



SRM9000 Mobile Radio

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 single 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 system
- 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



SRM9000

SPECIFICATIONS



	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 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
Dimension (HxWxD)	82 x 57 x 38mm	96 x 68 x 44mm	165 x 52 x 30mm	65 x 188 x 45mm (Control Unit) 82 x 57 x 38mm (Microphone)
Weight	200g	200g	200g	210g (Control Unit) 200g (Microphone)

General

Transceiver Dim / Weight	56 x 170 x 165mm (HxWxD) / 1.8kg		
Channel Spacing	10, 12.5, 20 or 25 kHz selectable per channel		
Frequency Bands	E0 ~ 66-88MHz: AC ~ 136-174MHz: K1* ~ 174-208MHz: R3 335-400 MHz: UH ~ 440-520MHz: TU ~ 400-480MHz: * subject to availability		
Operating Temperature	-30 °C to +60 °C Operating (Transceiver) -40 °C to +80 °C Storage		
Antenna Connector	50Ω BNC		
Enviro. Protection	IP54		
Inputs/Outputs	Ignition sense input, PTT, On/Off, Configurable Output		
Enviro. 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 Voting	40 zones of 250 channels Scanning	
	Trunked	1000 channel pool	
	Individual Calls	Emergency Calls	
	Analog mode CTCSS/DCS/DTMF/Scrambler DES-OFB and AES Encryption		
Trunked Operations	MPT1327/1343 (1024 channels), 250 entry phonebook, Normal, Priority, Emergency, Group, Broadcast, Diversion, Busy and Queued Status Calls, Abbreviated dialling.		
Conformance	EN 300 086, EN 300 113, EN 300 219, EN 300 279, AS4295		

2. Transmitter

Transmit Power	3 levels programmable 1-25 W
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	<25mSec

3. Receiver

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

Analogue Conventional

CTSS · DCS · Sequential Tone (selcall) · FFSK · DTMF · Status · 240 scan/vote groups · 250 entry phone book

Analogue Trunked MPT1327

MPT1343 (UK) · Chekker (Regionet 43 Germany) · 3RP (CNET2424 France) · Traxys (NL1343 Netherlands) · Multiax · MPT1343 (Australia) · 250 entry phone book · Normal · Priority · Emergency · Group · Broadcast · Diversion · Busy · Queued · Status calls · Abbreviated dialling

Note:
Typical figures based on normal operating conditions. Not all combinations of frequency bands and options are available for every market area.

For additional information on this or any other Team Simoco product, visit our web site at: www.teamsimoco.com

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Certificate number 3358/02