

# SRG3900

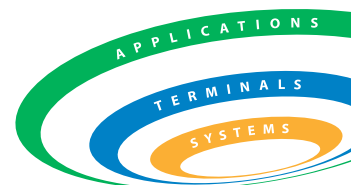
## MOBILE RADIO



A fully-featured TETRA mobile radio, the SRG3900 offers a wide range of installation options, dual remote console support, an intuitive user interface, missed event notifications and short data application (SDA) support.

**sepura**

Going further in critical communications



# SRG3900 CONSOLE OPTIONS



HANDSET BASED CONSOLE



SCC BLACK BEZEL



SCC BLUE BEZEL

## Extends radio coverage

A 10W RF TETRA engine, and the most proven gateway and repeater technology on the market, extends communication into areas previously beyond network coverage.

## Improved ease of use

With three presentation styles – grid, list and compatibility mode – the SRG3900 uses the same enhanced user interface as the STP9000 and STP8X, reducing the need for retraining.

Customer-defined smart menus give intuitive access to hundreds of soft key features. Related functions can be grouped together, allowing features to be activated quickly with no need to remember complicated key combinations.

## Reduced cost of ownership

The SRG3900's compatibility with all accessories from the SRG3500 range, the Radio Manager 2 fleet management tool and the CMC encryption management suite allows you to maximise the value of existing investments.

## Short Data Applications (SDAs)

Built and deployed on Radio Manager 2, SDAs permit the user to simply and intelligently interact with a back-end IT system, allowing the automation of work flows, job allocation and remote control.

## WAP and SDS URL shortcuts

SDS text messages now support URL shortcuts that allow the user to browse images and text, organised into a convenient and intuitive WAP site. Accessed over the TETRA network, these sites allow the rapid dissemination of data, such as missing person information.

## Sepura Picture Message

Sepura Picture Message allows the radio to securely receive images and any associated text, permitting simultaneous distribution to multiple user groups via SDS.

## GPS and Glonass satellite tracking

Uniquely, the SRG3900 integral GPS module tracks both GPS satellites and the Glonass satellite network. Together with the latest **SBAS differential GPS support** and **CW anti-jamming** technology, this provides a **greater degree of accuracy and security**, and allows precise location of resources.

When a team is operating on DMO with the SRG3900 functioning as a network Gateway, it will automatically translate any received GPS location messages so that DMO users of Sepura handhelds can continue to be tracked.

## Macro keys

Allow a complex sequence of functions to be combined and activated at the touch of a single key.

## Status triggered functions

Facilitate the remote control of SRG3900 over-the-air, from an authorised Sepura radio or backend control system.

## Network Performance monitoring

The SRG3900 can be remotely interrogated for a report on the signal level, location, neighbour cells and data latency of a TETRA network, allowing monitoring and auditing of the network service quality.

## Enhanced user safety

Fully-configurable emergency call behaviour includes live microphone, emergency status messaging and GPS/Glonass location reporting options.

## Flexible installation

Multiple installation options are supported, allowing tailored use in a variety of vehicles and scenarios:

- **Transceiver only** for remote RCU/SCADA telemetry operation.

### > Powerful

- Class-leading 10 Watts RF power
- Gateway licence-enabled option brings network coverage to groups of DMO users
- Repeater licence-enabled option extends off-network coverage
- Loud, clear audio: 8W audio drive, allowing two speakers to be driven<sup>7</sup> plus up to 2x1W of additional audio drive available via speaker mics or speaker handsets attached to up to two SCC1 colour consoles

### > Flexible

- Backwards compatible with existing Sepura mobile installations
- Multiple installation options: transceiver only, dual console, virtual console, handset-based console
- Audio presentation options support PA broadcast, local recording and third-party radio equipment
- Additional features available via feature licence codes

### > Intelligent

- Short data application and WAP support
- Night mode for easy, low-glare viewing
- Over-the-air remote control via Sepura status-triggered functions
- Macro key support
- Performance monitoring for network analysis
- Combined GPS, Glonass tracking with differential GPS and 'predictive ephemeris' support
- Over-the-air remote control via Sepura status-triggered functions
- Variety of encryption options
- Performance monitoring feature facilitates network analysis



VIRTUAL CONSOLE SCREEN

- **Single console** for car-, motorcycle-, marine-, desk-, air-<sup>1</sup> and rack-based solutions.
- **Dual console** for larger vehicles and train<sup>1</sup> installations that require multiple control points, each of which can be mounted up to 30m away from the transceiver. With automatic screen resolution and colour adjustment to cater for differing consoles<sup>4</sup>

**Control heads to suit your needs** Sepura offers the widest range of control heads on the market, each designed to match varying user needs.

- SCC1: high-resolution colour console, IP54 certified, AMPS or DIN slot mounted
- SCC2: high-resolution colour console, IP67 certified, dustproof and waterproof
- HBC2: space-saving, high-resolution colour handset-based console, IP55 certified
- HCU: IP67 certified handlebar mounted control unit
- Virtual console: integrates SRG3900 control from a PC/tablet running Microsoft Windows
- Air approved consoles<sup>1</sup>
- Embedded car consoles

#### Specialist options

An international market leader within the TETRA policing, security and surveillance markets, Sepura has created a number of specialist options maximising the potential of the SRG for these sectors:

- Full and semi-covert installation solutions
- Suitcase-transportable variants

- Remote crypto smart-card reader
- Tamper-proof security processors and a range of software licence-enabled E2E encryption options<sup>3</sup>

#### Direct mode gateway

Extending network coverage to DMO teams.

#### Improved coverage

Links groups of users operating off-network in direct mode with the trunked TETRA radio network, extending coverage into network dead spots.

#### Intelligent communication

With Sepura Intelligent Call Conversion, the calling party only needs to call the TETRA identity of the SRG3900. Once switched to DMO gateway mode, the SRG3900 automatically converts and relays the incoming call or message to the associated team of direct mode users.

#### Operational effectiveness

Status messaging and SDS-based messaging, including text and GPS location reports, are seamlessly transferred between the network and direct mode users. A control room dispatcher is able to track the positions of individual users.

#### Extended coverage

Where no network coverage is available, the 10 watt DMO repeater allows multiple direct mode users to exchange voice and data messages over a wider area with increased reliability. The DMO repeater is ETSI-compliant Type 1A, and uses a single frequency, saving scarce spectrum.

Note: Direct mode gateway and repeater services are enabled by a feature licence code.

