



# Team Simoco

## SRM9000 ~ Mobile Radio

### FLEXIBLE MOBILE RADIO SOLUTIONS



Today's service organisations increasingly depend on efficient mobile communication solutions – essential for linking and supporting staff in business and government, transport, distribution, security, manufacturing, public safety and the emergency services. The Simoco SRM9000 family of analogue mobile radios meet this need for high quality, flexible solutions.

From the simplest voice communication to the most demanding system requirement, there's a Simoco SRM9000 mobile radio that's just right for your business or particular application.

### Advanced Applications

For the ultimate in flexibility and productivity, the Simoco SRM9000 platform permits connection to a number of advanced applications.

With its dual mode capability, users can roam between local PMR and national trunked systems. Adding an integral GPS receiver and modem means vehicles fitted with an SRM9000 can be tracked and located by satellite – important for safety and productivity. Speech security can be achieved through encryption modules and covert operations are possible through a hidden microphone and alarm functions. Users can establish remote line control of the SRM9000 via an M80 interface, and operate two radios in base station repeater mode.

- Common transceiver for all models
- Conventional or Trunked in a single unit
- 4 interchangeable control heads
- Designed for integrating advanced applications
- Flexible mounting options
- All PMR frequency bands covered
- Voice and Data
- Scrambling
- Range of option boards
- SRM9030 - Full graphic display



SRM9022



SRM9005



SRM9030



SRM9010



SRM9020

SRM9000





## SPECIFICATIONS

# Team Simoco

|                         | SRM9005              | SRM9010              | SRM9020   | SRM9022  | SRM9030  |
|-------------------------|----------------------|----------------------|---|--|--|
| <b>CONTROL</b>          | External map27       | Controller Mic       | Controller Mic                                    | Keypad Display Handset   | Control Head and Mic   |
| <b>DISPLAY</b>          | N/A                  | 7-Segment LED        | 6-Digit LCD                                       | 2 x 12 dot matrix  | 8 x 14 dot matrix  |
| <b>PMR CHANNELS</b>     | Up to 1000           | 10                   | 100   | 1000   | 1000   |
| <b>SCAN &amp; VOTE</b>  | 124gp x 16ch         | 10gp x 16ch          | 124gp x 16ch                                      | 124gp x 16ch   | 124gp x 16ch   |
| <b>TRUNK ADDRESS</b>    | N/A                  | 10                   | 250   | 250  | 250  |
| <b>SIGNALLING</b>       | CTCSS, DTMF, Selcall | CTCSS, DTMF, Selcall | CTCSS, DTMF, Selcall, Dual 250 entry status lists | CTCSS, DTMF, Selcall, Dual 250 entry Phonebook and 100/32 entry status lists | CTCSS, DTMF, Selcall, Dual 250 entry Phonebook and 100/32 entry status lists |
| <b>FUNCTION BUTTONS</b> | N/A                  | 1                    | 6   | 12-button keypad, 4 programmable buttons                                     | 12-button keypad, 6 programmable and 2 dedicated call buttons                |
| <b>HANDSFREE (VOX)</b>  | N/A                  | Option               | Option  | Yes  | Option   |

### 1. General

|                       |   |
|-----------------------|---|
| Channel Spacing       | 12.5, 20 or 25kHz selectable per channel  |
| Frequency Bands       | E0 ~ 66-88MHz: AC ~ 136-174MHz: K1* ~ 174-208MHz:<br>R1 ~ 335-375MHz: UH ~ 440-520MHz: TU ~ 400-480MHz:<br>* subject to availability                            |
| Operating Temperature | -20° C to +55° C Operating (Full Spec.) -40° C to +80° C storage  |
| Antenna Connector     | 50Ω BNC   |
| Environ. Protection   | MIL810  |
| Inputs/Outputs        | Ignition sense input, PTT, Carrier Detect, On/Off   |
| Trunked Operations    | MPT1327/1343 (1024 channels), 250 entry phonebook, Normal, Priority, Emergency, Group, Broadcast, Diversion, Busy and Queued Status Calls, Abbreviated dialing. |
| Type Approval         | ETS300 086 Radio, ETS300 113 Data, ETS300 279 EMC, ETS300 219 Sig.  |

### 2. Transmitter

|                          |   |
|--------------------------|---|
| Transmit Power           | 2-level (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       | <25mSec   |

### 3. Receiver

|                      |   |
|----------------------|---|
| Sensitivity          | 12db SINAD for 0.30μV <sub>pd</sub> (typically >20db for 25kHz channel) |
| Selectivity          | >73db (25kHz), >63db (12.5kHz)  |
| Intermodulation      | >65db (ETS method)  |
| Audio Freq. Response | ±3db of de-emphasised 300 to 3000Hz with CTCSS                          |
| Audio Output         | 4W into 4Ω at <5% distortion (link for 10W into 8Ω)                     |
| Blocking             | >95db at ±1MHz  |
| Hum and Noise        | >40db (12.5kHz)   |

*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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