SRM9000

SRM9030plus

it's simoco

SRM9030plus
Control Head

SRM9000 Mobile Radios
Ultimate in Flexibility

The SRM9000 mobile radio provides leading edge radio communications. This radio has evolved to address the needs of diverse markets from simple voice through to advanced system applications. The functionality and flexibility provided by our unique Xmode platform ensures it will meet your current and future needs. Obsolescence is a thing of the past with the SRM9000, as accessing advanced functionality is as simple as a software setting.

SRM9022   SRM9020plus

SRM9022

SRM9020plus

Suitable for:

- Full *Xmode* capability including PMR, TMR, P25 Trunked, P25 conventional, data, messaging, signalling, scanning and voting.
- Ruggedized, heavy duty construction for reliability in all vehicle types.
- Multiple choice of control console or control microphones depending on user requirements.
- Cost effective choices for entry level options that can be expanded or added in future to meet evolving business needs.
- Programmable function buttons and parameters to allow customers to tailor the radio for their requirement.
- 32 Keys digital encryption on P25 models. Voice scrambler option for analogue models.
- Safety and emergency functions such as Lone Worker, Stun, GPS and Emergency.
- Compatible with SAMS Automatic Vehicle Location suite.

DIGITAL WIRELESS • SANS FIL NUMÉRIQUE • INALÁMBRICO DIGITAL
P25

Xmode
multiple analogue & digital modes

it's simoco
it's more than a radio...

it's SIMOCO
it's more than a radio...

Features Specifications

Control	SRM9010	SRM9020/plus	SRM9022	SRM9030/plus
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 Trunked	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
User/Fixed Scan Groups	0/10x16 channels	4/100x16 channels	4/240x16 channels	4/240x16 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	10, 12.5, 20 or 25 kHz
Frequency Bands	66 - 88 MHz; 136 - 174 MHz; 208 - 245 MHz; 335 - 400 MHz; 400 - 480 MHz; 440 - 520 MHz
Operating Temperature	-30° to +60° operating (Transceiver), -40° to +80° storage
Antenna Connector	50 Ω BNC
Inputs/Outputs	Ignition-sense input; PTT; Carrier Detect; On/Off; Configurable output
Transceiver Dimensions	56 mm (H) x 170 mm (W) x 165 mm (D)
Environmental Protection	IP54

Environmental Standards*	Method	Procedure
MIL-STD-810F		
High Temp	501.4	1, 2
Low Temp	502.4	1, 2
Humidity	507.4	3
Vibration	514.5	1

Conformance — EN 300 086, EN 300 113, EN 300 219, EN 300 279, AS4295

• P25 Compliant
• 40 zones of 250 channels • Voting
• Trunked • Scanning • Individual Calls
• 1000 channel pool • Emergency call
• DES-OFB and AES Encryption**
• Analogue mode including scrambler, CTCSS, DCS, DTMF

SIMOCO P25

Note: Specifications based on standard operating conditions. Not all combinations of frequency bands and options are permissible for every market area.
*See www.simoco.com.au for a full list of specifications.
**AES encryption subject to export control.

Transmitter Specifications

Transmitter Power	3 levels programmable 1-25 W
Duty Cycle	1 minute transmit, 4 minute receive
Audio Frequency Response	+1 dB to -3 dB of pre-emphasised 300 to 3000 Hz on 25 kHz channel; (300 to 2550 Hz on 12.5 kHz channel)
Hum and Noise	>40 dB (12.5 kHz), >45 dB (25 kHz)
Transmit Rise Time	<25 mSec
Current Consumption	<7.5 A (UHF)

Receiver Specifications

Sensitivity	0.3 µV for 12 dB SINAD
Selectivity	>73 dB (25 kHz), >65 dB (12.5 kHz)
Intermodulation	>70 dB
Audio Frequency Response	+1 dB to -3 dB of pre-emphasised 300 to 3000 Hz on 25 kHz channel; (300 to 2550 Hz on 12.5 kHz channel)
Audio Output	4 W into 4 Ω @ <5 % distortion (link for 10 W into 8 Ω)
Blocking	>95 dB at +/-1 MHz
Hum and Noise	>40 dB (12.5 kHz); >45 dB (25 kHz)

Analogue Conventional

• CTCSS • 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