## NO-COMPROMISE SMART CONNECTIVITY

Today's TETRA handsets are the central hub of connected body-worn devices, from barcode readers and RFID scanners to smartphones, smart watches and tablets. The SC21 offers both Bluetooth and Wi-Fi connectivity, allowing fast access to data for business and mission critical applications.

## NO-COMPROMISE SECURITY

Designed for mission critical use, the SC21 supports all levels of cryptographic protection inherited from the SC and STP Series.

## LOWER COST OF OWNERSHIP

The SC21 is 100% compatible with STP RAC-based and SC20 sRAC-based accessories – along with common battery solutions – allows for significant re-use of existing investments and minimises capital expenditure.

# SC21
## HAND-HELD RADIO

## TECHNICAL SPECIFICATIONS

### DIMENSIONS

Height: 122.5mm (exc antenna and rotary)
Width: 60mm (54mm)
Depth – standard battery: 27mm
Depth – high-capacity battery: 31.5mm

### WEIGHT

With standard battery: 194g (exc antenna)
With high-capacity battery: 220g (excluding antenna)

### TETRA RF PERFORMANCE

RF power
380-430MHz – SC2120
• MS power Class 3 (2.7W)[1], Class 3L (1.8W), & Class 4 (1W)[1]
• MSPD power Class 3 (2.7W)[1], Class 3L (1.8W) & Class 4 (1W)[1]
• DMO repeater power Class 3 (2.7W)[1], Class 3L (1.8W), & Class 4 (1W)[1]

403-470MHz – SC2124
• MS power Class 3 (2.7W)[1], Class 3L (1.8W), & Class 4 (1W)[1]
• MSPD power Class 3 (2.7W)[1], Class 3L (1.8W) & Class 4 (1W)[1]
• DMO repeater power Class 3 (2.7W)[1], Class 3L (1.8W), & Class 4 (1W)[1]

806-870MHz – SC2128
• MS power Class 3 (2.5W)[1], Class 3L (1.8W), & Class 4 (1W)[1]
• MSPD power Class 3 (2.5W)[1], Class 3L (1.8W) & Class 4 (1W)[1]
• DMO repeater power Class 3 (2.5W)[1], Class 3L (1.8W), & Class 4 (1W)[1]

RF power customisable for:
• TMO/DMO/DM-repeater
• Adaptive power control
• Receiver class A & B

380-430MHz – SC2120
• Receiver static sensitivity -116dBm
• Receiver dynamic sensitivity -107dBm

403-470MHz – SC2124
• Receiver static sensitivity -116dBm
• Receiver dynamic sensitivity -107dBm

806-870MHz – SC2128
• Receiver static sensitivity -114dBm
• Receiver dynamic sensitivity -105dBm

### AUDIO PERFORMANCE

Speaker audio power: 1W rear facing for lapel use
Rugged accessory connector (sRAC)[2]

Water-porting technology continually clears water from mic/earpiece & speaker to allow use in constant rain

### ENVIRONMENTAL PERFORMANCE

Operational temperature (conformance tested) -20°C to +60°C
Operational temperature (min./max.) -30°C to +65°C[3]
Storage temperature -40°C to +85°C[4]
Dust & water protection to IP65 and IP67:
• IP6x (dustproof)
• IPx7 (waterproof - submersible, 1m depth for 30 mins)
• IPx5 (waterproof - heavy rain/spray/jets)
• 'Fit for purpose'; tested for full 8-hour shift in heavy rain
Shock, drop & vibration: ETSI EN 300 019 5M3
Salt fog: MIL-STD-810E 509.4-1; duration 24hr salt[5]

1 – New standard & high-capacity batteries, along with the high power Class 3 feature licence, are required to operate the SC21 in high power RF Class 3 mode. Use of older STP standard & high-capacity batteries will limit SC21 operation to RF Class 3L.
2 – Compatible with Sepura STP9000 & STP8000 RAC-based accessories, as well as SC20 sRAC-based accessories
3 – Operating at temperature extremes may limit some aspects of operational performance
4 – As defined in ETSI EN300 019-2-1 & EN300 019-2-2
5 – Connector Protector must be enabled in customisation. An antenna, a battery & a Sepura accessory or sRAC cover must be fitted. Rinse in fresh water to prevent salt crystal build-up

For full technical specifications see the SC21 Datasheet or visit www.sepura.com

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# sepura

For a full list of offices and distributors or any other information, visit **sepura.com**

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**Going further in critical communications**

# SC**21** SERIES

With a wide range of **functionality** inherited from the ground-breaking SC**20** hand-portable – yet **25% smaller** – it offers all the benefits of a compact radio, with **no compromise on performance**

### LOCATION-BASED SERVICES
Via GPS; RFID tag supports tracking of pool-issue radios

### ENHANCED APPS CAPABILITY
New Sepura AppSPACE supports integration with body-worn devices

### UNIQUE NOTIFICATION BAR
Gives rapid access to favourite features, indicates missed calls and messages, and clearly shows changed states such as speaker mute

### UNIQUE SMART MENUS
Allow customisable presentation of features and hundreds of soft key functions

### OPTIMISED FOR COVERT USE
With streamlined contours and a wide range of covert accessories

### DUST AND WATERPROOF
IP65/IP67 certified the SC21 Series ergonomic non-slip case is impervious to water and continuous immersion to 1meter for 30 mins

### EXTENDED OPERATIONAL RANGE
Class 3 RF transmission power and exceptional receive sensitivity for unrivalled coverage

### BEST-IN-CLASS AUDIO
Directional speaker provides outstanding sound quality, even in the noisiest environments

### UNIQUE WATER PORTING
Expels liquid, maintaining clear communication even in heavy downpours

### ACCESSORY RE-USE
Compatible with all STP and SC20 batteries, as well as RAC- and sRAC-based accessories

### LARGE, SUNLIGHT-VISIBLE SCREEN
The largest on any TETRA hand-held radio, for easy apps use and screen clarity in all conditions

### ERGONOMIC KEYPAD
Well-spaced, hard-capped keys with haptic response for accurate data entry, even with gloved hands

## SMALL AND LIGHT ENOUGH TO BE LAPEL-WORN, THE SC**21** IS A NEXT GENERATION, SMART TETRA HAND-HELD RADIO, AND THE LATEST ADDITION TO THE SC SERIES

### NO-COMPROMISE RF PERFORMANCE
With a best-in-class TETRA engine, the SC21 allows you to keep communicating where other small handsets fail. Class 3 high-power RF transmission, coupled with exceptional receive sensitivity, gives the SC21 extended operational range, stretching coverage into areas where it was not possible before.

### NO-COMPROMISE COMMUNICATION
The SC21's best-in-class audio capability allows for rich, clear voice communication, however noisy the environment. The powerful, directional speaker projects audio to the user's ear, providing extra clarity, and unique Water Porting technology ensures that clarity is maintained, even in continuous, heavy rain.

### NO-COMPROMISE WORKER SAFETY
The SC21's advanced worker safety features offer peace of mind for lone and remote workers at all times of the day or night. From automated Man-Down and Lone Worker* protection, to biometric user health monitoring, location tracking and a dedicated emergency button, in the event of a crisis, help is never far away.

### NO-COMPROMISE USABILITY
Uses full-sized screen and keypad ensuring real-world usability. The SC21 has a 2.4" high resolution QVGA screen – the largest on any TETRA hand-portable – allowing for quick and easy viewing in all light conditions, including direct sunlight. Night mode reduces glare in low light, and the large screen area is ideal for data-rich apps usage. Well-spaced keys make data entry swift and accurate, and the intuitive user interface is compatible with the SC20/STP range, making it easy to pick up and use with minimal training.

The shortcut and notification bar gives instant access to five favourite features, indicates missed calls or messages, and alerts the user to any changed states, such as speaker mute or transmit inhibit. Custom-definable SmartMenus give users swift and immediate access to frequent features, short data applications and the forthcoming Sepura SmartApps.

For more information visit **sepura.com/SC21**

IP65 IP66 IP67 IP68