





# 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.





## POLOPHONE AUDIO INTERCOM SYSTEM

The **POLOphone** is an incredibly versatile and reliable audio intercom for domestic and small commercial or industrial installations. Using only two wires, the award-winning **POLOphone** 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

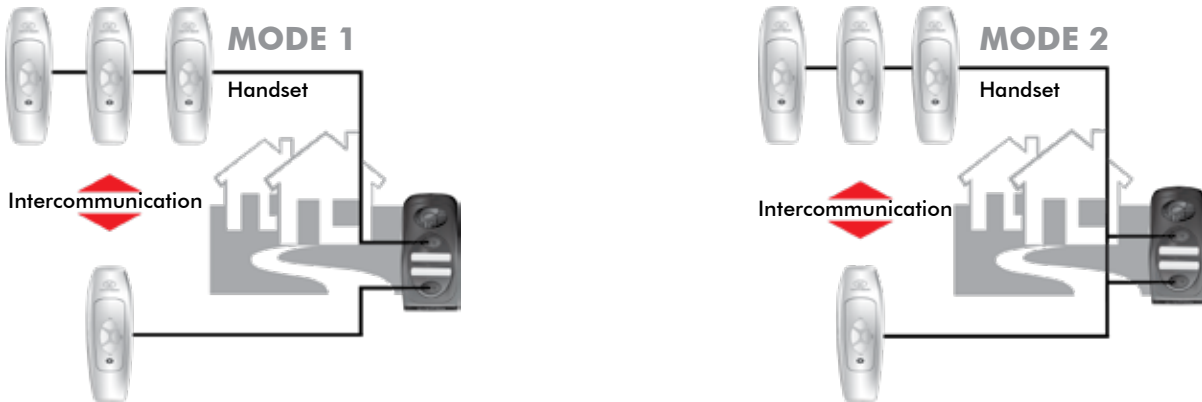
- Each Entry Panel fitted with two Call Buttons allowing for separate or joint calling
- Single or dual Call Button Modes of Operation – greater versatility as the system grows
- Intercommunication between two groups of handsets for added convenience
- **Each handset incorporates:**
  - Gate release 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**

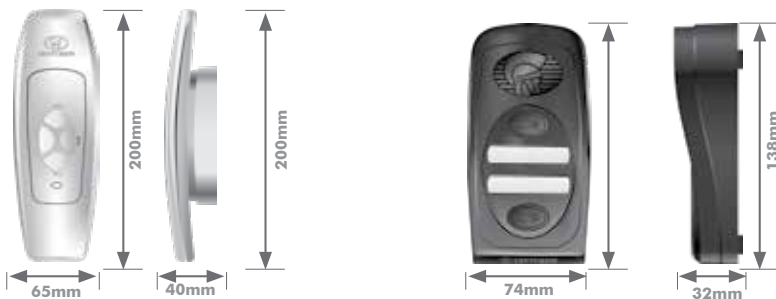
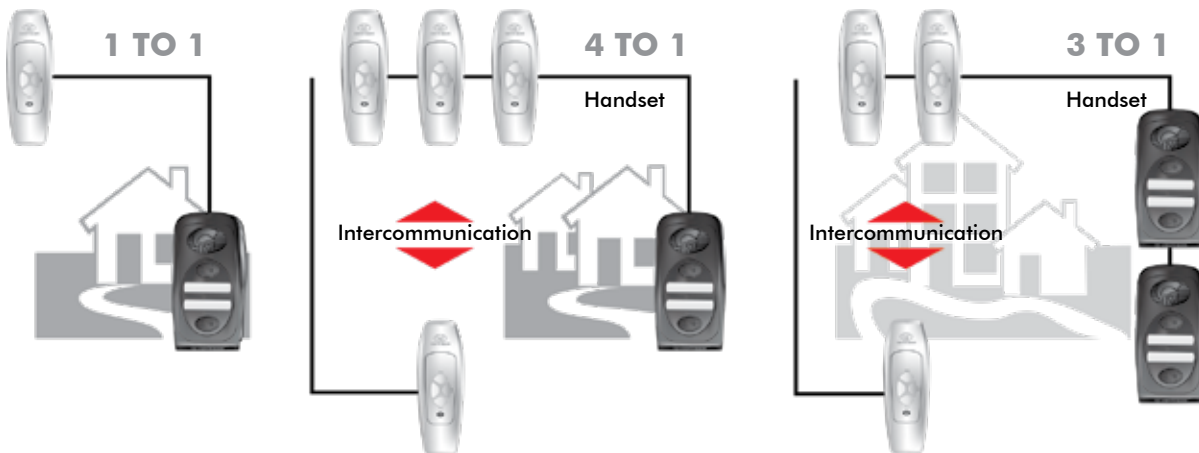
The **POLOphone** system can be expanded to include five components as follows:

- 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 **POLOphone** 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**

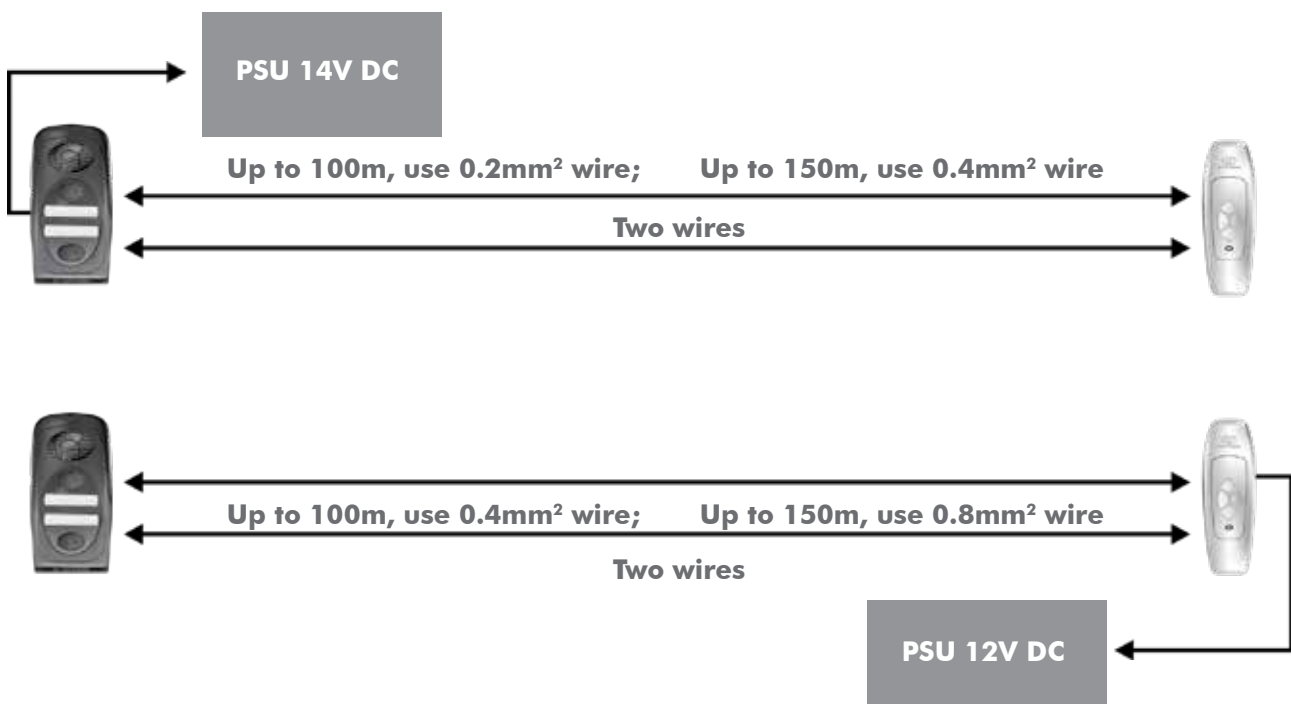


## TECHNICAL SPECIFICATIONS

Technical Data	POLOphone
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: 211 mm
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



**POLOPHONE ACCESSORIES**



**POLOPHONE HANDSET**

Winner of the DISA Style Award. The design of the POLOphone 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.



**POLOPHONE 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 damage. It is fabricated from 304 grade stainless steel with a brushed finish.



**POLOPHONE POWER SUPPLY**

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



**GOOSENECK**

Steel pole for mounting intercom gate station or access control.



**INTERCOM CABLE**

A polarised 8-core two wire indoor communication cable.



**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.

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

Answer your intercom from anywhere in the world for maximum security and convenience

The **G-SPEAK ULTRA** promotes the ultimate in convenience and peace of mind by combining wireless GSM technology with CENTURION's futuristic and stylish ULTRA interface. Infused with the DNA of innovation, the **G-SPEAK ULTRA** allows wireless communication between the user and the intercom gate station, effectively turning the user's phone into the 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 PLUS
- 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

### USER EXAMPLES

**Simple, effortless dialling to dedicated numbers - easy to use and prevents abuse. Ideal for:**

- Small children to reach their parents
- Elderly persons to reach their children and care-givers
- Warehouse receiving areas
- B & Bs and guesthouses

**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

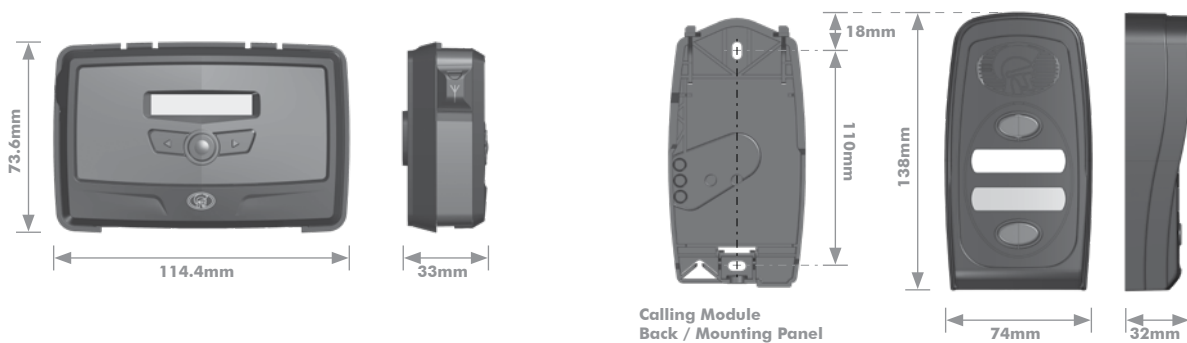
**Devices that can be controlled via the outputs on Automated entrance gates**

- 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.







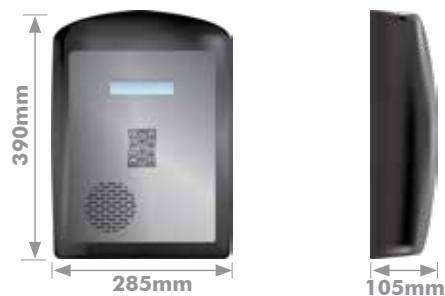
## MKII (LITE) MULTI-USER INTERCOM SYSTEM

A multi-unit intercom system that allows convenient screening of visitors at the entrance to large residential or business properties before allowing access. The system can be managed and programmed via a secure website. Since the system operates via GSM technology, there is no need for additional wiring other than the mains supply, making for a quick and easy installation. The **MKII** system also features greater security against SIM card theft by using new embedded SIM technology, thereby obviating the need for a removable SIM card.



### MAIN FEATURES

- Quick and easy installation, no wiring other than mains supply – operates via 2G GSM network
- Greater security against SIM card theft using new embedded SIM technology - SIM card not required
- Mobile or fixed-line telephone doubles as an intercom handset and can activate the entrance gate and two other access devices
- Visitor may select from three contact numbers to call for access
- Allows for visitor departure control (Free-exit facility)
- Convenient web-based interface for system updating and reporting
- Programming can be done online or manually at the unit
- Online resident database administration
- Battery backup and built-in lightning protection for excellent reliability
- Robust and durable Entry Panel
- CENTURION code-hopping remote control integration and management
- Time-based access control allows for limited access to certain types of visitors, for e.g. contractors
- PIN-code entry (two pre-programmed codes per unit)
- Bulk SMS and email to complex residents
- Individual resident reporting for phone bills and gate openings
- Both successful and attempted-only gate openings are reported
- Unlimited, controlled access for residents
- Ability to communicate with security personnel at the gate
- Backlit LCD display (double-line) for easy-to-read, detailed messages
- Weatherproof enclosure suitable for outdoor or indoor environments
- Quick and reliable synchronisation and firmware updating





**WIRELESS CONVENIENCE  
IS CALLING.**

**ANSWER YOUR INTERCOM  
AND CONTROL YOUR GATE -  
FROM ANYWHERE!**

Do you want the ultimate in security and convenience? With CENTURION's G-SPEAK ULTRA wireless intercom system, you can answer your intercom – and control your gate - from anywhere!

This system is a fantastic deterrent to would-be burglars, and comes with loads of neat features guaranteed to make your life easier. So take the call and say "hello" to peace of mind.

**Main features:**

- Answer your phone from anywhere for maximum security and convenience
- Say goodbye to messy, expensive wiring
- Control your gate and other appliances from your phone
- Two numbers per call button



## OUR DIGITAL AND ONLINE BRAND PRESENCE AND SUPPORT

### WEBSITE

- Landing pages in French, Spanish, Portuguese and Thai
- Access to product documentation, comparison charts and diagnostic guides
- Device software
- G-WEB PLUS interface for administering CENTURION GSM devices
- Massive library of useful articles
- <http://www.centsys.com>

### SUPPORT

- Dedicated technicians, unrivalled backup support and friendly and efficient sales personnel
- Technical support in all official languages, as well as French, Spanish and Portuguese
- Call centre operates 7am to 6pm (GMT +2), Monday to Friday and 8am to 4:30pm (GMT +2) on Saturdays

### SOCIAL MEDIA

- “Like” our Facebook page ([www.facebook.com/centurionsystems](http://www.facebook.com/centurionsystems)) and follow us on Twitter (@askCenturion) for all the exciting company news, launches, roadshows, competitions as well as technical and sales support
- Subscribe to our YouTube channel for access to an extensive library of how-to videos and tutorials
- Interesting and innovative installations from around the world, including unusual uses of CENTURION products
- Are you on our YouTube channel? Showcase your installations!

### NEWSLETTER

- Fantastic way of staying abreast of company news, developments, events and functions, new products and enhancements to existing range



## INDUSTRY-LEADING PRODUCT TECHNOLOGIES

### TECHNOLOGY

CENTURION products feature a host of industry-leading technologies, all conducive to greater security, greater convenience and superior functionality. Just some of the advanced technologies found in our products are:

- **ChronoGuard** – a world-first timer technology that allows the user to set a myriad Auto-activation and Time-barring functions using the onboard Real Time Clock and Calendar, which tracks the date up to the year 2099
- **Intruder-detection Alarms** – The novel feature-set – consisting of the Beam Alarm and Ambush Alarm - ups the security ante even further by providing an audible output when the infrared gate safety beams are obstructed, or remain interrupted for a pre-defined period of time
- **Code-hopping technology** – CENTURION remote controls are equipped with code-hopping encoders which process the outgoing transmission through a sophisticated encryption engine, making copying and cloning virtually impossible. No two transmitted codes will ever be alike

- **Onboard diagnostics** – Our D-Series range provides both audible and visual feedback of the gate status at any given time. In addition, a designated diagnostic screen makes fault-finding a breeze
- **High-volume capability** – CENTURION operators are designed to work hard, and work hard they do – with some operators such as the SECTOR II traffic barrier being capable of performing in excess of 3000 operations every single day





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+27 11 699 2481  
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**Sharecall numbers applicable when dialled  
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