4KHz@25KHz ±5KHz@25KHz
Modulation Distortion	< 5%
Radiated Spurious Emission	-36dBm < 1GHz/-30dBm > 1GHz
FM Noise	-40dB @ 25KHz/-35dB @ 12.5KHz
Adjacent Channel Power	-60dB @ 12.5KHz/-70dB @ 20/ 25KHz

### Receiver

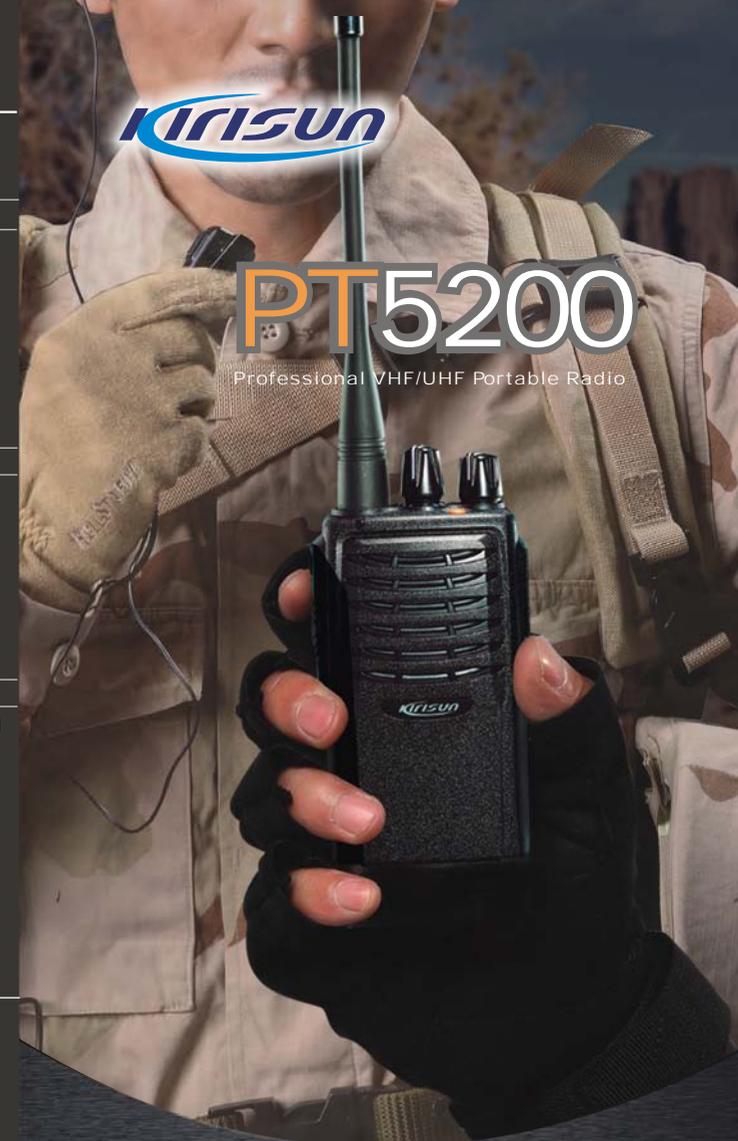
Reference Sensitivity	0.28 μV@12.5KHz/0.25 μV@25KHz typical
Operating Bandwidth	W ≥ ±7 N ≥ ±3.5
First IF of Receiver	51.65
Second IF of Receiver	450
Adjacent channel Selectivity	60dB @ 12.5KHz/70dB @ 20/25KHz
Intermodulation Rejection	65 dB
Spurious Response Rejection	70 dB
Rated Audio Power	0.5W
Rated Audio Distortion	5%
FM Hum&Noise	40/35

**NOTICE:** The specifications may be subject to change without notice due to advancement in technology, for more detailed information, please contact KIRISUN Electronics [Shenzhen] Co., Ltd.

For more information, please contact:



KIRISUN ELECTRONICS (SHENZHEN) CO., LTD.  
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KIRISUN

PT5200

Professional VHF/UHF Portable Radio

- 2-Tone/5-Tone/DTMF
- Voice Componder
- Password Protection
- Voice Operated Transmission (VOX)
- Voice Scrambler
- Emergency Signaling



# PT5200

VHF/UHF Portable Radio

# PT5200

KIRISUN PT5200 is a professional radio based on all features of PT4200 plus enhanced 2-Tone/5-Tone. It's rugged and structure as well as crisp voice ensures reliable communication in various applications.

PT 5200 has a list of outstanding features, including 2-Tone/5-Tone/DTMF, Channel Annunciation, Voice Scrambler, VOX, Emergency signaling; all are in a compact and lightweight radio.

## ADVANTAGES

- **2-Tone/5-Tone/DTMF**  
Built-in 2-Tone, 5-Tone, and DTMF 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 Operated Transmission(VOX)**  
Built-in VOX allows hands-free transmission on the radio when using the appropriate earphone/headset.

- **Channel Annunciation**  
Channel annunciation offers convenience to users in special applications, such as working in the darkness. The annunciation could be programmed in different languages.
- **Voice Scrambler**  
Voice encryption helps to enhance your communication privacy.
- **Password Protection**  
Writing and reading passwords for PC programming protect the radio data security.
- **Emergency Signaling**  
Emergency alarm and signaling is to be used in emergent situation. 4 grades of emergency signaling can be set by the programming software
- **CTCSS/DCS**  
Built-in CTCSS/DCS Encoder/Decoder can prevent co-channel interference and unwanted conversations on the same frequency and ensures smooth communication.
- **Programmable Buttons**  
Two side buttons and one top button could be programmed to perform specific functions.
- **Various Warning Tones**  
Different warning tones are available to meet users' different needs.
- **Squelch Level Programmable**  
Squelch reduces background noise and improves sound quality. Squelch level adjustable by PC software makes the radio can be widely used in various environments.

## GENERAL FUNCTIONS

- **16 Channels**  
16 communication channels provide flexible channel assignment among different user groups.
- **Busy Channel Lockout (BCLO)**  
BCLO is used to prevent the interference with the on-going conversation. If BCLO is ON the radio could not transmit on the busy channel.
- **Time-out Timer(TOT)**  
When TOT is ON and the transmission exceeds the preset time limit, the radio will stop transmitting after warning tone. TOT can prevent the radio from any potential damage caused by overlong transmission.
- **PC Programmable**  
With the optional programming cable, the parameters could be configured through PC software.
- **Wired Clone**  
To quickly set the parameters on a radio, you can clone the radio data from another radio with the supplied cloning cable, saving the time of parameter setting.
- **Low Battery Alert**  
When the battery power is low, the working status indicator flashes red, reminding you to recharge or replace the battery.
- **Channel Spacing Selectable**  
Different channel spacing 25 kHz / 20kHz / 12.5 kHz is optional to conform with the regulations of different countries.

