

PT5200

VHF/UHF Portable Radio

KIRISUN

Main Functions:

- 16 Channels
- Channel Spacing Selectable
- Channel Annunciation
- 3 Programmable Keys
- CTCSS/DCS
- 2 Tone/5 Tone/MDC
- DTMF Encoder
- Monitor
- Full Emergency
- PTT ID
- Voice Operated Transmission (VOX)
- Kill, Stun, Revive
- Scan & FCS
- Scrambler
- Lone worker
- PC Programmable (with Password)
- 16 Personal Templates



FC CE !

ISO9001: 2008 Accredited Designer & Manufacturer

Manufactured by Shenzhen Kirisun Electronics Co. Ltd.

Contacts: Tel: +86-0755-86096388 Fax: 0755-86096018 E-mail: derrick@kirisun.com



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

SPECIFICATIONS

General

Frequency Range	136~174MHz, 420~470MHz 470~512MHz, 500~528MHz
Channel Capacity	16
Channel Spacing	12.5KHz/20KHz/25KHz
Frequency Stability	2.5ppm
Operating temperature	-25°C~+55°C
Operating voltage	7.5V DC ±20%
Dimension(H×W×D)	57×102×30mm/2.2×4.0×1.2in
Weight(with antenna&battery)	235g
Battery	1200mAh Li-poly

Transmitter

RF Power	5W/2W/0.5W(VHF) 4W/2W/0.5W(UHF)
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 μ V@12.5KHz/0.25 μ V@25KHz typical
Operating Bandwidth	W \geq ±7 N \geq ±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

Special Features:

• 16 Channels

16 communication channels provide flexible channel assignment among different user groups.

• Busy Channel Lockout (BCLO)

BCLO prevents the interference with the on-going conversation. If BCLO is ON the radio can 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.

• 2-Tone/5-Tone/DTMF/MDC

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 Operated Transmission(VOX)

Built-in VOX allows hand-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.

Standard Accessories:



KTC-25(US)
Switching power



KTC-50E1(US)
Switching power



KTC-06Q
Switching power



KTC-01E(US)
Power cable

Note: This switch is a desktop type, which should be used only equipping with power cable.



KBC-42S
Desktop charger
Use the adapter with
0.5A switch



KBJ-05
Belt clip
(Plastic bracket)



KB-42A
Li-poly 1200mAh
Battery pack



Antenna



KGS-01
Hand strap

Optional Accessories:



KME-212
Handheld-Mic



KME-001
Headset Mic



KME-004
D-earset with
boom Mic



KME-005
D-earset with
boom Mic



KME-010
D-earset with
boom Mic



KME-008
D-earset Mic



KME-009
Speaker Mic with
transparent
acoustic tube



KB-58L
Li-ion 1000mAh
Battery pack



KB-58B
Li-poly 1600mAh
Battery pack



KB-58D
Car power
supply



KBC-06Q1
6-slot universal
charger



KBC-42Q
Desktop charger
Use the adapter
with 1A switch



KSPL-02
Programming
cable



KSPL-U02
Programming
cable



KCL-01
Cloning cable



KBJ-06
Belt clip
(Metal bracket)



Antenna



Antenna



KPT-06
Leather case



KPT-05
Leather case



KPT-07
Leather case

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

SHENZHEN KIRISUN ELECTRONICS CO., LTD.
www.kirisun.com

For more information, please contact: