





# AUDIO INTERCOM SYSTEMS

An intercom completes any access control system by providing a means for the user of screening visitors before granting access, thereby significantly increasing security.



## CENTURION INTERCOM SYSTEM

The **CENTURION INTERCOM SYSTEM** is an incredibly versatile and reliable audio intercom for domestic and small commercial or industrial installations. Using only two wires, the award-winning **CENTURION INTERCOM SYSTEM** system is simple, quick and easy to install and is expandable up to five components with a maximum of two Entry Panels. This intercom system combines exquisite form and the ultimate in function, and makes for a formidable and cost-effective home security system.



### MAIN FEATURES

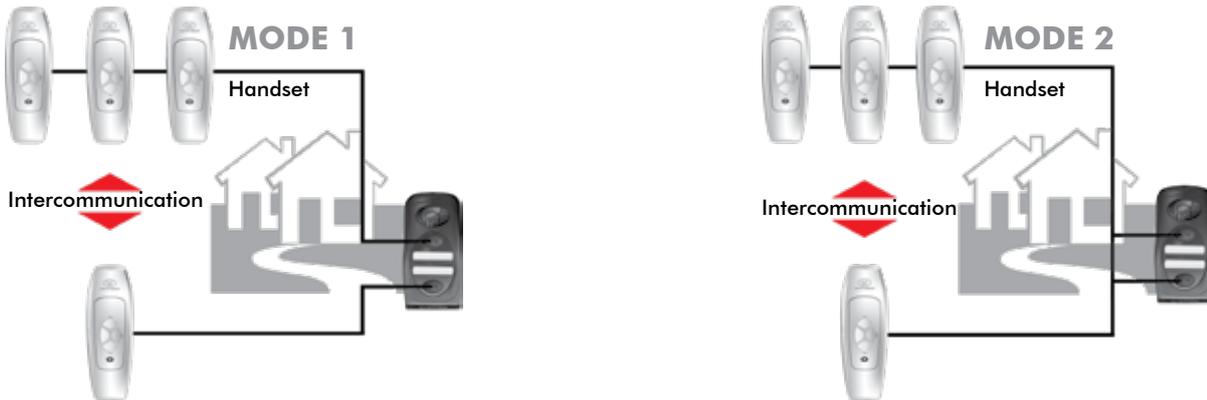
- Each Entry Panel fitted with two Call Buttons allowing for separate or joint calling
- Single or dual Call Button Modes of Operation – greater versatility as the system grows
- Intercommunication between two groups of handsets for added convenience
- **Each handset incorporates:**
  - Gate release for each Entry Panel
  - Auxiliary control button
  - Intercommunication Call Button
  - Gate status LED
- 12V DC operation with optional battery backup – connect to a battery backup supply for critical power failure protection
- Built-in lightning protection – for greater reliability
- An optional POLOswitch may be fitted to maximise the security of the installation

### SYSTEM EXPANDABILITY AND OPERATION

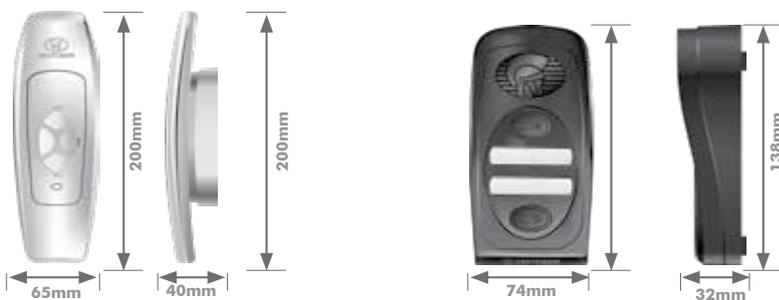
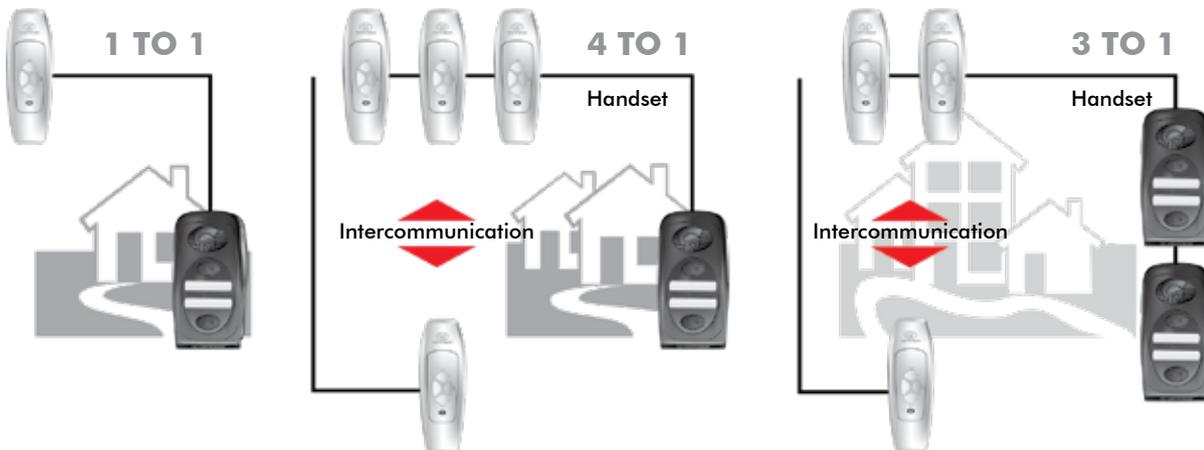
The **CENTURION INTERCOM SYSTEM** can be expanded to include five components as follows:

- Up to two Entry Panels
- Each Entry Panel is fitted with two Call Buttons
- Two groups of handsets
- Up to three handsets per group
- Intercommunication between the two groups of handsets

In addition, the **CENTURION INTERCOM SYSTEM** supports two ways for calling handsets from the Entry Panel(s). In one mode, pressing either Call Button on the entry panel(s) will ring all the handsets in the system. In the second mode, each Call Button rings a separate handset group.



### SYSTEM EXPANDABILITY AND OPERATION

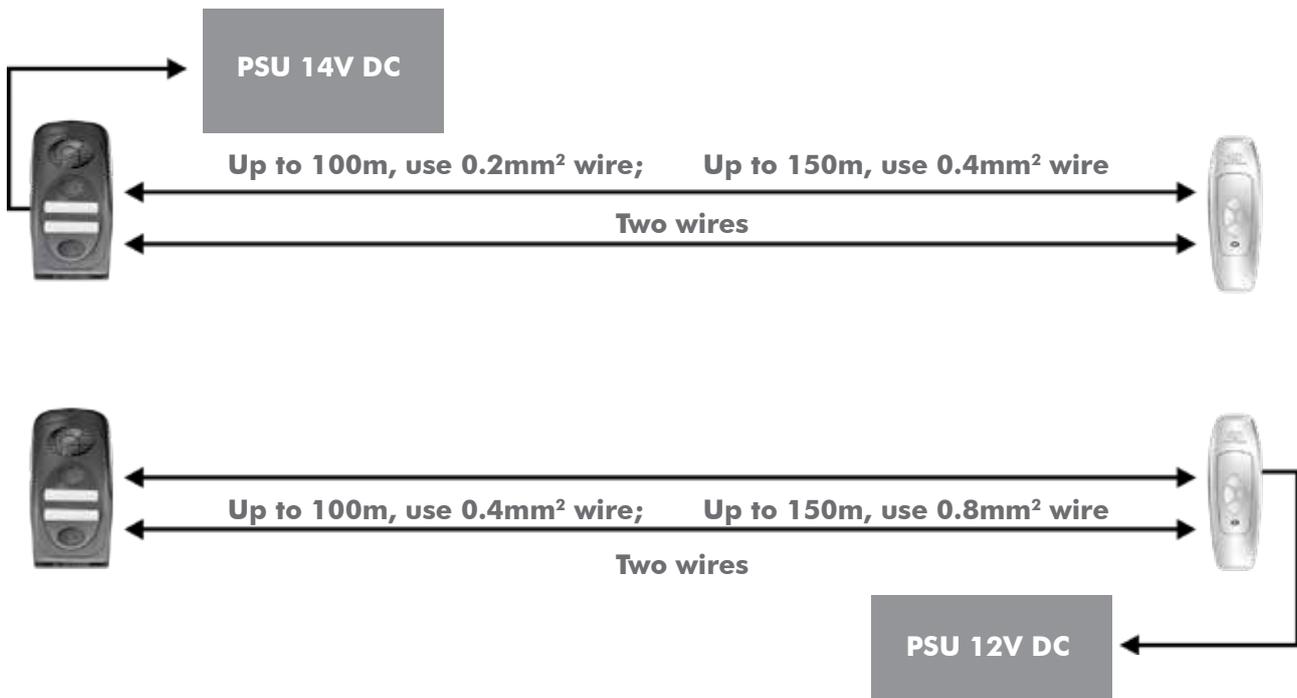


## TECHNICAL SPECIFICATIONS

Technical Data	CENTURION INTERCOM SYSTEM
Input voltage <sup>1</sup>	12V – 14V DC supplied at anyone of the components <sup>1</sup>
Current draw	Quiescent – 150mA ±60mA for a One-to-One kit maximum – 200mA
Speech volume	Adjustable at each Entry Panel and handset
Wiring	Two common wires polarised for speech, call and lock release
Ring tone	Electronic while button is depressed with separate tones when calling from each Entry Panel in a system or between groups of handsets
Call confirmation at entry panel	√
Wiring distance	Refer to thickness chart below
Gate/door release	Potential-free normally-open contact
Handset auxiliary contact	Requires separate wiring via two-wire bus
Operating temperature	-20°C to +50°C
Humidity	0 – 90% (non-condensing)
Degree of protection	IP55
Surge protection	√
<b>Packaging dimensions</b>	
Handset	Length: 70mm x Width: 47mm x Height: 211mm
Entry panel	Length: 70mm x Width: 40mm x Height: 150mm

1. If the 12V DC gate motor supply dips when the motor starts up and the intercom is being used at the same time, the speech quality might be affected.

## WIRING DISTANCE AND THICKNESS



**CENTURION INTERCOM SYSTEM ACCESSORIES**



**CENTURION INTERCOM HANDSET**

Winner of the DISA Style Award. The design of the CENTURION INTERCOM handset is state-of-the-art. It showcases a happy union of exquisite form and the ultimate in function, making a formidable and cost-effective home security system.



**CENTURION INTERCOM ENTRY PANEL**

The easy-to-install Entry Panel is used to ring through to and communicate with all handsets on the two-wire bus line.



**ANTI-KNOCK SHIELD**

Provides greater protection for the Entry Panel against accidental damage. It is fabricated from 304 grade stainless steel with a brushed finish.



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**GOOSENECK**

Steel pole for mounting intercom gate station or access control.



**CENTURION INTERCOM POWER SUPPLY**

CENTURION INTERCOM power supply (two-pin mains adaptor) including an adaptor for three-pin socket.



**POLOSWITCH**

The POLOswitch functions either to make up an external ring extender for a particular group of handsets or acts as a secure gate trigger for a particular Entry Panel.



**INTERCOM CABLE**

A polarised 8-core two wire indoor communication cable.



## G-SPEAK ULTRA ADVANCED GSM-BASED INTERCOM SYSTEM

Experience unrivaled security and convenience with the G-SPEAK ULTRA, enabling you to answer your intercom from anywhere across the globe. This cutting-edge system merges wireless GSM technology with CENTURION's sleek and futuristic ULTRA interface, setting a new standard in convenience and peace of mind. Infused with a spirit of innovation, the G-SPEAK ULTRA facilitates seamless wireless communication between the user and the intercom gate station, effectively transforming your phone into a portable intercom handset



### MAIN FEATURES

- Answer your intercom - and open your gate - from anywhere
- Two call buttons - learn up to two numbers per call button
- Call buttons can be individually time-barred
- Easy programming via G-WEB web or app interface
- LCD screen for easy access to diagnostics
- No messy and expensive wiring
- Intelligent monitoring of CENTURION gate motors' status outputs (for example gate opening, gate left open, etc.)
- Time-barring: Supported on Access Numbers, Inputs and Outputs

#### Devices that can be monitored via the inputs

##### House alarm: activated:

- Electric fence: alarm triggered
- Geyser status: On/Off
- Mains power: On/Off
- Fridge aboard your boat: On/Off
- Borehole pump status: Running/Off
- Water reservoir: Full/Empty
- Entrance gate status: Open/Pedestrian
- Vehicle monitoring: Ignition or alarm activated, or off or your reservoir is full or empty

#### Devices that can be controlled via the outputs on

##### Automated entrance gates

- Geysers

- Appliances
- Air conditioners
- Borehole pumps
- Lighting systems
- Irrigation and water features
- Alarm systems

TECHNICAL SPECIFICATIONS

Technical Data	G-SPEAK ULTRA
Supply voltage range	11-24V DC
Maximum current draw	300mA @ 12V DC
Input/output current rating	50mA (Open Collector)
Input sense voltage range	0-24V DC (0-1.6V Low-input State, 5V-24V High-input State)
SIM card	Micro-format, Activated Vodacom SIM Card Supplied <sup>1,2</sup>
Number of configurable input/output channels	4
Call buttons on calling module	2
Call confirmation at calling module	Yes
Speech volume	Adjustable at Calling Module using Call Buttons
Calling Module illumination	Call Buttons and labels with back-lit white LEDs
Memory capacity	<ul style="list-style-type: none"> <li>• 5000 Event logs</li> <li>• 20 Access Profiles</li> <li>• 1 Custom Welcoming SMS Message for New Access Numbers</li> <li>• 20 Custom Output Activation SMS Messages (From User to Device)</li> <li>• 30 Custom Input Notification SMS/Email Messages (From Device to User)</li> <li>• 100 Visitor Time-barring Windows (Windows are the periods between two dates)</li> <li>• 30 Generic Time-barring Windows (Windows are weekly recurring)</li> <li>• 10 Output Activation Schedules (Schedules are weekly recurring)</li> <li>• 3 Daylight Saving Periods</li> <li>• 4 Input to Output Mapping Configurations</li> </ul>
GSM	Quad-band: GSM850, GSM900,DCS1800, PCS1900 GPRS Class 12

1. May not be used in devices other than G-SPEAK ULTRA.
2. Remains the property of Centurion Systems (Pty) Ltd.

