



SRP9120/30 Portable Radios

High Performance and Reliability



SRP9120

SRP9130

The versatile and cost effective SRP9120/30 family of two-way radios provide new benchmarks in communications. Now fitted with the unique functionality and flexibility provided by the *Xmode* platform, this radio is the answer to your communications challenges now and in the future. Where flexibility, performance and reliability are paramount, the SRP9120/30 is your clear choice.

- Full *Xmode* capability including PMR, TMR, P25 Trunked, P25 conventional, data, messaging, signalling, scanning and voting.
- Cost effective choices for entry level options that can be expanded or added in future to meet evolving business needs.
- Bright, easy to read display with ergonomic radio controls for operator convenience.
- DES-OFB and AES Digital encryption, 32 Keys. Custom encryption schemes can be supported.
- Industry leading voting performance in both analogue and digital modes.
- Programmable function buttons and radio parameters.
- Safety and emergency functions such as Lone Worker, Stun, GPS/Man Down and Emergency.
- Full compatibility with SAMS Automatic Vehicle Location suite.



Xmode

multiple analogue & digital modes

it's **simoco**

it's more than a radio...

it's **SIMOCO**

it's more than a radio...

General Specifications

Channel Spacing	12.5, 20 or 25 kHz programmable, 10 kHz optional		
Frequency Bands	66 - 88 MHz 136 - 174 MHz 208 - 245 MHz 335 - 400 MHz 400 - 480 MHz 440 - 520 MHz		
Display	12 characters		
Switching Bandwidth	Full band		
Modulation	Pre-emphasised FM		
Operating Temperature	-30° C to +60° C		
Antenna Impedance	50 Ω		
Power Supply	2100 mAh or 2700 mAh NiMH; 3000 mAh Li-ion (also available with rear contacts)		
Battery Life	>13 hours, high transmit power 3000 mAh battery, 90:5:5 duty cycle		
Dimensions	147 mm (H) x 68 mm (W) x 46 mm (D)		
Weight	420g (with 3000 mAh battery and antenna)		
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
Conformance	EN 300 086, EN 300 113, EN 300 219, EN 300 489, EN 60950, AS4295		

Transmitter Specifications

Power Output	3 levels programmable 0.5 - 5 W
Audio Distortion	<3 % at 1 kHz, 60 % deviation
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)
Tx/Rx switch time	<25 ms
Hum and Noise	>40 dB (12.5 kHz); >45 dB (25 kHz)

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 de-emphasised 300 to 3000 Hz on 25 kHz Channel (300 to 2550 Hz on 12.5 kHz Channel)
Audio Output	500 mW into 16 Ω @ <5 % distortion
Blocking	>95 dB at +/- 1 MHz
Hum and Noise	>40 dB (12.5 kHz); >45 dB (25 kHz)

Analogue Conventional Operation

Operation	Single and two frequency simplex
Number of Channels	1000 channels 240 scan / vote groups (SRP9130) 200 channels (SRP9120)
Signalling	CTCSS, DCS, FFSK, DTMF, Sequential Tone (selcall)

Analogue Trunked Operation

Operation	Two frequency simplex in MPT1327 trunked systems
Number of Channels	1024 trunked channels in 50 sub bands
Network Capability	<ul style="list-style-type: none"> UK Germany France Netherlands Australia

P25 Operation



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

Note: Specifications based on standard operating conditions. Not all combinations of frequency bands and options are permissible for every market area.
*AES Encryption subject to export control.

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

