The STP9200 is the entry-level TETRA radio which offers the essential features that a user requires: powerful audio and RF, extreme ruggedness and simplicity of use. With an IP67 rating, this is truly a “go anywhere” radio; waterproof, submersible, dust-proof and marine-hardened.
Robustness – The STP9200 boasts an IP67 (submersible, waterproof and dustproof) environmental protection rating, which means that it will still function after having been submerged in up to 1m of water for up to 30 minutes. In addition, new Connector Protector technology provides marine-hardened protection against the corrosive damage that salt water and salt fog can cause to exposed connectors.

Reduced cost of ownership – The STP9200 is compatible not only with all audio accessories, batteries and chargers from Sepura’s STP8000 hand-portable range, but also with its market-leading Radio Manager 2 fleet management tool and CMC encryption management suite - all factors which help organisations to maximise the value of existing investment.

Improved ease of use – The STP9200 provides a reduced keypad and an enhanced user interface, which offers three different presentation styles, which users can select according to their personal preference.

- Compatibility mode allows existing Sepura users to be immediately familiar with the STP9200.
- Grid and List modes will appear familiar to new users who may be accustomed to user interfaces on smartphones or other GSM devices.

Together, the presentation styles mean that organisations, whether existing Sepura users or new users, will minimise training costs.
Operational efficiency – Innovative hardware design blocks out background noise, whilst advanced audio equalisation technology provides a superior full-duplex audio experience.

Resource and information management – Tracking radios, particularly in a pooled system, can be difficult, so the STP9200’s built-in RFID tag will be of considerable benefit to many users.

Enhanced user safety – In addition to the Man-Down feature and enhanced GPS, the Wake-On-Alarm feature, which enables the STP9200 to be switched on and make an emergency call by pressing the emergency button also helps to protect users.

Truly innovative, designed for critical communications users who want the very best TETRA radios.
STP 9200
HAND-PORTABLE

DIMENSIONS
Height: 133mm
Width: 61mm (54mm)
Depth: 32mm (Standard Battery)
Depth: 37.3mm (High Capacity Battery)

WEIGHT
With Standard Battery: 250g
With High Capacity Battery: 275g

FREQUENCY BANDS
380-430MHz – STP 9238
407-473MHz – STP 9240

POWER SUPPLY
7.4V (nominal) Lithium Polymer Battery Packs
Intelligent Recharging Batteries
1160mAh Standard Battery
1400mAh Mid Capacity Battery
1880mAh High Capacity Battery

RF PERFORMANCE
RF Power – MS Power Class 3L (1.8 Watts)
RF Power – Customisable for:
TMO/DMO/REP
Adaptive Power Control
Supported
Repeater Class – A and B
Receiver Static Sensitivity – 112dBm
(115dBm typical)
Repeater Dynamic Sensitivity – 103dBm
(106dBm typical)

PRODUCT PERFORMANCE
Audio Power – 1 Watt
Operational Temperature (Conformance tested): -20°C to +60°C
Operational Temperature (Min/Max):
-30°C to +70°C
Storage Temperature: -40°C to +85°C
Dust & water protection: IP67 (submersible, waterproof and dustproof)
Shock, drop & vibration: ETS 300 019
Salt fog: MIL810E 509.4(l); duration 24hr salt
Salt water submersion, rated at 1m depth
for 30 minutes

PRODUCT OPTIONS
GPS
DMO Repeater Type 1A
Air Interface Encryption Options
End-to-End Encryption Options
Man-Down Alarm
Smartcard Support

RFID PERFORMANCE
Internal tag – H1TAG-S2048, short range, 125KHz,
ISO11784 and ISO11785 compliant
Range: 1cm from back of individual radio
User accessible storage – 512 bits,
pre-programmed (user can overwrite):
32 bit unique identifier
Serial number
Hardware code
TEI
Passive Technology

DISPLAY AND USER INTERFACE
Active LCD area 37mm x 19 mm, with
128 x 4 resolution
High visibility monochrome display
Call history
8 configurable soft keys
Phonebook (2000 entries)
9900 talkgroups in TMO/DMO
5000 multi-level talkgroup folders
Intelligent search facility
Quick groups
Transmit inhibit with on/off status messaging
Fixed & definable scan lists
Remaining charge-time indication
Missed call indicator
Intuitively-enhanced user interface
Choice of three user interface presentation styles
(Compatibility mode, List mode and Grid mode)
Wake-on-alarm function
DTMF dialling from address book
Ambience listening
Privacy Mode
Whisper Mode
Group Focus

VOICE SERVICES
Full duplex calls (to MS and PABX/PSTN)
Half duplex calls (individual and Group)
Priority call
Emergency call (pre-emptive priority)
Intelligent alarm reporting
Talking party identity
Calling line identity presentation
MISSDN dialing
Abbreviated dialing
Dynamic group number assignment
Background (hidden) groups
DMO individual call
DMO group call
DMO emergency call
DMO intelligent emergency call
Independent volume control
Enhanced full duplex ear sealing
Independent Volume Control

DATA SERVICES AND APPLICATIONS
Status messaging (in TMO & DMO)
SDS Messaging (in TMO & DMO)
Concatenated SDS messaging
Multi-slot packet data
Circuit mode data
TETRA pager and call out
Short Data Applications (SDAs)
Lone-Worker feature

LOCATION BASED SERVICES
GPS integrated option (-192dBw (-162dBm)
tracking sensitivity
Over-The-Air GPS reporting using the
following protocols:
• ETSI location standard reporting (LIP)
• NMEA & Sepura compact messaging
• GPS-based compass
Enhanced indoor start-up and acquire through
‘predicted ephemeris’

SECURITY SERVICES
Authentication
Class 1, 2, 3 and 3G security
Air interface encryption
TEA 2/3/4 Supported
Smartcard E2E encryption support

DMO REPEATER SERVICES (LICENSE REQUIRED)
DMO Voice Repeated
DMO Tone Signalling Repeated
Group Status & SDS Repeated
TMO 1A Efficient Operation over one
RF Channel
Presence Signal Support
Emergency Call
Monitoring & Participation in Calls

CONNECTIVITY
TETRA voice and data
PEI Data via RS232 and USB data cables
Accessory connections via rugged
Accessory Connector (RAC)
High speed interface for feature-rich
audio accessories
Data connection via facility connector
Passive 125KHz RFID tag

ACCESSORIES
Personal charger
Vehicle DC charger
1+1 desktop charger
6+6 desktop charger
12- and 24-way battery-only chargers
Wide range of antennas
Stud and belt attachments
Rugged belt clip
Rugged and soft leather cases
Basic IP55 remote speaker microphone
Advanced IP55 remote speaker microphone
(without RF antenna)
Hand-free kit
Personal ear pieces
Public order accessories
Semi-covert accessories
Feature-rich car kit
Serial and USB data leads
4- & 8-way programming pods
Basic car kit

1 – As defined in ETSI EN300 019-2-1 and EN300 019-2-2.
2 – Availability is subject to export licence.
3 – The Man-Down Alarm should in no way be regarded as a substitute for compliance with appropriate risk assessment and other safety procedures and practices.
   To enable Man-Down a software license is also required.
4 – Operating at temperature extremes may limit some aspects of operational performance.
5 – ‘Connector protector’ must be enabled in customisation. An antenna, a battery and either an accessory or the STP9000 series RAC cover must be fitted.
6 – Through use of Sepura pseudo-keypad. Chinese text entry not supported.
7 – Selectable from phonebook or incoming call list.

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.

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