



PT 8100

Professional Mobile Radio

With compact design, multiple signaling choices and 256 memory channels, PT8100 is an ideal mobile radio for transportation or dispatching working groups. Wide frequency coverage can meet different frequency requirements.

- Enhanced Call Function
- Multiple Emergency Call
- Wide Frequency Coverage
- Easy to Use
- Manual Dialing



Professional Mobile with Enhanced Signaling Features

PT8100 PROFESSIONAL MOBILE RADIO

KEY FEATURES

• Compact Size

PT8100 with compact size is flexible to install in the vehicle whose space is limited.

• Enhanced Call Function

Built-in 2-Tone/5-Tone/DTMF encode and decode enable multiple call functions for users including group call, private call, kill/active, stun/revive, silent interrogate and so on.

• Wide Frequency Coverage

With wide band frequency coverage including 136-174M, 66-88M, 438-490M, 400-450M, 470-512M, it is flexible for different market users.

• Easy to Use

With its 8-character alphanumeric display, 5 programmable buttons and 256 channels, this radio supports access to an expanded feature set for a large workforce.

• Multiple Emergency Call

For enhanced user safety, lone worker, security check are designed on this radio. It requires the user to reset the radio at a predetermined interval, if not, the radio will automatically enter into emergency mode to ask help. During emergency, ENI & background and emergency alarm could be sent to dispatching center and partners.

• Manual Dialing

With DTMF Microphone, it allows users to dial DTMF number by DTMF Microphone flexibly.

• OST Function

OST function allows users to set CTC/DCS by programmable key on each channel.

• Home Channel

Home channel function enables switch to the preset channel quickly by pressing the programmable key.

• Public Address

The public address feature feeds microphone audio through a powerful PA amplifier to the external speaker, offering robust and clear audio.

PT8100 SPECIFICATIONS

General

Frequency Range	66-88MHz, 136~174MHz, 400~450MHz 438~490MHz, 470~512MHz
Channel Capacity	256
Channel Spacing	12.5KHz / 25KHz
Frequency Stability	±2.5ppm
Operating Temperature	-30°C ~ +60°C
Operating Voltage	13.6V DC ±20%
Dimension(H×W×D)	150mm×131mm×43mm
Weight	1310g

Transmitter

RF Power	25W/10W/5W(UHF), 25W/10W/5W(VHF)
Frequency Modulation	16KφF3E/11KφF3E
Antenna Impedance	50 Ω
Modulation Limiting	±2.5KHz@12.5KHz ±5KHz@25KHz
Modulation Distortion	< 3%
Radiated Spurious Emission	-36dBm < 1GHz / -30dBm > 1GHz
FM Noise	45dB@25KHz/ 40dB@12.5KHz

Receiver

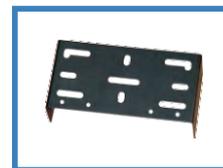
Reference Sensitivity	0.28 μV@12.5KHz, 0.25 μV@25KHz
Adjacent Channel Selectivity	60d @12.5KHz, 70dB@25KHz
Intermodulation Rejection TIA	70dB
Spurious Response Rejection	70dB
Rated Audio Output	4W
S/N	45/40
Rated Audio Distortion	≤3%

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

STANDARD ACCESSORIES



KTC-215



Mounting bracket



DC Power cable



Kirisun Communications Co., Ltd.

FC CE ⓘ ISO9001:2008 Accredited Designer & Manufacturer

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