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 and P25.
- 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 250 channels (P25).
- A range of option boards available for specialised system solutions:
  - Standard Audio Serial Interface board with GPS socket.
  - 600 ohm board for Balanced Audio Interface.
  - System Interface/Encryption Board.
  - Dual Head and Serial/Parallel I/O board kit (DMAP).
  - Multi-purpose Application Board.
- Text message capability.
- Navigation buttons allow easy scrolling via menu systems.
- FFFSK or Sel call ANI.
- AVL option.
- Simple Voice Scrambler.
- Voting and Scanning.

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SPECIFICATIONS

Features

	SRM9010	SRM9020	SRM9022	SRM9030
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 (PMR)	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 / 124 x 16 channels	4 / 124 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	Option	Option	Yes	Option
Internal GPS	Option	Option	Option	Option
IO Expansion Interface	Option	Option	Option	Option

General Specifications

Channel Spacing	12.5, 20 or 25kHz selectable per channel
Frequency Bands	E0 66 – 88 MHz; AC 136 – 174 MHz; R3 335 – 400 MHz; TU 400 – 480 MHz; UW 440 – 520 MHz
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; Carrier Detect; On/Off
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

SIMOCO P25

P25 compliant
64 zones of 250 channels
Voting
Scanning
Trunked
1000 channel pool
DESÐOFB 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

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	>65dB (ETS method)
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)

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For additional information on this and other Simoco products visit:

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