



SRP1000 TETRA Hand Portable Technical Data

GENERAL

Operation

Trunked and Direct Mode
Duplex and Half Duplex

Dimensions

Height: 165mm
Width: 62mm
Depth: 46mm

Power Supply

7.2V (nominal) rechargeable
1600mAh NiCd Standard Pack

Battery Life (1600mAh Pack)

up to 11 hours 3W
up to 17 hours 1W
Duty Cycle 5/20/75 (TX/RX/Standby)

1 Watt Radio Weight

Without battery ≈ 280g
With Standard Pack ≈ 550g

3 Watt Radio Weight

Without battery ≈ 390g
With Standard Pack ≈ 660g

Frequency Band

380–400MHz
410–430MHz
450–470MHz
806/825 paired with 851/870MHz
Full Bandwidth**

Receiver (Class A)

-112dBm static sensitivity
-103dBm dynamic sensitivity

Power and Audio Output

1W and 3W* RF Power
Power Control supported
500 mW Max Audio Output

Environmental

Dust & Water to IEC529 IP54
IEC68 Drop & Vibration
Operating Temp -20 to +55°C
Storage Temp -30 to +70°C

* Only for 380–400 and 410–430MHz Frequency Bands

** Not available for 806–870MHz

TETRA SERVICES

Voice Services Supported

Full Duplex Calls (to MS and PABX/PSTN)
Half Duplex Calls (individual and group)
Priority Call
Broadcast Calls
Emergency Call (Pre-emptive Priority Call)
Talking Party Identity
Calling Line Identity
DTMF Tone Dialing

Other Services and Features Supported

Status Messaging
Short Data Service Messaging
Circuit Switched Data Calls
Address Book
Message Data Store
Call History
Late Entry
Dynamic Group Number Assignment
Authentication
Air Interface Encryption (using TEA1 and TEA2)
TX Inhibit
DMO Gateway/Repeater Interoperability supported

USER INTERFACE

Rotary On-Off volume control
Menu Navigation Keys
Up/Down Talk Group & Direct Mode
Alphanumeric Keypad
14 Configurable Soft Keys

Emergency Key
Call/Clear Keys
Back-lit LCD 6 lines x 20 characters
Multi-coloured LED
Multi-lingual software support for user interface

ACCESSORIES

Dual Pocket Desktop Charger
Full range of carrying aids
Remote Speaker Microphone
Vehicle Adaptor with rapid charger

RS232 Data Cable
Programming Cable
Test Interface Unit

Sepura's policy is to continually improve its products and services. The features and facilities described in the brochure should be used for indicative purposes only and are subject to change without notice. © Sepura Limited 2002.

TDS 003
Issue 1 06/02

Sepura Limited

Radio House
St Andrew's Road
Cambridge CB4 1GR
United Kingdom
www.sepura.co.uk

Tel: +44 (0)1223 876000
Fax: +44 (0)1223 879000



SRP1000 Hand Portable

The professional SRP1000 Hand Portable from Sepura offers excellent TETRA performance and incorporates many unique features. The unit delivers reliable, efficient, and secure communications for the emergency services, utilities, transport and related market sectors.

UNIQUE FEATURES

Direct Data Connection – data connector fitted as standard.

Common User Interface with Sepura Mobiles – consistent interface with Sepura TETRA mobiles minimises user training requirements.

Smart Display – display is inverted when a Remote Speaker Microphone is connected.

Vibrate Feature for Lapel Microphone – allows discreet advice of incoming calls and additional alert in high ambient noise environment.

ALL THE BENEFITS OF TETRA

- Instantaneous call set-up
- Group and individual calls
- Flexible data capabilities
- Duplex and simplex speech

Trunked & Direct Mode support – allows communication with and without infrastructure.

PABX / PSTN (telephone) access – full duplex speech supported for ease of PABX and PSTN calling.

Text Messaging – easy-to-use text messaging adds equivalent functionality of a two-way alphanumeric pager.

Fastest data rate – giving maximum throughput with minimum operational delays. Transparent support of applications using industry standard serial interface and protocols.

Status – simple but flexible messaging allowing efficient communication of operator status.

Accessories – chargers, lapel microphone, carrying aids, vehicle adaptor, headset, programming station.

COST-EFFECTIVE SOLUTIONS

4 into 1 integration – the SRP1000 can provide the functionality of: a digital PMR radio; a cellular phone; an alphanumeric pager and a wireless modem (all with optional encryption) in a single cost-effective terminal.

DEPENDABLE COMMUNICATIONS

Extended battery life – all portables feature enhanced battery life for prolonged use.

High reliability – engineered to handle the toughest user requirements, the portable meets the IP54 standard.

SUPPORTING THE FUTURE OF TETRA

Simple upgrade path for future enhancements – Sepura's open architecture allows for easy upgrades and support of new features as they become available.

Full band coverage – SRP1000 offers full 20MHz receive and transmit operation (frequency band depending).

SECURITY

Encryption – the SRP1000 benefits from the inherent security of TETRA digital communications. For the professional user who requires greater security, there are encryption options available.

Covert operation – the standard product can be configured for discreet operation.

Protection against unauthorised use – simple yet secure authentication mechanism ensures access to the system is prohibited to unauthorised users. Remote disable is available if required.

Emergency operation – the SRP1000 features an easy-to-access alarm key and provides Emergency Call in both TMO and DMO.

EASY TO USE

Intuitive operation of all radio controls – proven through extensive research. Common interface with Sepura TETRA mobiles minimises user training.

Optimised user interface – featuring large, clear, back-lit display (6 lines x 20 characters).

High quality audio – optimised for best possible speech quality and intelligibility under all usage conditions.

Push-To-Talk operation – the SRP1000 can be used in the simplest push-to-talk manner for instant communications.