

# HBC2

## HANDSET-BASED CONSOLE



With ergonomic design and outstanding audio, the HBC2 combines the functionality of a traditional radio console with a telephone handset.

**sepura**

Going further in critical communications



# HBC2 HANDSET-BASED CONSOLE

## MISSED EVENT INDICATOR

A blue LED indicates missed calls and messages. A soft key can also be configured to give rapid access to the missed events list

## EMERGENCY KEY

Protected from accidental operation, but easy to activate in a real emergency

## LARGE TACTILE PRESS-TO-TALK KEY

Easy to locate, even with gloved hands

## NAVI KEYS

In combination with the mode key, provides simple and quick access to talkgroups, user profiles and status messaging, as well as volume control

## LARGE HIGH-RESOLUTION COLOUR DISPLAY

Featuring the same user interface as the STP range, the display offers three presentation styles, including a smartphone-style grid. Night mode avoids glare in low light conditions

## HANDS-FREE KIT

Optional remote mic and remote PTT allow communication without removing the HBC2 from its cradle

## ERGONOMIC KEYPAD

Featuring large, well-spaced keys – ideal for gloved hands, optional coloured bezels and multi-language keymats

## MAGNETIC CRADLE

With automatic off-hook detection



With ergonomic design and outstanding audio, the HBC2 is the latest addition to the range of SRG accessories, combining the functionality of a traditional radio console with a telephone handset.

### Rugged

Robust and tough, with an **IP55 rating**, the HBC2 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.

### Intuitive and user friendly

With its large keypad, extended side-mounted PTT, dual context keys, missed event indicator and dedicated alarm button, the HBC2 shares a **common control layout** with the STP9000 handheld, the STP8X Intrinsically Safe series and the SRG3900.

It also shares a **common user interface** – featuring list, compatibility and smartphone-style grid modes – making it easy to switch between radios and virtually eliminating the need for retraining.



- › Context key support
- › Multi-language keymat options
- › Exchangeable coloured bezels
- › Dual mode handset-based or fist mic console installation options
- › Dual console support, including mixed console types
- › Remote console support (up to 30m)
- › Supports hands-free kit with microphone, PTT and additional soft-key
- › Compatible with all 3000 series SRG radios



### ✓ Flexible

Uniquely, dual microphones allow the HBC2 to be configured as a **traditional handset** or a **fist mic**. Independent controls allow volume levels to be set individually for the ear piece and the main SRG speaker, and the **large high-resolution colour display** – featuring night mode to reduce glare – allows the console to be easily viewed under difficult lighting conditions.

The handset is **ergonomically designed**, allowing a smooth and comfortable transition from pick-up to talk positions, and features an AMPS-compatible magnetic cradle, with automatic off-hook detection.

The cradle and cable options allow simple fitment to almost any vehicle up to 30m from the radio.

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Featuring ergonomic design, outstanding audio and an intuitive user interface.

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# HBC2

## HANDSET-BASED CONSOLE

### 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

### WEIGHT

190g (excluding cable)

### DISPLAY AND USER INTERFACE

Large high resolution 320x240 pixels QVGA 2.2" TFT display  
262K colours  
Night mode support  
Missed event LED  
Tri-colour status LED  
Normal, large & very large mode text  
User adjustable backlight control  
Large, robust side-mounted PTT  
Two context keys plus 13 configurable softkeys & dedicated emergency key  
Three menu styles: grid, list & compatibility mode  
External soft key support<sup>2</sup>  
Backlit keymat  
Multi-language support  
Optional coloured keymat bezels

### OPERATIONAL MODES (selected during installation)

Handset-based console mode (using rear microphone & earpiece)<sup>5</sup>  
Fist mic console mode (using front microphone above display & SRG radio speaker)<sup>5</sup>

### 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 HBC2 earpiece) = 95dB LAeq receiving nominal speech (-20dBm0) at full volume measured at the ear (ear reference point)

### MOUNTING

AMPS-compatible mounting allows use of third-party brackets  
Compatible with existing HBC cradle & brackets  
Can be mounted alongside legacy DIN-mounted radio installation  
Up to 30m remote mount support<sup>3</sup>

### 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°C<sup>6</sup>  
Shock, drop & vibration:  
EN300 019-2-5 Table 2a T5.1 (5M3)  
Storage & transport: -40°C to +85°C<sup>4</sup>

### APPROVALS

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

### COMPATIBILITY

Compatible with STP9000 series/STP8000 series/SRG3900/SRG3500 & SRH user interface<sup>1</sup>  
Compatible with existing HBC interface box, cradle & wiring<sup>7</sup>

1 - Set by Radio Manager 2 and/or the display capability of any second attached console on SRG3900

2 - External softkey mounted on remote PTT can be configured via Radio Manager 2

3 - 30m from SRG3900 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

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