

SRM3500 Mobile

- 10 Watts RF Power (customisable in TMO or DMO)
- Support for 2 control heads and 2 PEI data ports
- 6 remote soft keys accessed using a 2 wire interface
- Optional GPS module – integral within the transceiver
- Tamper proof or smart card E2E encryption options



Fully featured and configurable mobile radios.

The SRM3500 Mobile Radio is the most configurable mobile in the market today. It provides a solution to any operational requirement, thanks to its dual data, dual console and digital I/O capabilities. It can be configured for use in many vehicles including cars, trains, ambulances and fire appliances. As a standalone transceiver, it can be used as a data modem, for telemetry or for remote alarms. All the transceiver interfaces, including the console, are available for use by third parties.

The SRM3500 is based on the 3000 series architecture and provides the same security features. It has been built to address security by including tamper proof security processors or a smart card connector. E2E encryption can be implemented by a software upgrade.

The Sepura Common User Interface has been retained on this product, giving dual advantages of easy integration into existing fleets whilst minimising user training. The SRM3500, like all Sepura radios, has a unique feature: all text can be displayed in large format (double normal size) to give better legibility. During an emergency call the display will change colour from red to green to indicate to the user when the terminal is transmitting or receiving.

The SRM3500 has been developed to support all data services currently specified in TETRA, namely Status, SDS, Circuit Mode Data and Packet Data. In order to support multi-slot operation and its associated high data rates, Sepura has designed the SRM3500 to support continuous four-slot operation, thereby achieving the maximum data rates available using TETRA.

The SRM3500 is designed with an integral GPS option. In addition to the standard position reporting, the mobile 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.

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TDS 151 SRM3500 DTS - ENGLISH - OCT05

for more information visit www.sepura.com

SRM3500 Mobile

Key Features

- Up to 12 I/O lines available – all can be activated by or activate status messages
- Support for AT command set
- Two physical data ports enable two data applications to be supported at the same time
- Remote soft key interface
- Transceiver only installation – for remote alarms, telemetry or as a TETRA modem
- Transceiver and console installation – with vehicle, motorcycle, marine or desk mount kits
- Transceiver and 2 console installation – for ambulance and fire vehicle installations Transceiver and remote keys installation – for covert and semi-covert use
- Transceiver and Applications Interface Unit – for 3rd party control of the transceiver and user interface
- Fixed desk mount, motorcycle and marine kits
- Common Sepura User Interface
- Large text mode – designed for easy readability in vehicles
- Optional GPS module – integral within the transceiver
- Emergency Key – separate from other keys
- Colour backlights in emergency calls
- Fully configurable emergency call behaviour including live microphone and status messaging options
- Customisable 'Press and Action' soft keys giving access to 12 different functions with optional help file
- Multi-lingual user interface: European languages plus Cyrillic, Chinese and Korean
- Full set of programming and configuration software tools – SKMS and Radio Manager



TECHNICAL DATA

All specifications are relative to +25°C unless otherwise stated.

Size and Weight

- Transceiver 980g - 180mm W x 54mm H x 110mm D
- Console 200g - 187mm W x 64mm H x 30mm D

Frequency Bands

- 300 - 344MHz¹
- 350 - 372MHz¹
- 368.5 - 400MHz¹
- 380 - 413MHz¹
- 400 - 433MHz
- 440 - 473MHz
- 806/825 paired with 851/870MHz¹

The Transceiver supports the full 30MHz bandwidth and allow Trunked (TMO) and Direct (DMO) mode frequency pairs to be allocated anywhere in the frequency band.

Power

- 10 watt RF Power output (Class 2)
- RF power adjustable in steps of 5dB
- Adaptive Power Control supported

Security

- Fully integrated E2EE hardware solution, enabled by software upgrade only
- Multi-Algorithm support for AES, iDEA and UK specific algorithms
- Additional Tamper Protection option
- Optional integral SIM connector for Smart Card solution

Environmental

- Dust & Water protection to IEC529 IP54
- ETS 300 019 -2-5 drop, vibration and humidity
- Storage Temp -40°C to +85°C
- Operating Temp -30°C to +70°C

Power Supply

- 10.8 to 15.6V DC, typical 13.8V DC

Console Display

- 128 x 64 pixels LCD display with coloured backlights
- Up to 6 lines of 24 characters displayed

Voice Services Supported

- Full Duplex Calls (to MS and PABX/PSTN)
- Half Duplex Calls (Individual and Group)
- Priority Call
- Emergency Call
- Pre-Emptive Priority Calls (levels 12 - 15) incoming and outgoing in all modes
- Broadcast Calls (incoming)
- Talking Party Identity and current Talkgroup displayed during every Group Call
- Calling Line Identity Presentation
- DTMF Dialling

Data Services

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

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
- Home Talkgroup
- Up to 200 Talkgroup folders
- Editable Favourites folder
- 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 or TEA4 supported
- Transmit Inhibit (TXI) with on/off Status messaging
- DMO Group and Emergency Calls
- DMO Gateway/Repeater Interoperability supported
- Priority Group Scanning
- Background Groups
- Temporary Disable (Stun)
- Permanent Disable (Kill)
- Tones and Alerts switched on or off via programmer
- Support for enhanced Site Fallback
- Support for 30 Network Codes

¹ Further information available on request