Simoco P25 Digital
Your Partner in Public Safety Communications
Emergency services rely on resilient radio systems with coverage in harsh conditions and remote often inaccessible areas. Simoco Wireless Solutions’ consultative approach means that emergency services agencies such as police, fire and ambulance benefit from radio systems that work according to their operational requirements. Our extensive P25 product range is trusted by public safety

- Simoco P25 radios, infrastructure and AVL systems provide affordable, robust communication and tracking solutions with a wide range of options and functionality.
- Mobile and portable P25 terminals are all recognised under the P25 Compliance Assessment Program (CAP) ensuring interoperability.
- Unique Xmode software and configuration upgradability, enabling multiple radio modes such as PMR, TMR, analogue and digital trunking from a single terminal.
- P25 upgradable option offers users a clear migration path.
- Intelligent IP enhanced infrastructure, which is easy to deploy, expand and manage.
- Simoco simulcast infrastructure incorporating both the RF transmitter / receiver and the simulcast voting controller.
- P25 Automatic Vehicle Location (AVL) package provides GIS based vehicle tracking and fleet monitoring.
The compact, ruggedised design of the SRP range of portable radios makes them the perfect handheld radios for mission critical users in the most demanding of environments.

- Unique Xmode software and configuration upgradability, allowing operation on analogue, MPT1327 trunking, P25 conventional and P25 trunking systems.
- Supports conventional, trunking, voting, status and short messaging.
- Ruggedised, robust construction for demanding field use.
- Supports 1500 P25 conventional channels and up to 5 programmable P25 trunked networks.
- IP67 rating on the SRP9180 and SRP9170 offers protection against dust and water.
- DES-OFB and AES Digital encryption supported.
- Highly programmable function buttons.
- Safety and emergency functions such as Stun, GPS/Man Down and Emergency Alarm.
- Multi-vendor compatible accessory connector supports current generation or legacy accessories.
- P25 Compliance Assessment Program (CAP) Compliant.
P25 Digital Mobile

The SRM9000 mobile radios have evolved to address the needs of the emergency service markets with a high level of functionality and customisation.

- Unique Xmode software and configuration upgradability, allowing operation on analogue, MPT1327 trunking, P25 conventional and P25 trunking systems.
- Ruggedised, heavy duty construction for reliability in all vehicle types.
- Multiple choice of control head or control microphones depending on user requirements.
- DES-OFB and AES digital encryption supported.
- Safety and emergency functions such as Stun, GPS and Emergency.
- P25 Compliance Assessment Program (CAP) Compliant.
- Supports dual control head single radio or single control head dual radio configurations.
- In band or cross band repeat options.

Common Transceiver

All mobile units feature a common transceiver platform which enables multiple control heads.

- SRM9022 – 1500 channel controller microphone with multi-line, numeric keypad and six function keys.
- SRM9030Plus control head – 1500 channel console with multi-line display, numeric keypad and six function keys.

P25 Option Boards

For systems or special applications, a range of SRM9000 Option Boards can be fitted. These include:

- GPS Tracking Board.
- Audio/Serial External Interface.
- Balanced 600 Audio Interface.
- Dual Mobile Repeater (Dual Mobile Application Processor - DMAP).
Control Head Options

SRM9022
In a choice of four different colours

OR

SRM9030Plus control head & control Mic
Option of standard or keypad mic

WITH

SRM9000 Radio Transceiver
Simoco Wireless Solutions has a range of base stations to meet all P25 Conventional system needs. From a single talk-through repeater to a wide area P25 simulcast and voting network, the SB2025NT series is the scalable solution.

**SB2025NT-C**
A basic talk-through repeater capable of operating in dual analogue and digital modes housed in a compact 3.5 inch subrack.

**SB2025NT-T/N**
For network applications, the SB2025NT-T/N features an integrated P25 simulcast and voting controller in a networkable 3.5 inch high subrack. The P25 standardised DFSI interface allows the SB2025NT-T/N to interoperate with several vendors’ dispatch consoles. All bases use an IP interface for intersite linking.

**SB2025NT-T/N Features**
- Digital fixed station interface (DFSI).
- IP network interfaced 4 wire console interface.
- Multiple Traffic Managers for system redundancy.
- Compact all in one form factor.
- IP site interconnected.
- Fast call setup.
- Wide range of bands available.
- 100 Watt transmitter.
- Each traffic manager supports up to 32 stations and 4 simulcast channels.
- Analogue and digital dual mode.

**SB2025NT-T/N Network**

![Diagram of SB2025NT Series Base Station](image)
The Simoco SRB250 Suitcase Repeater is a flexible and fully customizable platform for rapid deployment or transportable mobile applications. The SRB250 provides stand alone “green field” communications or extends existing Public Safety systems, as well as offering deployable “on demand” coverage for vehicle and portable radio users in VHF, UHF, or both, in P25 mode.

**Features**
- Ruggedized P25 repeater
- Rapid deployment
- P25 transparent repeat function, repeats encryption intact, regenerates P25 frames
- Inbuilt duplexer
- Simple deploy and repeat mode (single button, closed box)
- High duty cycle operation with open lid, generously heat sunked power amplifier
- 25 Watt transmit power
- Battery state of charge LED indicators
All specifications are subject to change without prior notice.