





# GSM-BASED MONITORING AND CONTROL DEVICES

**GSM** modules are the wave of the future when it comes to high-security – yet cost-effective – monitoring and control.

GSM modules from Centurion Systems allow you to monitor and control electrical devices using your mobile phone giving you the freedom and peace of mind to take home security with you wherever you go.

## G-ULTRA GSM-BASED MONITORING AND CONTROL DEVICES



With the **G-ULTRA**, your entire world fits into the palm of your hand, giving you complete control at your fingertips. This is the evolution of GSM technology, designed to offer you the ultimate flexible, mobile-based access control and monitoring solution.

Unbridled. Unchained. Unmatched. Ultra.



### MAIN FEATURES

- Control your home from your phone! Activate up to six different devices, for example gate motors, alarms, electric fences, lights and sprinkler systems
- Can be configured to monitor up to four separate electrical devices, such as your home alarm or even a water reservoir. It could send you an SMS, give you a missed call or even send you a push notification, letting you know if your alarm is on or off or your reservoir is full or empty
- Password-protected with password changing as often as necessary so your security is never compromised
- Built-in Weekly and Visitor Access Modes to control access right down to the minute!
- 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
- Easy programming via web or app
- 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
- Unlock the power of the ULTRA range with the G-REMOTE mobile app

#### Customisable for:

- B & Bs and guesthouses – with flexible scheduling, time-barring and automatic activations
- Complexes – 1500 user memory
- Existing gate motors – open, close and intelligently monitor your gate status, all via your phone!
- Access automation – control a plethora of access control devices including gate motors, traffic barriers and garage door operators
- Miscellaneous security applications – be notified via SMS, missed call, email or push notification of alarm activations, electric fence triggers and mains power failures

**TECHNICAL SPECIFICATIONS**

Technical Data	G-ULTRA
Supply voltage range	11-24VDC
Maximum current draw	300mA @ 12VDC
Input / output current rating	50mA (Open Collector)
Relay contact current rating	1A, 30V AC/DC (Resistive)
Input sense voltage range	0-24VDC (0-1.6V Low Input State, 5V-24V High Input State)
SIM card	Micro Format, Activated Vodacom® SIM Card supplied. NOTE: The supplied SIM card may only be used with this specific G-ULTRA device. The SIM Card will be deactivated and blacklisted upon insertion into any other GSM device.
Number of configurable input /output channels	4
Number of relays	2
Memory Capacity	<ul style="list-style-type: none"> <li>• 1500 Access numbers</li> <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>

**EXAMPLES OF DEVICES THAT CAN BE MONITORED VIA G-ULTRA 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 deactivated, or off or your reservoir is full or empty

**EXAMPLES OF DEVICES THAT CAN BE SWITCHED ON, OFF OR ACTIVATED VIA G-ULTRA OUTPUTS:**

- Automated entrance gates and garage doors
- Geysers
- Borehole pumps
- Alarm systems
- Lights
- Airconditioners
- Refrigerators
- Pool pumps







## 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

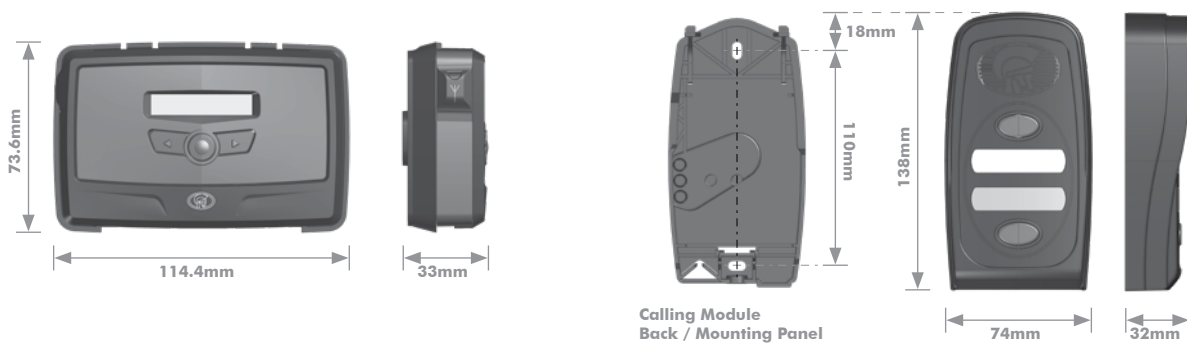
**Devices that can be controlled via the outputs on Automated entrance gates**

- Geysers
- Appliances
- Borehole pumps
- Disable vehicle ignition systems
- 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.



# UNLEASH THE POWER OF THE ULTRA RANGE WITH THE G-REMOTE APP AND G-WEB APP



## MAIN FEATURES

### G-REMOTE APP

Experience complete convenience and control with the **G-REMOTE** mobile application, an intuitive command centre to monitor and activate your CENTURION GSM devices using only your smartphone.

- Unbelievably cost-effective monitoring and control solution – costs less than 1c per activation or notification
- Activate device outputs with a single tap
- Choose from a range of custom icons to represent the functionality associated with each button
- Personalise your **G-REMOTE** experience by customising button colours and assigning unique tones for each device linked to a profile
- **G-REMOTE** comes with built-in text-to-speech functionality
- Device monitoring via push notifications with the ability to block notifications for each individual phone
- The **G-REMOTE** app boasts a dedicated screen displaying critical system information such as airtime balances and device signal strength
- Visible IOs can be configured for each Access Profile
- Each **G-REMOTE** instance can have access to multiple devices
- Easy setup via G-WEB PLUS online interface

### G-WEB APP

Whether you're attending to call-outs, quoting clients or doing installations, you have the kind of job that means you're always on the road and always on the move. With our new G-WEB ULTRA mobile app, you can set up, manage and configure your clients' ULTRA GSM devices from anywhere using your phone.

- Setup, manage and configure your client's ULTRA devices from anywhere
- Pre-loaded with wiring diagrams for a variety of different applications
- A detailed configuration audit log makes it easy to track changes made to the system
- Add and delete users and devices, edit device settings, view transaction logs and much more



## A complete solution for wireless control

- Monitor and control multiple appliances – via your phone – with a single, centralised **G-ULTRA**
- Use **WiZo-Link** modules to create a powerful, robust and expandable wireless network of connected devices
- Unleash the power of **G-ULTRA** with the **G-REMOTE** mobile application
- Manage and configure **ULTRA GSM** devices onsite with **G-WEB ULTRA** for iOS and Android

## How it works

01

**Step 1:** Install one **G-ULTRA** in a central location. This will be your “base of operations”.

02

**Step 2:** Install **WiZo-Link** devices at every appliance that your client would like to monitor and/or control, for example a pool pump, light, geyser or gate motor. The Master WiZo will be hard-wired to the G-ULTRA, and will communicate wirelessly with the other nodes via a mesh network topology

03

**Step 3:** Download the **G-WEB ULTRA** app and configure the entire system right there and then using an intelligent and intuitive mobile interface

04

**Step 4:** Ask your client to download and install the **G-REMOTE** app and use their smartphone to monitor and activate linked devices from anywhere.







# NEW G-ULTRA FEATURES YOU SHOULD KNOW ABOUT

The highly-anticipated successor to CENTURION's beloved G-SWITCH-22 GSM solution made its public debut at the company's inaugural Access Automation Expo in September 2017.

Labelled the "ultimate new GSM solution", the appropriately-named **G-ULTRA** is putting a fresh new spin on mobile-based access control with a plethora of new features guaranteed to delight installers and end-users alike. According to CENTURION spokesperson Charl Mijnhardt, the **G-ULTRA** is far from a mere continuation of the G-SWITCH-22's legacy.

"It's a complete reimagining," explains Mijnhardt. "We've added the useful diagnostic screen, of course, but that's the least of what makes the **G-ULTRA** such a phenomenal product!"

Here's a breakdown of the latest features to be added to CENTURION's GSM stable:

## Sleek new design

Starting with the cosmetic, the **G-ULTRA**'s remarkable intelligence is being packaged in a stylish-looking enclosure befitting such an advanced product.

Says Mijnhardt: "We are visual beings, us humans, and how something is presented, what it looks like, plays a huge role in our perception of it. We wanted to design a solution that screams intelligent, futuristic, advanced".

## Internal GSM antenna

An internal GSM antenna ensures healthier, more reliable network signal strength without the frustration of trying to find the optimal location to mount the unit. If you need to fit the **G-ULTRA** in a metal enclosure, simply attach an external antenna to the onboard connector.

## 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.

## Intelligent monitoring of gate status

With the **G-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 in two places at once.

With seamless integration with CENTURION gate motors, your **G-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.

## Access number profiles

The access number configuration profiles eliminates the hassle of configuring inputs and outputs and permissions every time that a new number is added.

## Typical uses and applications

The **G-ULTRA** can be used in a wide variety of security and access automation applications and is fully customisable for:

- B & Bs and guesthouses – with flexible scheduling, time-barring and automatic activations
- Complexes – 1500 user memory
- Existing gate motors – open, close and intelligently monitor your gate status, all via your phone!
- Access automation – access control devices including gate motors, traffic barriers and garage door operators
- Miscellaneous security applications – be notified via SMS, missed call or email of alarm activations, electric fence triggers and mains power failures

The **G-ULTRA** is out now. Get yours from your nearest Centurion Systems branch or security distributor.

**Unbridled. Unchained. Unmatched. Ultra.**

## G-WEB PLUS ONLINE INTERFACE FOR SETTING UP AND ADMINISTERING GSM DEVICES

Use the power of the Internet to administer your CENTURION GSM device from anywhere. Whether you want to add or delete users, edit device settings, view transaction logs, load airtime or even bootload your GSM product with the latest firmware, **G-WEB PLUS** gives you the freedom to do so without having to leave your home or office.

Compatible with G-ULTRA and G-SPEAK ULTRA.



### MAIN FEATURES

- Easy user interface to set up and administer CENTURION GSM devices
- Password-protected security
- Manage all your CENTURION GSM devices - including the G-SPEAK intercom system - from a single user profile page
- Easy upload of multiple users' phone numbers – ideal for large residential complexes
- Quick and easy to add, edit or delete single or multiple user phone numbers
- View and export transaction logs to monitor usage
- Synchronises all settings and logs seamlessly, including detailed reports of all changes made via website
- Purchase synchronisation credits online via secure payment gateway or with Internet banking
- Configure advanced features such as Any Number Mode, time-based access control and rising and falling edge input triggering, from the comfort of your home or office
- Support for multiple languages
- Thanks to the G-ULTRA's over-the-air bootloading facility, you can update the device's firmware from any PC or laptop with Internet access, giving you time for life's more important things!
- Keep track of access numbers and their settings as well as names and unit numbers
- Easily upload and export access numbers using Excel
- Remotely monitor airtime, voltage and signal strength for all your devices
- Effortlessly transfer between accounts



## 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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