

# SRP9100 Portable Radio

## INNOVATIVE COMMUNICATIONS



Today's service organisations are increasingly dependant on efficient, portable communication solutions in the field – essential for linking and supporting staff in government, security, manufacturing, public safety and the emergency services where safety and security are paramount.

The SRP9100 series of trunked and conventional radios, based on the highly acclaimed and well proven SRM9000 Series of Mobile Radios, takes portable communications to a new era. With its dual mode capability, users can roam between local PMR and Regional trunked radio networks ensuring that the user is always in communication.

The SRP9100 range combines simplicity of operation with sophisticated functionality, the radio is built on the concept of high quality, reliability and consistency in product, service and support.

The radios have been designed with users in mind and provide cost effective communication solutions. Employing the latest Digital Signal Processing (DSP) technology, the radio offers the flexibility and performance in channel bandwidth and modulation options.

The power of the SRP9100 series can enhance the efficiency and performance of your organisation and meet your changing communication requirements.

- Scrambling
- Advanced Selcall Programming Feature
- Battery options NiMH and Li-ion Hi-Capacity
- Range of Accessories
- Conventional and Trunked



SRP9120



SRP9130

SRP9100



## TECHNICAL DATA

### 1. General

Channel Spacing	12.5kHz(11K0F3EJN), 20kHz(14K0F3EJN) or 25kHz (16K0F3EJN) selectable per channel
Frequency Bands	E0 ~ 66-88MHz: AC ~ 136-174MHz: KM ~ 208-245MHz: R1 ~ 335-375MHz: TK ~ 400-450MHz: UW ~ 440-500MHz: WR ~ 470-530MHz TU ~ 400-480MHz:
Switching Bandwidth	Full Band
Modulation	Freq.F3E (voice) pre-emphasised/flat, or FFSK data (1200 or 2400bps)
Operating Temp.	-20° C to +55° C Operating (Full Spec.)
Antenna Connector	50Ω
Environ. Protection	IP54
Power Supply	NiCad Battery 1600mAh; Ni-MH 2100mAh or 2700mAh; Li-ion 3000mAh
Battery Life	>10 hours typical, high transmit power (on 2700mAh battery)
Dimensions	145mm (H); 58mm (W); 42mm (D)
Weight	490g (with battery and antenna)
Type Approval	EN300 086 Radio, EN300 113 Data, EN301 489-5 EMC, EN300 219 Sig.

### 2. Transmitter

Power Output	Max: 5W VHF, 4W UHF: Min: 0.5W
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### 3. Receiver

Sensitivity	0.30μV for 12db SINAD
Audio Output	500mW into 8Ω at <5% distortion

### 4. Conventional Operation

Models	SRP9120 and SRP9130
Operation	Single and two-frequency Simplex, (half duplex)
Number of Channels	SRP9120 ~ 200 max SRP9130 ~ 1000 (250 inc. 240 scan/vote groups)
Signalling	CTCSS; DCS; Sequential Tone; Selcall (CCIRH,EEA,ZVEI,DZVEI,NATEL,EIA,User defined); FFSK; DTMF (Encode)

### 5. Trunked Operation

Models	SRP9120 and SRP9130
Operation	Two-frequency Simplex in MPT1327 based trunked systems
Number of Channels	1024 trunked channels; 1000 (non-trunked) conventional channels
Signalling	1200/2400 baud FFSK
Network Compatibility	UK ~ MPT1327/1343 France ~ 3RP (CNET2424) Australia ~ MultiAx, MPT1343 Germany ~ Chekker (Regionet 43) Netherlands ~ Traxys (NL1343)
Multiple Networks	Two networks and PMR configuration

*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](http://www.teamsimoco.com)

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Team Simoco Ltd  
Field House  
Uttoxeter Old Road  
Derby DE1 1NH  
England

Tel: +44 (0) 1332 375500  
Fax: +44 (0) 1332 375666

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