SRH3500 Hand-held Range

- A user interface supporting European, Arabic, Cyrillic, Chinese and Korean character sets

- Fully integrated, ultra-sensitive and award winning GPS in the SRH3500 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

Fully featured TETRA radios with a large, greyscale screen

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.

sepura

for more information visit **www.sepura.com**

SRH3500 Hand-held Range

- 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 12 pre-configurable status codes

- Real time clock

- E2E encryption enabled

TECHNICAL DATA

GPS Receiver (SRH3500 sGPS™)
- Fully Integrated sGPS™ receiver
- -182dBW (-152dBm) acquisition sensitivity
- -185dBW (-155dBm) tracking sensitivity

Security
- End 2 End Architecture with tamper protection
- Fully integrated hardware solution, enabled via software upgrade
- Integral SIM connector

Weight
- Radio without battery: 143g
- With Standard battery pack: 214g
- With High Capacity battery pack: 247g

Dimensions
- Height: 130mm
- Width: 58mm
- Depth: 30mm

Frequency Bands
- 300 - 344MHz[1]
- 350 - 372MHz[1]
- 380 - 430MHz
- 440 - 473MHz
- 806/825 paired with 851/870MHz

Power
- 1W RF Power (customisable)
- Adaptive Power Control supported
- RF power control in 3 steps of 5dB

Receiver (Class A)
- -112dBm static sensitivity
- -103dBm dynamic sensitivity

[1] Further information available on request

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

Power Supply
- 7.4V (nominal) Lithium Ion Intelligent Battery packs -
  1130mAh Standard Pack
  1850mAh High Capacity Pack

Voice Services Supported
- 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

Data Services
- Status Messaging
- Short Data Service Messaging
- Circuit Switched Data Calls
- Packet Data
- Text Message Data Store

Repeater Services
- Repeats DMO voice and tone signalling on selected talk group
- 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

Note: Repeater services are an option enabled by a feature license code

Other Functions and Features
- 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