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
Product Code: **POLOH00WV1_AU, POLOE2GOV3_AU**

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 showcases a happy union of exquisite form and the ultimate in function, and makes for a formidable and cost-effective home security system.

Main Features

- Each Entry Panel is 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
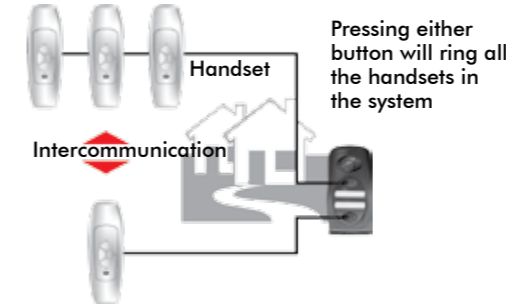
POLOphone™
INTERCOM

System Expandability and Operation

The POLOphone system can be expanded to include five components as follows:
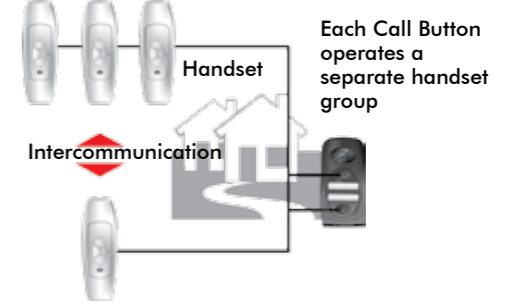
- Up to two Entry Panels
- Each Entry Panel is fitted with two Call Buttons
- Two groups of handsets
- Up to three handsets per group
- Intercommunication between the two groups of handsets

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.
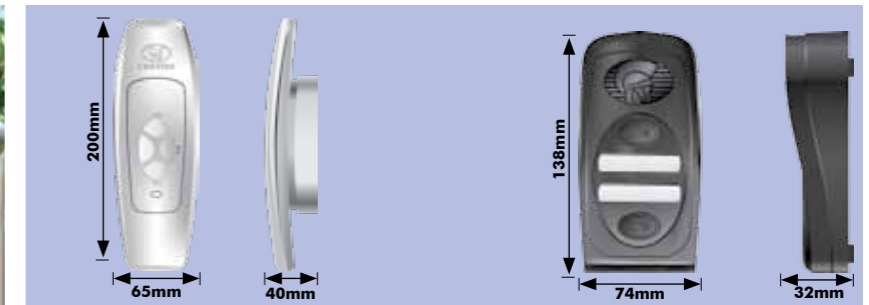
Mode 1

Handset

Pressing either button will ring all the handsets in the system

Intercommunication

Mode 2

Handset

Each Call Button operates a separate handset group

Intercommunication

Configuration Options

1 to 1
Handset

4 to 1
Handset

Intercommunication

3 to 2
Handset

Intercommunication

200mm
65mm
40mm
138mm
74mm
32mm

AUDIO
INTERCOM
SYSTEM
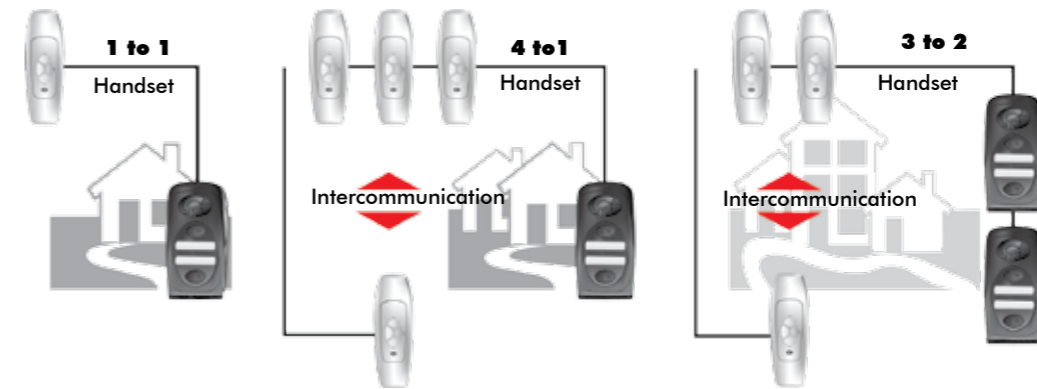
Technical Specifications

Technical Data	POLOphone
Input voltage 1	12V – 14V DC supplied at anyone of the components1
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	√
Packaging dimensions	
Handset	Width: 70mm x Depth: 47mm x Height: 211mm
Entry Panel	Width: 70mm x Depth: 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

PSU 14V DC

Up to 100m, use 0.2mm² wire;   Up to 150m, use 0.4mm² wire

Two wires

Up to 100m, use 0.4mm² wire;   Up to 150m, use 0.8mm² wire

Two wires

PSU 12V DC
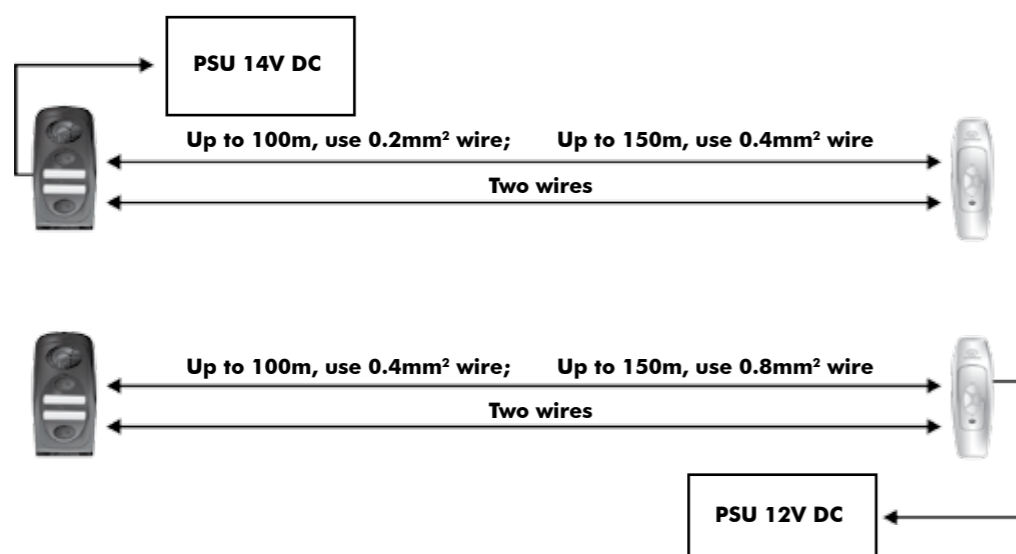
POLOphone Handset
Product Code: POLOH00WV1_AU

The state-of-the-art design of the POLOphone handset incorporates a hole in the centre of the handset, allowing it to clip over the cradle and merge smoothly into one compact unit.

POLOphone Entry Panel
Product Code: POLOE2G0V3_AU

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

POLOphone Accessories

Anti-knock Shield
Product Code: POLOAKSOV1

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

POLOphone Power Supply
Product Code: POLOPSU0V1

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

Mounting Plate
Product Code: 1163M10520

Provides the necessary fixing points and cable entry hole allowing direct mounting of the handset cradle bracket to it.

Gooseneck
Product Code: XGSN-60000 or XSGN-6GLV0

Steel pole for mounting intercom gate station or access control.

POLOswitch
Product Code: POLOSWTCH1

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

Intercom Cable
Product Code: CABLE08COR

A polarised 8 core two-wire indoor communication cable of the POLOphone system.

CENTSYS

AUDIO INTERCOM SYSTEM

G-SPEAK
2G GSM-based Intercom System
Product Code: G-SPEAK Classic: **GSC0K020V0_AU,** G-SPEAK Classic+: **GSC1K020V0_AU**

The G-SPEAK cellular intercom system is ideal for people on the move. Utilising your mobile phone or landline as a handset you can answer your intercom, and open your gate, from just about anywhere with a 2G GSM network. Lengthy, expensive cable runs to the house and surface-mounted handsets are now a thing of the past.

Models Available

G-SPEAK Classic: The perfect access control and visitor screening solution for the home.

G-SPEAK Classic+:   Added functionality for a comprehensive security system.

Main Features

Mechanical Features
- No wiring back to the house
- Answer your intercom from anywhere on your mobile phone, giving the appearance that you're always at home - greatly increases security
- Open your gate from anywhere for maximum convenience
- Exceptional speech quality thanks to state of the art GSM audio technology
- G-SPEAK Classic allows up to ten people to open the gate from their mobile phones, and G-SPEAK Classic+ allows up to 100 users
- G-SPEAK Classic has one Output; G-SPEAK Classic+ has four channels, individually-configurable as Inputs or Outputs
- High-security system access control – only learned in, authorised mobile phones can access the system

- Split unit for high security – the GSM control module resides inside the property, typically mounted inside the gate motor
- Weatherproof enclosure for greater reliability
- Cost-effective system
- Eavesdropping feature allows you to listen in to any activity at your gate whilst keeping the speaker on the Voice Module muted (G-SPEAK Classic+ only)
- Compact design for aesthetically pleasing installations
- White LED backlight makes for beautiful low-light visibility of the gate station
- Optional Grade 304 brushed stainless steel anti-knock shield available
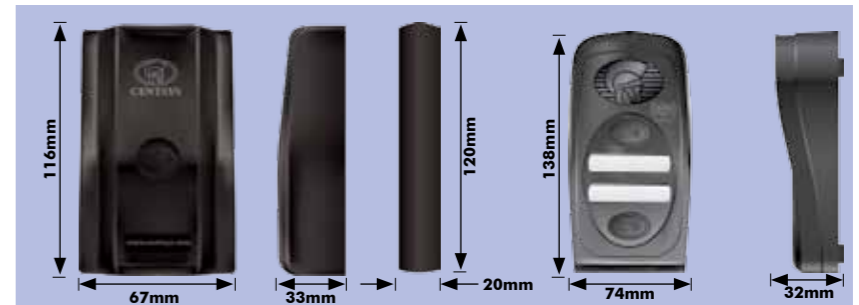
Technical Specifications

Technical Data

Technical Data	G-SPEAK CLASSIC	G-SPEAK CLASSIC+
Input voltage	12V - 24V DC	
Current draw	Quiescent 30mA; maximum 300mA	
Call buttons on Calling Module	2	
Call confirmation at Calling Module	√	
Speech volume	Adjustable at Calling Module using Call Buttons	
Wiring requirements (between Calling Module and Controller)	6 wires, min 0.2mm²; max 10m between Entry Panel and Controller	
Channels	1 – Output only	4 - Individually configurable as either an Input or Output
Input activation	Not applicable	Rising edge / Falling edge / Both
Input filter	Not applicable	0.1s - 24 hours (in milliseconds)
Input blanking	Not applicable	0.1s - 24 hours (in milliseconds)
Output pulse time range	0.1s –24 hours (in milliseconds)	
Network compatibility	2G GSM 900/1800 MHz	
SIM card required	Yes – Voice and Data services must be activated	
Airtime required	√	
Over-the-air firmware loading	√	
Operating temperature	-20°C to +50°C	
Calling Module illumination	Call Buttons and labels with backlit white LEDs	
Housing material	ABS	
Degree of protection	IP55	
Surge protection	√	
Packaging dimensions	Width: 171mm x Depth: 47mm x Height: 232mm	

Functional Specifications

Functional Specifications	G-SPEAK CLASSIC	G-SPEAK CLASSIC+
Ability to switch/monitor devices and functions	1 Output to activate device/function activation	4 Inputs/Outputs to activate or monitor devices/functions (individually configurable)
Number of users	• Up to 2 Voice Phones (one per Call Button), plus • Up to 10 Switch Phones	• Up to 4 Voice Phones (two per Call Button), plus • Up to 100 Switch Phones
Special functionality	-	• Talk Mode (SMS via Voice Phone) • Listen Mode (SMS via Voice Phone) • SMS activation of Outputs
Systems Status query	Yes, via SMS (SMS via Voice Phone)	
Systems Settings query	Yes, via SMS (SMS via Voice Phone)	

G·SPEAK Classic   G·SPEAK Classic+

116mm   67mm   33mm   20mm   120mm   138mm   74mm   32mm

G-SPEAK Classic GSM Controller
Product Code: **GSC0MMD0V0_AU**

This compact controller allows for convenient wireless communication between your G-SPEAK Classic Calling Module and mobile phone or landline and allows up to two Voice Phones and ten Switch Phones to be added to the system.

G-SPEAK Classic+ GSM Controller
Product Code: **GSC1MMD0V0_AU**

The G-SPEAK Classic+ GSM controller adds advanced functionality such as input monitoring, SMS activation of outputs and Talk and Listen functions to your G-SPEAK GSM intercom system. In addition, it allows for up to four Voice Phones and 100 Switch Phones to be added.

G-SPEAK Calling Module
Product Code: **GSC0E020V0_AU**

A stylish backlit keypad with two Call Buttons and user-friendly terminals incorporating an innovative spring-loaded design for hassle-free wiring. Compatible with both the G-SPEAK Classic and G-SPEAK Classic+ GSM intercom systems.
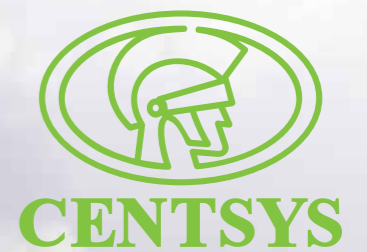
Main Features

- Superb audio quality
- Weatherproof enclosure for greater reliability
- Compact design for aesthetically pleasing installations
- White LED backlight makes for beautiful low-light visibility of the gate station
- Electronically adjustable volume settings

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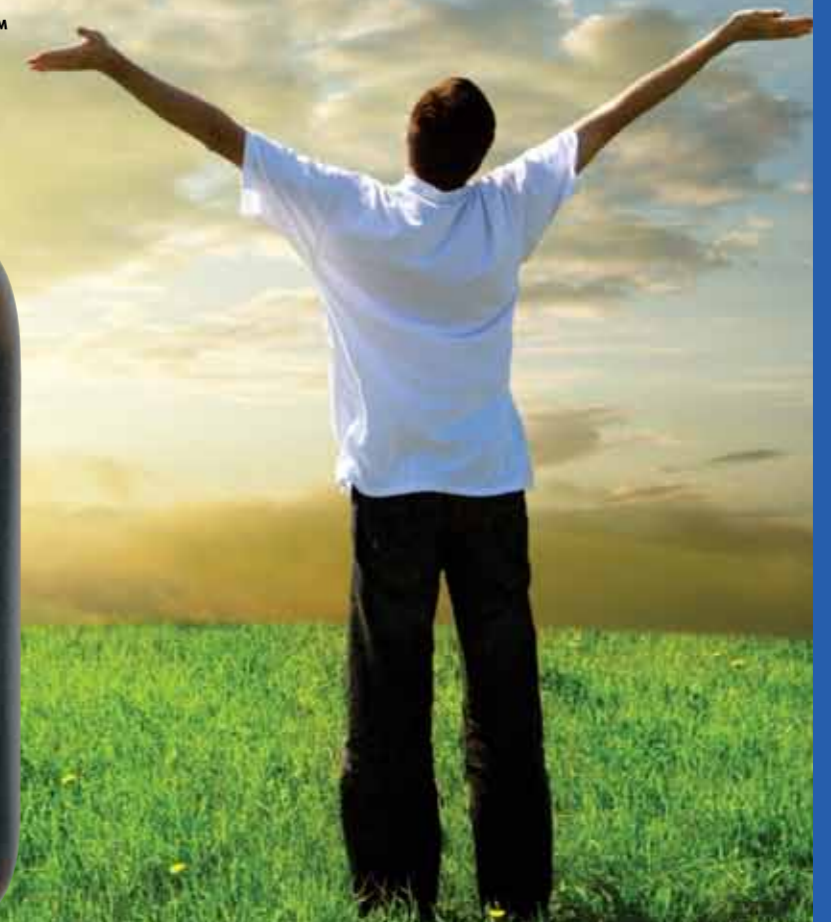www.CentSys.com.au

Wireless high security at your fingertips

For keyless access control to your property, the SMARTGUARDair delivers unmatched high-security functionality and reliability.

Main Features:

- Fully wireless keypad for effortless installation and maximum flexibility
- Compatible with any CentSys code-hopping receiver
- 15 channels to wirelessly activate multiple devices such as automated gates, pool pumps, lights, alarms, etc.[1]
- Included AA Alkaline batteries provide up to two years of battery life
- Backup Memory Module compatible
- Up to 1000 user memory codes (one to ten digits each)

1. Certain functionality may require additional interface devices such as relays, isolators, etc.

SMART GUARD™ air

www.CentSys.com.au

Legrand
Multi-user Intercom Systems
Various kit combinations available - refer to Price List

A premium range of intercoms – from basic one-to-one kits to large apartment and commercial/industrial systems with both audio and video capability.

Main Features

Mechanical Features
- Exceptional aesthetics with well-styled handset and slimline, smooth contoured Entry Panel for optimum aesthetic appeal
- Durable Entry Panel, fabricated from aluminium for greater durability and excellent weatherproofing
- Crystal clear speech quality for greater user experience
- 12V operation with optional battery backup
- Seamless expandability using modular design

- Amazing system flexibility with the ability to add Entry Panels to other entrances in the same system, using a single changeover unit for the extra Entry Panel
- Easy intercommunication - have up to five handsets communicating with each other

SERIES 7 Entry Panel
Various kit combinations available - refer to Price List

Comes with a 1-,2-,3-,4-,6-,8-,10- and 12-button Entry Panel including an audio module.

Entry Panel Audio Module Fascia
Various kit combinations available - refer to Price List

Has an audio module fascia with 2 Call Buttons and another with four Call Buttons.

Entry Panel Plain Call Button Fascia
Various kit combinations available - refer to Price List

A plain 8-button Entry Panel Call Button fascia.

Blank Fascia
Various kit combinations available - refer to Price List

Entry Panel Electronics
Various kit combinations available - refer to Price List

Contains the electronics for the audio module, pushbutton panels and the pushbutton module connector harness.

Entry Panel Mounting Box
Various kit combinations available - refer to Price List

A mild steel epoxy-coated grey surface or stainless steel mounting boxes with rainshield; it comes with up to three modules.