



CENTURION



G-ULTRA

THE ULTIMATE GSM SOLUTION

Mobile-based monitoring and control for a multitude of applications



SOUTH AFRICA

24 MONTH WARRANTY

G-ULTRA

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.

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 multitude of access control devices including gate motors, traffic barriers and garage door operators
- Miscellaneous security applications – be notified via push notification of alarm activations, electric fence triggers and mains power failures

FEATURES AND BENEFITS

Security

Password protection means that no one else can control your **G-ULTRA**. Passwords can be changed as often as necessary so your security is never compromised, and only numbers that have been learned into the **G-ULTRA** are able to operate it. Effortlessly enable and disable your **G-ULTRA** devices, or suspend access numbers, for maximum security, either via SMS or using CENTURION's secure and convenient **G-WEB PLUS** web interface.

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-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.

Monitoring and alerting

The **G-ULTRA** looks after your property when you're not around. It 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 a push notification, letting you know if your alarm is on or off or your reservoir is full or empty. When configured as inputs, the unit's four individually-configurable channels can be configured to react to Rising Edges, Falling Edges, or both, which makes it ideal for monitoring variable levels such as mains power. A single input can be used, for example, to send a notification to users when mains power has failed, and the same input can notify users once it comes back on, freeing up the other inputs to take care of monitoring duties for other devices.

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 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.

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.

Dependable access control for big events

With the **G-ULTRA's** Any Number Mode feature, you can temporarily allow access to anyone in possession of the module's mobile number.

This is a very convenient solution for parties, corporate functions and other soirees since you don't have to manually add and delete hundreds of users - the **G-ULTRA** will be your bouncer!

Then, after the event, simply disable Any Number Mode and return the unit to full, ironclad security.

Memory

The **G-ULTRA** can remember and communicate with 1500 different users – making it perfect for either residential, commercial or even industrial applications. Further adding to this product's incredible versatility as an access control and monitoring solution for virtually any application, we've increased its onboard memory to cater for access profiles, event logs and a host of other customisable features.

Access Number Profiles

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

We've done the hard work for you!

All **G-ULTRA** units are supplied with an activated MTN SIM card (SA only).

Control

Forgot to switch on the alarm before you left home? Don't turn the car around... Control your home – from your phone. Simply send a command from the G-REMOTE app for instant activation. You can turn a seemingly endless list of electrical appliances and devices on and off just by using your phone and, using the Sticky Latch feature, latched outputs will 'remember' their states if power to the device is cycled ensuring that fickle power supplies will never leave you powerless. The **G-ULTRA** boasts four channels, individually configurable as either inputs for monitoring or outputs for control – and we've even thrown in an additional two relays to give you even more control at your fingertips.

Remote administration with G-WEB PLUS

The only thing easier than using the **G-ULTRA** is administering it. Our intuitive **G-WEB** website and app let you configure, monitor and receive reports online. **G-WEB PLUS** provides a great-looking, user-friendly and easy-to-navigate interface, enabling you to change multiple settings using a single synchronisation versus multiple SMS commands. The online portal helps you keep track of settings, access numbers and transaction logs and further expands the Ultra Universe with heaps of fantastic features developed to make your **G-ULTRA** really come alive.

G-WEB is now also available as a free mobile app! Download G-WEB on your smartphone and give your clients on-the-go service with easy management of ULTRA devices from anywhere.

You can add, delete and edit devices, set up functionality and manage access numbers whether you're onsite or on the road.

Battery voltage monitoring and Battery Saver Mode

Avoid being left out in the cold with the **G-ULTRA's** reliable battery monitoring facility. Your module will monitor its power source, and send you a push notification if the voltage falls too low as well as shutting down to conserve battery life and prevent the battery from being damaged.

Smart hardware

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.

PLEASE NOTE

There will be no transaction costs when the G-ULTRA unit is controlled using the G-REMOTE app only, as the product SIM card offers free data for the life of the product; however if SMS notifications are used, applicable rates that can be found on the G-WEB platform. The G-SPEAK ULTRA GSM intercom system will also require airtime to be loaded to enable voice communication; again, this can be done via the G-WEB online interface.

Always connected

You get free data for the life of the product! No more running out of data. No more hassles. Just always-on ULTRA convenience when using the G-REMOTE app.

Free app functionality

Using the G-REMOTE app for monitoring and control won't cost you a thing with free activations and notifications.

Simple airtime and SMS balance display

The revamped and simplified balance view will give you an accurate, intuitive and easy-to-understand breakdown of your voice and SMS balances.

Low token notification

You'll always know when you're running low - thanks to low threshold notifications for voice and SMS balances pushed directly to your phone.

UNLEASH THE POWER OF THE ULTRA RANGE WITH THE G-REMOTE APP



G-REMOTE

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
- 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

Do G-ULTRA your way:

With the simple click of a mouse, you can configure the outputs to respond to either a missed call, SMS or your phone's touchpad (DTMF), be pulsed or latching, and you can even set how many times a particular number is allowed to activate an output.

All-important security

Besides being an admin dream, **G-WEB PLUS** is also great for surveillance and site monitoring. Detailed transaction logs tell you exactly when your **G-ULTRA** devices were activated, and by whom. You don't have to be a super sleuth with **G-WEB PLUS** keeping tabs for you!

Over-the-air updating of firmware

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

User examples

The **G-ULTRA** offers four channels which can be individually configured in any combination of inputs and outputs, plus an additional two relays which can be used to control electric devices.

Devices that can be activated and 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
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TECHNICAL SPECIFICATIONS

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 MTN® SIM Card Supplied. ^{1,2} 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"> • 1500 Access numbers • 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
Model Options	<p>GSM 2G: 850/900/1800/1900MHz (EDGE)</p> <p>GSM 3G: 900/2100MHz (EDGE) 900/2100MHz (UMTS)</p> <p>GSM 3G PENTA: 800/850/900/1900/2100MHz (UMTS)</p> <p>GSM 4G/LTE-CAT1: 900/2100MHz</p>
Degree of protection	IP40

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