

SRH3800 HAND-HELD RANGE

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

- A user interface supporting European, Arabic, Cyrillic, Chinese and Korean character sets
- Fully integrated, ultra-sensitive and award winning GPS in the SRH3800 sGPS™
- Full set of programming and configuration software tools – SKMS and Radio Manager
- End to End encryption is hardware enabled requiring only a software upgrade to be activated
- Supports repeater functionality



3000 SERIES

sepura



Smallest, lightest, rugged hand-held radios

Key Features:

- Fully integrated GPS module and antenna. Applies to the SRH3800 sGPS™
- A lockable accessory connector
- Emergency call function, with programmable open microphone, status destination and, if available, GPS location
- Lone worker alert using the same parameters as an emergency call
- Backlight on all individual calls
- Audio Boost
- Full navigation in calls
- Fast change intelligent battery packs
- Single key activation for up to 14 pre-configurable status codes
- Real time clock
- E2E encryption enabled

SRH3800 Hand-held:

The SRH3800 hand-helds are the smallest, lightest, rugged hand-held radios available in the market today. Designed and built to meet IEC529 IP54 standards, they will withstand day to day use in some of the harshest environments found in the public safety, military, transport, and utilities markets.

The SRH3800 hand-helds offer a large viewable display area of 6 lines of 24 characters. The high resolution colour display has a unique feature: all text can be displayed in large format (double normal size) making it easier for the user to read, such as when body worn or in a car kit.

The battery fitting is both secure and robust, yet it is made so straightforward that, without having to look at the radio, the battery can be changed with one hand. To allow the user to continue immediately with their operations the hand-helds return to their previous state after the battery change without the need to enter a start-up routine.

The User Interface (UI) of the SRH3800 range is common to the Sepura product portfolio, thus reducing training requirements. It has been specifically designed for TETRA and enables the user to quickly access the features of the radio.

Applications can send and receive information using packet data from data terminals such as a PDA connected to the radio. A lockable PEI connector is located at the bottom of the radio to provide a secure and reliable connection.

The SRH3800 range has been built to address security by including a tamper proof security processor and a smart card connector. E2E encryption can be implemented by a software upgrade.

The SRH3800 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 and the GPS receiver is able to provide accurate positioning even in some buildings. In addition to the standard position reporting, the hand-held can send its current GPS location when the Emergency Call or lone worker alert is initiated. Ensuring that the position of a user is known will enable appropriate resources to be swiftly deployed when assistance is required.



SRH3800 SPECIFICATIONS

GPS RECEIVER (SRH3800 SGPS™)	RECEIVER (CLASS A)	REPEATER SERVICES
Fully Integrated sGPS™ receiver –182dBW (-152dBm) acquisition sensitivity –185dBW (-155dBm) tracking sensitivity	–112dBm static sensitivity –103dBm dynamic sensitivity	Repeats DMO voice and tone signalling on selected talk group
SECURITY	ENVIRONMENTAL	Repeats SDS and Status messaging on selected talk group
End 2 End Architecture with tamper protection Fully integrated hardware solution, enabled via software upgrade Integral SIM connector	Dust & Water protection to IEC529 IP54 ETS 300 019 Drop & Vibration Storage Temp -40°C to +85°C Operating Temp -20°C to +60°C	ETSI Type 1A DMO Repeater for channel efficient operation
WEIGHT	POWER SUPPLY	Transmission of Repeater Presence signal
Radio Without Battery <143g With Standard Battery <214g With High Capacity Battery <247g	7.4V (nominal) Lithium Ion Intelligent Battery packs - 1130mAh Standard Pack 1850mAh High Capacity Pack	Priority Call
DIMENSIONS	VOICE SERVICES	Emergency Call (Pre-emptive Priority Call)
Height: 130mm Width: 58mm Depth: 30mm	Full Duplex Calls (to MS and PABX/PSTN) Half Duplex Calls (Individual and Group) Priority Call Emergency Call (Pre-emptive Priority Call) Talking Party Identity Calling Line Identity Presentation DTMF Dialling	Supports E2E Encrypted DMO traffic
FREQUENCY BANDS	DATA SERVICES	Monitoring of and participation in calls whilst in Repeater mode
300 - 344MHz ¹ 350 - 372MHz ¹ 380 - 430MHz 440 - 473MHz 806/825 paired with 851/870MHz	Status Messaging Short Data Service Messaging Circuit Switched Data Calls Multi-slot Packet Data Text Message Data Store	Configurable Repeater power levels
POWER		OTHER FUNCTIONS AND FEATURES
1W RF Power (customisable) Adaptive Power Control supported RF power control in 3 steps of 5dB		Support for 2000 Talkgroups, with any combination of TMO or DMO groups. Easily managed via Talkgroup folders
		Fixed and User Definable Talkgroup Scan Lists
		Dynamic Group Number Assignment including lifetime timers
		Telephone and Radio user Address Book
		Call History
		Late Entry
		Authentication – Mutual and SwMI initiated
		Air Interface Encryption TEA1, TEA2, TEA3 and TEA4 supported
		Transmit Inhibit (TXI) with on/off Status messaging
		DMO Group and Emergency Calls
		DMO Gateway Interoperability supported
		ETSI compliant PEI port

1 – Further information available on request

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.