

SRH3500 HAND-HELD RANGE

Fully featured TETRA radios with a large, greyscale screen

- A user interface supporting European, Arabic, Cyrillic, Chinese and Korean character sets
- Fully integrated, ultra-sensitive and award winning GPS in the SRH3500 sGPSTM
- 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 SRH3500 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

SRH3500 Hand-held:

The SRH3500 hand-helds are the smallest, lightest, rugged hand-held radios available in the market today. Designed and built to meet IEC529 IP54 standards, they withstand day to day use in some of the harshest environments in the public safety, military, transport, and utilities markets.

The SRH3500 hand-helds offer a large viewable display area of 6 lines of 24 characters. The greyscale screen can display 16 shades of grey. These shades give a resolution that will allow the user to display maps and photographs. The SRH3500 range, like all Sepura hand-helds, has a unique feature: all text can be displayed in large format (double normal size) to give better legibility, whether 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 users 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 SRH3500 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 SRH3500 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 SRH3500 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.



SRH3500 SPECIFICATIONS

GPS RECEIVER (SRH3500 SGPS™) Fully Integrated sGPS™ receiver –182dBW (-152dBm) acquisition sensitivity –185dBW (-155dBm) tracking sensitivity	RECEIVER (CLASS A) –112dBm static sensitivity –103dBm dynamic sensitivity	REPEATER SERVICES Repeats DMO voice and tone signalling on selected talk group
SECURITY End 2 End Architecture with tamper protection Fully integrated hardware solution, enabled via software upgrade Integral SIM connector	ENVIRONMENTAL 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	Repeats SDS and Status messaging on selected talk group ETSI Type 1A DMO Repeater for channel efficient operation Transmission of Repeater Presence signal Priority Call Emergency Call (Pre-emptive Priority Call) Supports E2E Encrypted DMO traffic Monitoring of and participation in calls whilst in Repeater mode Configurable Repeater power levels
WEIGHT Radio Without Battery <143g With Standard Battery <214g With High Capacity Battery <247g	POWER SUPPLY 7.4V (nominal) Lithium Ion Intelligent Battery packs - 1130mAh Standard Pack 1850mAh High Capacity Pack	OTHER FUNCTIONS AND FEATURES
DIMENSIONS Height: 130mm Width: 58mm Depth: 30mm	VOICE SERVICES 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	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
FREQUENCY BANDS 300 - 344MHz ¹ 350 - 372MHz ¹ 380 - 430MHz 440 - 473MHz 806/825 paired with 851/870MHz	DATA SERVICES Status Messaging Short Data Service Messaging Circuit Switched Data Calls Multi-slot Packet Data Text Message Data Store	
POWER 1W RF Power (customisable) Adaptive Power Control supported RF power control in 3 steps of 5dB		

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.