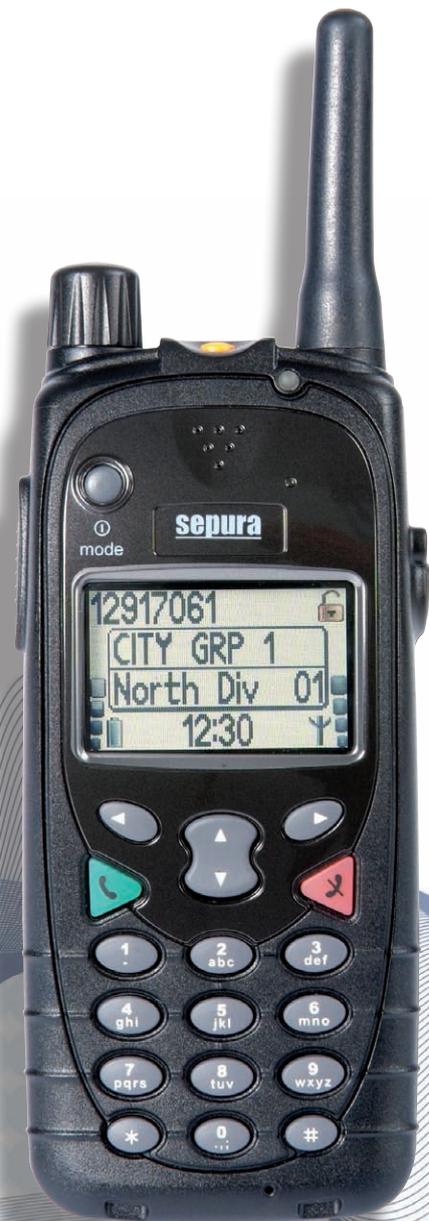


SRH3900 HAND-HELD RANGE

Available as the SRH3900 or SRH3900 sGPS™, this radio is the latest addition to the proven SRH3000 range of compact, rugged hand-held radios. Designed and built to exceed IEC529 IP54 standards, the SRH3900 withstands day to day use in some of the harshest environments found in the public safety, military, transport, and utilities markets.

- Large, high resolution colour display, viewable in all light conditions
- Loud, clear audio
- Extensive data capability
- A user interface supporting Latin, Arabic, Cyrillic, Chinese and Korean character sets.
- Integrated End to End (E2E) encryption hardware, activated via a software upgrade.
- Optional, ultra-sensitive GPS option, the SRH3900 sGPS™
- DMO repeater capability (enabled via software licence) allows full call participation when the repeater is in use.
- Supported by a full set of programming and configuration software tools: SKMS, Radio Manager, plus Crypto key management tools.



EMERGENCY OPERATION
THE EMERGENCY KEY IS LOCATED ON THE TOP OF THE RADIO IN A RECESS BETWEEN THE NAVI-KNOB™ AND THE ANTENNA - FACILITATING EASE OF ACTIVATION AND ENHANCING USER SAFETY.

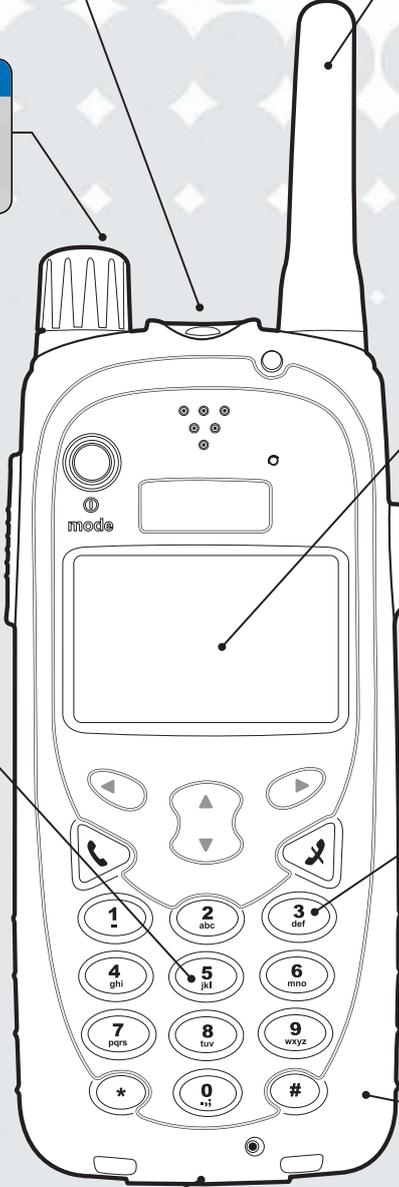
ANTENNA
RANGE OF ANTENNAS SUPPORTS BOTH OVERT AND SEMI COVERT OPERATION.

NAVI-KNOB™ OPERATION
WHEN USED IN COMBINATION WITH THE MODE KEY, PROVIDES QUICK ACCESS TO TALKGROUPS, VOLUME ADJUSTMENT, USER PROFILE SELECTION AND STATUS MESSAGING.

HI-RESOLUTION TRANSFLECTIVE SCREEN
HIGH CONTRAST DISPLAY WORKS UNDER ANY LIGHTING CONDITION. COLOUR DISPLAY WHEN BACKLIGHT IS ON - AND GREYSCALE WHEN BACKLIGHT IS OFF.

ERGONOMIC KEYPAD
LARGE, WELL-SPACED KEYS, TO ENSURE EASY, ACCURATE, OPERATION - EVERY TIME.

FEATURE ACTIVATION KEYS
PROVIDE INSTANT ACCESS TO FEATURES VIA A SINGLE KEY PRESS - USED FOR RAPID NAVIGATION THROUGH THE USER MENU.



CONNECTOR
LOCKABLE AND SECURE ACCESSORY CONNECTOR.

DMO REPEATER OPTION
UNIQUE ON SEPURA HANDHELD, COVERT AND GATEWAY RADIOS. 'REPEATS' DIRECT MODE VOICE AND DATA TRAFFIC, EXTENDING GEOGRAPHICAL COMMUNICATION RANGE BETWEEN PARTICIPATING RADIOS.



Fully featured TETRA radios with a large, high resolution colour screen

Key Features:

- High resolution screen with 65K colours
- Privacy screen option
- Fully integrated GPS module and antenna (SRH3900 sGPS™)
- Lockable, robust accessory connector.
- Emergency call function, with programmable open microphone, status destination and, if available, GPS location report
- Lone Worker alert
- Audio Boost, Noise cancelling audio enhancements
- Full menu navigation whilst active in call
- Rapid change intelligent battery packs
- Single key activation for up to 12 pre-configurable functions
- Real time clock display
- E2E encryption hardware ready
- DMO Repeater ready (frequency efficient Type 1A option) with Call Participation

SRH3900 Hand-held:

The SRH3900's transfective ¹TFT, high-resolution display is clearly visible under all lighting conditions, from complete darkness to the brightest, direct sunlight. A colour display is presented when the backlight is switched on - reverting to a very clear (power-saving) greyscale display when the backlight is off.

The SRH3900 hand-held offers a large viewable display area of 6 lines of 24 characters each, and uniquely, all text can be displayed in large format (double normal size) to give better legibility when, for example, being used in a car kit.

The User Interface (UI) of the SRH3900 range is common to the Sepura product portfolio, reducing the training requirements and allowing users to operate fixed and handheld equipment with equal ease and confidence.

The Sepura UI is specifically designed for the user to quickly access the features of the radio. Programmable Soft Keys and configurable User Profiles allow more complex functionality to be activated with a single key press.

Like all Sepura radios, the SRH3900 has loud, clear audio. Features such as Group Focus and Privacy Mode allow a user to further control the audio presentation to meet their operational situation.

Battery fitting is both secure and robust, yet so fast and simple that a user can facilitate a change with one hand. Once the changeover is complete, the radio automatically reverts to its previous settings, without the inconvenience and delay of a start-up routine.

A lockable facility connector, located at the base of the radio, provides a secure, sturdy connection to voice accessories and external data devices.

Comprehensive support for TETRA data services means both onboard and externally hosted data applications can send and receive information, using SDS or higher bandwidth multi-slot packet data services – further enhanced by Sepura's built-in Short Data Applications software and WAP capability.

The SRH3900 has been designed to address the problem of eavesdropping, offering tamper proof security hardware, including a smart card connector. E2E encryption is conveniently enabled via a simple software upgrade.

The SRH3900 sGPS™ incorporates a highly sensitive award winning GPS receiver capable of processing extremely low strength GPS signals. This means that 'clear sight of sky' signals from GPS satellites are no longer essential. The GPS receiver is able to provide accurate positioning even in some buildings. In addition to the standard position reporting, the radio can send its current GPS location when the Emergency Call or Lone Worker function is initiated. The hand-held can be configured, via Radio manager, to signal Location report information in either the ETSI Location Information Protocol (LIP), Sepura Compact or NMEA protocol.

Further performance enhancements such as Position Assist, over the air management of the reporting parameters and location reporting to multiple addresses ensure that users are safely served by Sepura's leading suite of location-based capabilities.

The radio's DMO repeater (Type 1A) capability can be swiftly enabled via a simple software update. While in DMO mode, 'Call Participation' allows the radio user to join in speech calls, in the normal way – thereby remaining fully operational in addition to extending the radio coverage of the group.

Finally, the SRH3900 is fully compatible with the extensive range of 3000 series accessories and battery chargers.

¹ This is an LCD technology in which the pixels are illuminated from both the front and back of the screen combining the transmissive and reflective illumination technologies.



SRH3900 SPECIFICATIONS

GPS RECEIVER (SRH3900 sGPS™) Fully Integrated GPS receiver - 182dBW (-152dBm) acquisition sensitivity - 185dBW (-155dBm) tracking sensitivity ETSI Location Information Protocol (LIP) Sepura Compact and NMEA protocol support Position Assist Over the Air GPS management Location reporting to two identities Position & Direction Display ¹	DISPLAY 128 X 128 pixels, Trasflective TFT screen with 65,536 colours Wide viewing angle and readable in complete darkness to bright sunlight Active area of 37 mm X 23 mm Large Text option (double the standard size) Invert screen Text Configurable backlight intensity Screensaver Privacy screen	DATA SERVICES Status Messaging Short Data Service Messaging SDS via DMO Gateway Circuit Switched Data Calls Multi Slot Packet Data Text Message Data Store Wireless Application Protocol (WAP)
SECURITY Authentication – Infrastructure initiated and made Mutual by the radio TMO and DMO Air Interface Encryption TEA1, TEA2 , TEA3 and TEA4 options ³ Security Class 1, 2 and 3 support PIN and PUK Entry Software Authenticity and protection employing Digital Signature Fully Integrated End 2 End hardware with tamper protection Public & private Algorithm E2E support enabled via software upgrade ² Integral SIM connector Temporary Disable/Enable Permanent Disable	FREQUENCY BANDS 380 - 430MHz	OTHER FUNCTIONS AND FEATURES Support for up to 3000 pre-programmed Talk-groups, and in any combination of TMO or DMO talk groups Up to 50 Dynamic Group Number Assignment (DGNA) and supporting Lifetime Timers Efficient management of talk-groups using, up to 255 Folders with up to 75 talk-groups per Folder ¹ Talk-group Folder Management via PEI and SDS Fixed and User Defined Talk-group Scan Lists Priority Group Scanning with support for Background groups Fast Talk-group Access supports up to 5 TMO and 5 DMO groups Telephone and Radio user Address Book (2000 entries) across 64 Folders Call History with Missed Call alerts. Transmit Inhibit (TXI) with On/Off Status messaging DMO Group and Emergency Calls. DMO Gateway Interoperability supported. ETSI compliant PEI port. AT-command interface for external applications Short Data Application support User Profiles including Pager capability Remote control via Status triggered functions
WEIGHT Radio Without Battery: 143g With Standard Battery: 214g With High Capacity Battery: 247g	POWER 1W RF Power (customisable) Adaptive Power Control supported RF power control in 3 steps of 5dB	ACCESSORIES & SUPPORT TOOLS Comprehensive range of accessories, which includes a Car Kit, and both mains and in-vehicle battery chargers
DIMENSIONS Height: 130mm Width: 58mm Depth: 30mm	RECEIVER (CLASS A) -112dBm static sensitivity -103dBm dynamic sensitivity	
	ENVIRONMENTAL Dust & Water protection to IEC529 IP54 (Cat. 2) ETS 300 019 Drop & Vibration Storage Temp -40°C to +85°C Operating Temp -20°C to +60°C	
	POWER SUPPLY 7.4V (nominal) Lithium Ion Intelligent Battery packs - 1230mAh Standard Pack 1900mAh High Capacity Pack Hot battery swap ¹	
	VOICE SERVICES SUPPORTED Full Duplex Calls (to MS and PABX/PSTN) Half Duplex Calls (Individual and Group) Late Entry Priority Call Emergency Call (Pre-emptive Priority Call) Talking Party Identity Calling Line Identity Presentation DTMF Dialling Ambience Listening Privacy Mode Whisper Mode Group Focus	

- 1 - Further information available on request
- 2 - Functionality is subject to an export licence
- 3 - Please contact Sepura Sales re option availability

Sepura's policy is to continually improve its products and services. The features and facilities described in this document were correct at publication, but are subject to change without notice.