

RP7200



Makers of Relm and BK Radio

Professional Two-way Radio



Main Functions:

- Remote Killing/Stun/Active/Revive
- Enhanced 2-Tone/MDC/5-Tone/DTMF
- Emergency Signaling and Alarm
- Password Protection
- Lone Worker
- PC Programmable and Turnable
- Manually Programmable
- Embedded Radio Information
- Personalized Alert Tone and Volume
- BCLO (Busy Channel Lockout)
- TOT (Time-out Timer)
- Low Battery Alert
- Power-Saving Mode



The RP7200, a professional radio with compact, full bands & enhanced signaling features, is an ideal partner for your business, which protect the privacy in critical environments.



RP7200

Super Functions

Simple Operation and Ease of Use

Only 4 keys, volume and channel knobs, anyone could use the Rp7200 before special training to get down to the business of communications without fuss.

Channel Annunciation

The channel annunciation feature can automatically “read out” the selected channel number. This eye-free user can interface is great for portables worn on the belt, in a pocket or in dark environments.

Tough Rain Resistant Casing

Built tough to take rough treatment, the Ro7200 has passed the IP54 rain resistance tests. It also meets or exceed MIL-STD 810 C/D/E environmental standards.

Emergency Alarms

The Emergency Mode in the Rp7200 could be programmed as a silent alarm, local alarm, remote alarm, monitored alarm, and emergency signaling alone or all four different circumstances.

Professional Two-way Radio



RELM Wireless Corporation
7100 Technology Drive
West Melbourne, FL 32904
800.821.2900
www.relm.com

Functions

Multiple Signaling and Flexible Selective Calls

Use the built-in CTCSS, DCS, DTMF, 2-Tone, MDC, and 5-Tone capability to set up user's own talk groups and quiet stand-by when others are talking. Special tone code for group and individual calls, and more features are available to support flexible, selective calling operations.

Lone Worker

The radio enters emergency mode if the user does not respond to a warning call (Lone Worker), adding security and safety for individuals who work remotely and lonely.

Whisper

The whisper feature allows a user to speak quietly into a radio and still be heard clearly by other radio users.

Optimum Audio

1000mW speaker offers loud and clear audio

Remote Kill/Stun/Activate/Revive

If the radio is killed or stunned, all attempts on operation by the user, except power on/off, will be ignored. The radio will be activated or revived only when it receives the correct code.

Audio Compaander

The built-in audio compander reduces noise components and provides clear reception even in narrow band use.

Voice Scrambler

A voice-inversion scrambler provides basic communications security against casual eavesdropping.

Wide-range Frequency Coverage

The RP7200 series covers a wide frequency range in VHF and UHF.

Voice-operated transmission (VOX)

The internal VOX provides PTT control with the simple talking, which brings much convenience for specialized tasks and events where hand-free, constant or repetitive communications are necessary.

Enhanced 2-Tone/5-Tone/MDC1200

Up to 16 2-Tone/5_tone codes can be decoded on a channel. When a matched tone is received, various preprogrammed actions as beep, answer back, stun, LED blink could be activated. Even missed call notice and call transfer are optional for upgraded versions. The RP7200 can also provide the standard MDC1200 signaling.

Versatile Scanning Features

Customizable Scan Template for each channel allows up to 16 different scan lists for convenient administration in large work groups. Auto-scan and vote features are helpful for monitoring on multiple channels. The RP7200 series offers both standard and priority scan modes. Call back allows immediate response to a received call without having to manually search or change channels.

Data Clone

For quick programming of the RP7200 radios for group use, the Clone feature allows copying of all channels and other configuration data from one radio to another by cloning cable or other radios in wireless clone mode (optional).

Password Protection

Writing and reading passwords for PC programming protect the radio data.

Recommended Applications

- Security
- Firefighters
- Public utilities
- Property management
- Construction sites
- Hotel



Specifications

Standard Accessories

General

Frequency Range	136~174MHz 400~470MHz
Channel Capacity	350~400MHz 450~520MHz
Channel Spacing	16
Frequency Stability	12.5KHz
Operating temperature	2.5ppm
Operating voltage	-25°C ~ +55°C
Dimension(H×W×D)	7.5V DC ±20%
Weight	113 × 54.5 × 35mm/4.4 × 2.1 × 1.3in
Battery	280g
	Li-poly 1700mAh

Transmitter

RF Power	5W/2W/1W(VHF) 4W/2W/1W(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@20/25KHz typical
Operating Bandwidth	$W \geq \pm 7$ $N \geq \pm 3.5$
First IF of Receiver	38.85/51.65
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	1W
Rated Audio Distortion	5%
FM Hum&Noise	40(W)/35(N)

Standard Accessories:



Optional Accessories



ISO9001:2000 Certificate NO.FM 61540



www.relm.com

Your Local Dealer