



PT8200

SPECIFICATIONS

General	
Frequency range	136~174 MHz, 400~470MHz 450~520 MHz, 340~400MHz
Channel capacity	128
Operating temperature	-25°C ~+55°C
Antenna impedance	50 Ω
Power Supply	DC 13.6V ±20%
Dimension(W×H×D)	170mm×52 mm×170 mm
Weight	1450g
Receiver	
Sensitivity(12 dB SINAD/EIA)	0.28 μV@12.5KHz, 0.25 μV@20/25KHz typical
Intermodulation EIA	65 dB
Adjacent Channel Selectivity	60 dB@12.5KHz, 70 dB@20/25KHz
Spurious Rejection	70 dB
Rated Audio	5 W
Audio Distortion @ Rated Audio	<5%
Audio Response (300-3000Hz)	+1 ~ -3 dB
Conducted Spurious Emission	-58 dBm<1GHz, -47 dBm>1GHz
Transmitter	
Frequency Stability(-25 to 55, 25 Ref)	2.5ppm
Power Output	5W/25W/45W(UHF) 5W/25W/50W(VHF)
Modulation Limiting	±2.5KHz@12.5KHz, ±4KHz@25KHz, ±5KHz@25KHz
FM Hum & Noise	40dB@12.5KHz, 45dB@25KHz
Conducted/Radiated Emission	-36dBm < 1GHz, -30dBm > 1GHz
Adjacent Channel Power	-60dB @ 12.5KHz, -70dB @ 20/25KHz,
Audio Response (300-3000Hz)	+1 ~ -3 dB
Audio Distortion	< 5%

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:



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Professional choice

PT8200

FM VHF/UHF Mobile Radio



- Voice Scrambler Encryption
- Missed Call Notice
- Call Transfer
- Talk Around
- Remote Killing
- Power-on Self-inspection
- MILSTD

PT8200

FM VHF/UHF Mobile Radio

SERIES

KIRISUN

Your smart choice

- **Embedded Radio Information and Multiple Password Protection**
The radio offers reading password to both protect the privacy and prevent unauthorized cloning of radio data.
- **Programmable function keys**
6 programmable keys provide almost any radio feature tailored to your need.
- **MILSTD**
PT8200 radios fully meet MIL-STD 810 C/D/E specs covering physical and temperature shock, vibration, low pressure, and solar radiation.
- **ANI**
The radio can be programmed to sound emergency siren/ANI. When the emergency siren/ANI is enabled, the radio will transmit emergency ANI or sound continuously at highest volume.
- **Multiple Monitor**
Allows users to monitor the activity on the current channel. The feature is especially helpful for receiving a weak signal.
- **Audio Comander**
He purpose of Comanding is to reduce radio and airway noise, thus enhancing audio clarity.
- **Voice Scrambler Encryption**
Maintaining private and secure communications is increasingly important, with potentially sensitive information flowing back and forth. The PT8200's scrambler feature provides enhanced security for your important public safety and private security communications.
- **Personalized Alert Tone**
Different alert sound can be customized, users only need to input different sound frequencies in the software.
- **Missed Call Notice**
To indicate the missed call, PT8200 provides missed call indicator, when there is a call missed, indicator will show it on LCD.
- **Call Transfer**
When the user is not in the car, the incoming call can be transferred to a portable radio. The only thing need to do is programming a channel between the mobile and receiving portable radio. This achieves more efficiency in dispatch situation.

- **Lowest Volume Audibility**
This function is adjusting the turn-on volume to an audible level, it helps to achieve enough volume in case user turns the radio to the lowest volume.
- **Versatile Calling Mode**
Several kinds of call mode are available, individual call, group call and call all fully meet various customers demands.
- **Call Back**
PT8200 provides a call back directory, all the missed call will be saved temporarily, user can call them back directly from this directory and don't need to dial again.
- **VOX**
Plug an earphone with VOX feature into the radio to enable VOX. It enables you to free your hands and talk without pressing PTT button.
- **High/Middle/low Power Switchable**
High/Middle/low output power can be selected per channel, tailored for user environment.
Low output power for battery saving when communication within limited range coverage; while high output power optimizes range coverage when further distance required.
- **Kill/stun/activate/unstun**
If a radio has a decoder set up for kill/stun, then on decoding the sequence the radio will be 'killed/stunned'. All attempts at user activity, except powering on/off, will be ignored and the only received signal actioned by the radio will be the activated/unstun decode sequence.
- **Multiple emergency siren**
The radio can be programmed to kinds of sound emergency siren, with the emergency siren is enabled, the radio will transmit emergency ANI or sound continuously.
- **Versatile Scanning Features**
Customable scan template for each channel allows different scan list for convenient administration in large work group. PT8200 series offers both standard and priority scan modes.
- **Versatile Scanning**
Multiple scan modes are available: single zone scan and multiple zone scan. Achievable functions include add/delete scan channel, temporarily delete nuisance channel, and user selectable priority channel.
- **Key lock**
When this function is enabled, any operations on the key will be ignored. This helps to prevent the undesired operations caused by carelessness.

- **Power-on Self-inspection**
Whenever the radio is turned on, it will scan the main hardware, such as the MCU chip automatically, if there is something wrong, alert will be sound and only everything is ok, is it go to work mode.
- **BCLO**
Avoid interference with the users using the same channel by preventing transmission if another talk group is already on the air.
- **TOT**
If the transmission exceeds preset time, transmission will be stopped. This feature is used to prevent one from using the same channel for a long time.
- **DTMF**
DTMF can be set on or off for each channel, for dispatch operations or for a simple remote control application.
- **Enhanced 2-tone or 5-tone**
The enhanced encoder and decoder functions offer a 2-tone or 5-Tone paging code assignable to any channel.
An incoming message is signaled with audible alerts.
- **PC Programming**
Radio parameter programming and turning can be accomplished via the accessory connector from a PC compatible computer without ever having to open the
- **Wired Clone**
Radio-to-Radio copy can be achieved via a simple interface cable without the use of a PC or special equipments.
- **MDC1200**
The PT8200 provides the standard MDC1200 signaling.

