



TECHNICAL SPECIFICATIONS

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 ^{1,2}
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"> • 5000 Event logs • 20 Access Profiles • 1 Custom Welcoming SMS Message for New Access Numbers • 20 Custom Output Activation SMS Messages (From User to Device) • 30 Custom Input Notification SMS/Email Messages (From Device to User) • 100 Visitor Time-barring Windows (Windows are the periods between two dates) • 30 Generic Time-barring Windows (Windows are weekly recurring) • 10 Output Activation Schedules (Schedules are weekly recurring) • 3 Daylight Saving Periods • 4 Input to Output Mapping Configurations
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.

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
- Geysers 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

- Automated entrance gates
- Geysers
- Appliances, e.g. the fridge aboard your boat
- Air conditioners
- Borehole pumps
- Disable vehicle ignition systems
- Lighting systems
- Irrigation and water features
- Alarm systems



G-SPEAK ULTRA)))

ADVANCED 2G GSM-BASED INTERCOM SYSTEM

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

G-SPEAK ULTRA

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.

FEATURES AND BENEFITS

Wireless convenience

You know how people are always saying 'less is more'? Well, when it comes to less wiring, we believe that less is less: less money, less time and less effort, that is! With the G-SPEAK ULTRA 2G GSM-based intercom system, your phone acts as the intercom handset so there is no need for expensive cable runs back to the house.

Up the security ante

With the **G-SPEAK ULTRA** system, you can answer your intercom from anywhere in the world¹, giving the appearance that you are always home. This greatly enhances security and acts as a deterrent to would-be intruders. In addition, only learned-in, authorised phones are able to access the system.

PLUS! Remotely monitor activity on your **G-SPEAK ULTRA** by viewing transaction logs online or downloading them onto your computer with CENTURION's convenient and user-friendly web interface, **G-WEB PLUS**.

Open your gate from anywhere

The **G-SPEAK ULTRA** system offers up to 100 users the ability to open an entrance gate from anywhere in the world via a Missed Call, SMS, Please Call Me or your phone's keypad. You don't need to compromise the security of your home by giving your garden services or repair personnel keys or remotes; you can give them limited access even if you're chilling on a beach in the Bahamas! The new and improved **G-WEB PLUS** online interface makes it easier than ever before to suspend and enable users, taking all the hassle out of user administration. You are firmly in control.

Control and Monitor

With the **G-SPEAK ULTRA**, we're giving you the ability to monitor and control up to four channels, independently configurable as either inputs or outputs.

Receive SMS, Missed Call or email notifications on your mobile of events such as²:

- Gate left open
- Infrared Safety Beams obstructed
- Alarm activated
- Mains power failed

Control up to four different devices via a Missed Call (free), Please Call Me (free) your phone's keypad or SMS, for example²:

- Open your gate from anywhere in the world
- Switch a pool pump on or off
- Control a geyser or generator
- Activate irrigation systems
- Switch on lights
- Arm an alarm

Outputs can be configured as either pulsed or latching, with user-specified pulse times for even more flexibility.

Easy and secure setup

Your new or existing **G-SPEAK ULTRA** intercom system is administered via SMS commands sent directly from your mobile phone. Add, delete and edit authorised users and select which **G-SPEAK ULTRA** functions they can use, load airtime and configure the inputs and outputs - all by SMS!

When you choose **G-SPEAK ULTRA**, you also get access to CENTURION's web interface, **G-WEB PLUS**, which means managing all your devices from the comfort of your home or office, PLUS:

- Remotely change settings such as passwords; call, ring and hang times; channel settings, Voice and Switch Numbers
- Receive firmware update notifications and update firmware over-the-air
- Monitor network balances, power supply voltage and signal strength

Easy access to diagnostics

This smart device provides intelligent feedback via a graphic user interface displaying status, system information and diagnostic messages for the complete ULTRA experience.

Your voice will be heard!

And so will the voices of your visitors! **G-SPEAK ULTRA** delivers crystal-clear speech quality thanks to state-of-the-art GSM audio technology. **G-SPEAK ULTRA** gives you incredible flexibility with adjustable volume as well as configurable call, ring and hang times.

Intelligent monitoring of gate status

With the **G-SPEAK ULTRA**, your peace of mind is not dependent on physical proximity, and the rules of physics can be bent so that it's almost like you're two places at once. With seamless integration with CENTURION gate motors, your **G-SPEAK ULTRA** will let you know when your gate has been left open, or is in any other state specified by you through intelligent monitoring of the gate motor's status output. Adjustable Filter settings mean that you can specify under which conditions you are notified about a particular gate status, for example if the gate has remained open for longer than 20 seconds.

Security, meet convenience

For even more security, flexibility and control, use the built-in Weekly and Visitor Access Modes to control access right down to the minute!

Timed Access Control

(Weekly and Visitor) Set arrival and departure dates and times; guests will only be able to activate the device's outputs between these limits, giving you maximum security and affording your guests maximum convenience. As a special value-add developed specifically with B & B owners in mind, customised arrival and departure messages with welcoming messages, access instructions, etc., can be sent automatically to guests and visitors. Alternatively, set weekly recurring time-periods (for example 8am to 5pm, Monday to Friday) during which users will have access to the system.

Outside of the configured time-periods, access will be denied.

Add the ability to map inputs to outputs, customise the input and output notification messages and use the **G-SPEAK ULTRA** in advanced applications, such as industrial fridge/freezer temperature monitoring, and you have a powerful and convenient GSM-based monitoring and control solution. Up to 20 separate text messages with up to five scheduled outputs can be configured.

Time barring windows can be configured to block notifications, activations or specific access numbers. In addition, Each call button can be individually time-barred. For example, the primary button can be time-barred so that only the secondary call button works during the evenings or early in the morning while the primary call button is disabled.

1. 2G GSM coverage required
2. Certain functionality may require additional interface devices such as relays, isolators, etc.