

it's **simoco**

SRM9000 Mobile Radios

Ultimate in Flexibility and Productivity



The SRM9000 mobile radio comprises a common transceiver platform that can support a wide range of control head options from a simple function key microphone to a full-featured control head. The mobile uses the latest DSP technology to achieve maximum functionality and audio quality housed in a heavy-duty aluminium chassis for protection against the toughest environments.

- Full compatibility with SRP9100 portables.
- Multi mode capability – PMR, TMR, P25 conventional and P25 trunked.
- Common transceiver for all models.
- Four interchangeable control heads with programmable and fixed function buttons.
- Designed for integrating advanced applications.
- Flexible mounting options -designed for easy installation.
- 5 frequency bands (66-520MHz).
- 2400/1200 baud FFSK Data Modem.
- Capacity of 1000 channels (PMR), 1024 channels (TMR) and 64 Zones of up to 250 channels (P25).
- Text message capability.
- Navigation buttons allow easy scrolling via menu systems.
- FFSK or Selcall ANI.
- AVL option.
- Simple Voice Scrambler.
- Voting and Scanning.
- A range of option boards available for specialised system solutions:
 - Multi-purpose Application Board.
 - System Interface/Encryption Board.
 - 600 ohm board for Balanced Audio Interface.
 - Dual Head and Serial/Parallel I/O board kit (DMAP).
 - Standard Audio Serial Interface board with GPS socket.

Xmode



SRM9000

SPECIFICATIONS

Features



| | SRM9010 | SRM9020plus | SRM9022 | SRM9030plus |
|------------------------------|--------------------|---------------------|---|---|
| Control | Controller Mic | Controller Mic | Keypad Display Handset | Control Head and Mic |
| Channels | 10 | 100 | 1000 | 1000 |
| Display | 1 digit | 6 Characters | 8 x 12 Characters | 8 x 14 Characters |
| MPT1327 Trunking | Programmable | User Selectable | User Selectable | User Selectable |
| P25 Compatible | No | No | Yes | Yes |
| Function Buttons | 1 | 4 | 12 button Keypad +4 programmable buttons | 12 button keypad +6 programmable buttons and 2 dedicated call buttons |
| CTCSS/DCS | | | | |
| PTT, Re PTT Timers | Yes | Yes | Yes | Yes |
| Busy Channel Lockout | Yes | Yes | Yes | Yes |
| User/Fixed Scan Groups | 0/10 x 16 channels | 4/100 x 16 channels | 4/240 x 16 channels | 4/240 x 16 channels |
| Selcall | Yes | Yes | 8 Dec / 250 Enc | 8 Dec / 250 Enc |
| DTMF | No | 2 Fixed Strings | Yes | Yes |
| Ignition-Sense switch on/off | Yes | Yes | Yes | Yes |
| Vox Handsfree | No | No | No | Option |
| Internal GPS | Option | Option | Option | Option |
| IO Expansion Interface | Option | Option | Option | Option |

General Specifications

| | |
|--------------------------|---|
| Channel Spacing | |
| Frequency Bands | |
| Operating Temperature | -30°C to +60°C operating (Transceiver) -40°C to +80°C storage |
| Antenna Connector | 50Ω BNC |
| Inputs / Outputs | Ignition-sense input; PTT; On/Off; Configurable output |
| Environmental Protection | IP54 |
| Environmental Standards* | MIL-STD-810 F Method Procedure High Temperature 501.4 1, 2 Low Temperature 502.4 1, 2 Humidity 507.4 3 Vibration 514.5 1 |
| | P25 compliant 64 zones of 250 channels Voting Scanning Trunked 1000 channel pool DES-OFB and AES Encryption Individual Calls Emergency Call Analog mode CTCSS/DCS/DTMF/Scrambler |
| Trunked Operations | MPT1327/1343 (1024 channels); 250 entry phone book; Normal, Priority, Emergency, Group, Broadcast, Diversion, Busy and Queued Status Calls Abbreviated Dialling |

*See www.simoco.com.au for a full list of specifications

Transmitter Specifications

| | |
|--------------------------|---|
| Transmit Power | 2 levels (high/low), 1W to 25W selectable per channel |
| Duty Cycle | 1 minute transmit, 4 minute receive |
| Audio Distortion | <3% at 1kHz, 60% deviation |
| Audio Frequency Response | +1dB to -3dB of pre-emphasised 300 to 3000Hz on 25kHz channel; 300 to 2550Hz on 12.5kHz channel |
| Hum and Noise | >40dB (12.5kHz); >45dB (25kHz) |
| Transmit Rise Time | <25 mSec |

Receiver Specifications

| | |
|--------------------------|--|
| Sensitivity | 0.30µV for 12dB SINAD |
| Selectivity | >73dB (25kHz); >65dB (12.5kHz) |
| Intermodulation | >70dB |
| Audio Frequency Response | +1dB to -3dB of de-emphasised 300 to 3000Hz |
| Audio Output | 4W into 4ohms at <5% distortion (link for 10W into 8ohms) |
| Blocking | >95dB at ±1MHz |
| Hum and Noise | >40dB (12.5kHz); >45dB (25kHz) |

Local Dealer:

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SAI Global

SRM9000

For additional information on this and other Simoco products visit our website:
www.simoco.com.au

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