

HBC3

HANDSET-BASED CONSOLE

With ergonomic design and outstanding audio, Sepura's Handset-Based Console 3 (HBC3) combines the functionality of a traditional radio console with a telephone handset.

The HBC3 delivers an enhanced audio and visual experience, increasing the flexibility and installation options of the Sepura SCG22 and SRG3900 Mobile radios. Shaped by user feedback, the console's compact size facilitates simple vehicle installation, even alongside legacy systems, and the magnetic cradle allows a smooth and comfortable transition from pick-up to talk position.

The HBC3 offers three screen layout options, reflecting those used by SC Series, STP9000 Series and STP8X hand-portable radios. This compatibility provides familiarity across your radio fleet and minimizes the need for retraining.

RUGGED

Robust and tough, with an IP55 rating, the Sepura HBC3 is designed to withstand the rigours of the harshest working conditions. Resistant to dust and water ingress, it is compact enough to be concealed in a glove compartment for semi-covert use.

FLEXIBLE AND USER-FRIENDLY

With a large keypad, extended side-mounted PTT, context keys, missed event indicator and dedicated alarm button, the console also offers independent volume control, allowing levels to be individually set for the ear piece and the main mobile radio speaker.

The large high-resolution colour display – featuring night mode to reduce glare – allows for easy viewing, even in bright sunshine.



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HBC3

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DIMENSIONS

Handset only

Length: 160mm (excluding cable grommet)
Width: 64mm (excluding PTT)
Depth: 29mm

Handset in bracket

Width: 68.5mm (including PTT)
Length: 160mm (excluding cable grommet)
Depth: 36mm

Interface box

Width: 45mm
Length: 110mm (excluding cable strain relief features)
Depth: 20mm

Handset in cradle mounted to interface box

Width: 68.5mm including PTT
Length: 160mm excluding cable grommet
Depth: 47.5mm
Cable length, coiled: 630mm
Cable length, max. stretch: 1.5m

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WEIGHT

190g (excluding cable)

AUDIO

Dual microphone
Rear internal microphone, located on rear of handset for use with earpiece in handset mode
Front-facing microphone, for use with SRG main speaker in fist mic mode
Optional hands-free microphone support
Max audio output (from HBC3 earpiece) = 95dB LAeq receiving nominal speech (-20dBm0) at full volume measured at the ear (ear reference point)

DISPLAY AND USER INTERFACE

Large high resolution 320x240 pixels QVGA 2.2" TFT display
262K colours¹
Night mode support
Missed event LED indicator
Tri-colour status LED
Normal, large and very large mode text
User adjustable backlight control
Large, tactile robust side-mounted PTT
Three context keys on the HBC3 plus 13 configurable softkeys
Navi Keys
Dedicated emergency key
Three menu styles: grid, list & compatibility mode
External soft key support²
Multi-language keymat options
Ergonomic keypad
Backlit keymat
Exchangeable coloured bezels
Multi-language support
Bezels available with different colour options
Wake on Alarm

DUAL OPERATIONAL MODES (selected during installation)

Handset-based console mode (using rear microphone and earpiece)⁵
Fist mic console mode (using front microphone above display and SRG radio speaker)⁵
Hands-free (optional remote mic and PTT)

MOUNTING

Magnetic cradle
AMPS-compatible mounting allows use of thirdparty brackets
Compatible with existing HBC cradle and brackets
Can be mounted alongside legacy DIN-mounted radio installation
Up to 30m remote mount support³

ELECTRICAL

Powered directly by the transceiver console interface
Nominal supply voltage: 13.2V DC
Low: 10.8V DC
High: 15.6V DC
Current consumption <300mA under all conditions

ENVIRONMENTAL

Handset sealed to IEC 529 rating IP55
Operating temperature (conformance tested): -20°C to +70°C
Operating temperature (min./max.): -30°C to +75°C⁶
Shock, drop & vibration:
EN300 019-2-5 Table 2a T5.1 (5M3)
Storage & transport: -40°C to +85°C⁴

APPROVALS

TETRA EMC: EN301 489-1 & -18
Road vehicle: ISO7637-2 electrical disturbance by conduction and coupling
EN60950: 2006
Acoustic shock compliant
NIDS compliant

COMPATIBILITY

HBC3 is compatible with SRG3900, SCG22 and HTT-500-2 with a comparable UI to the SC2 series
Compatible with existing HBC interface box, cradle and wiring⁷

1 - Set by Radio Manager and/or the display capability of any second console attached to the mobile radio
2 - External softkey mounted on remote PTT can be configured via Radio Manager and SCG22
3 - 30m from mobile radio only
4 - As defined in ETSI EN300 019-2-1 and EN300 019-2-2
5 - Operational mode is selected during installation. The installer presses a key combination in order to set the mode. Once set, the mode is remembered even during a power cycle
6 - Operating at temperature extremes may limit some aspects of performance
7 - Link is required to enable external soft key support