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GSM-BASED INTERCOM SYSTEM

# **G-SPEAK ULTRA QUICK GUIDE**



# 1. Important Safety Instructions

- 1. Do not install this product near DOSS sensor inside gate motor housing or near the remote receiver.
- 2. Do not install this product near any sensitive electrical components.
- 3. All installation, repair, and service work to this product must be done by a suitably-qualified person.
- 4. Do not in any way modify the components of the system.
- 5. Do not install the equipment in an explosive atmosphere: the presence of flammable gas or fumes is a serious danger to safety.
- 6. Do not leave packing materials (plastic, polystyrene, etc.) within reach of children as such materials are potential sources of danger.
- 7. Dispose of all waste products like packing materials, according to local regulations.
- 8. Centurion Systems (Pty) Ltd does not accept any liability caused by improper use of the product, or for use other than that for which the automated system was intended.
- 9. This product was designed and built strictly for the use indicated in  $% \left\{ 1,2,\ldots ,n\right\}$ this documentation. Any other use, not expressly indicated here, could compromise the service life/operation of the product and/or be a source of
- 10. Anything not expressly specified in these instructions is not permitted.

This icon denotes variations and other aspects that should be onsidered during installation.

#### This icon indicates tips and other information that could be useful uring the installation.

# 2. Technical Specifications

•		
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)	
Network Provider	MTN - South Africa Only	
Number of Configurable Input/ output Channels	4	
Call Buttons on Calling Module	2	
Call confirmation at Calling Module	Yes	
Model Options	GSM 2G: 850/900/1800/1900MHz (EDGE) GSM 3G: 900/2100MHz (EDGE) 900/2100MHz (UMTS) GSM 3G PENTA: 800/850/900/1900/2100MHz (UMTS) GSM 4G/LTE-CAT1: 900/2100MHz	
Degree of protection (G-SPEAK ULTRA)	IP40	
Degree of protection (Calling Module)	IP52	

TABLE 1

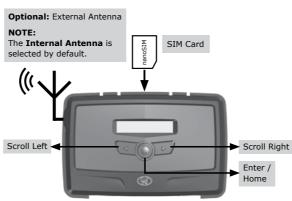
# 3. Product Identification 3.1. G-SPEAK ULTRA



FIGURE 1

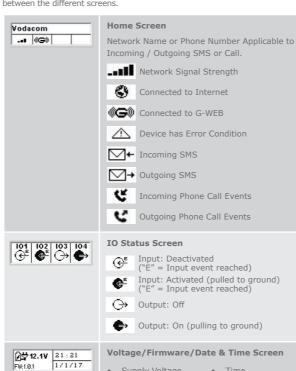
- 1. Fascia 2. External Antenna Cover
- 3. Main Unit
- 4. Mounting Plate
- 5. Terminal Blocks
- 6. Navigation panel
- 7. LCD Screen

# 4. Device Layout and Wire Connections



#### 5. LCD Interface

Table 2 below lists the information shown on the different screens found on the LCD interface. The left and right scroll buttons are used to toggle between the different screens



- Supply Voltage Time Firmware Version
   Date
- **Phone Number Screen** 0715493849



# Airtime Balance Screen

Device SIM Phone Number.

Press Enter to Refresh Airtime Balance from Network Provider •≓



#### **GSM Antenna Selected Screen** Internal GSM Antenna Selected **Y**₩









Gate Status Warning



G-SPEAK ULTRA

SIM Screen

SIM PIN V SIM PIN OK SIM PIN Incorrect

SIM Error

IMEI Screen IMEI:8958 5849 5849 382

Displays the device's IMEI number



# **Gate Station Voice Numbers**

Displays the primary and secondary Voice Numbers allocated to their respective buttons

# 6. Configurations

2+27723498576 +27713439987

# 6.1. Removing the Mounting Plate and Fascia

To access the terminal blocks of the G-SPEAK ULTRA, the back plate and fascia need to be removed. Follow the instructions below to do this.

#### 6.1.1. Removing the Mounting Plate

Gently pull the two clips at the back backward to release the main G-SPEAK ULTRA unit, and lift the unit out of the mounting plate

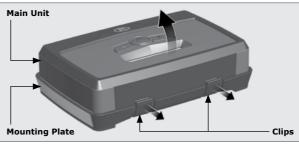


FIGURE 3

#### 6.1.2. Removing the Fascia

The fascia can be removed by inserting the tips of one's fingers into the slots (as shown in Figures 4 and 5), and pulling outward and upward. The fascia should pop off without effort.

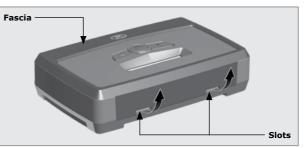


FIGURE 4

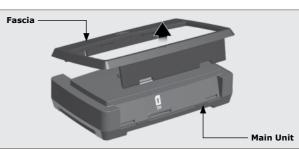
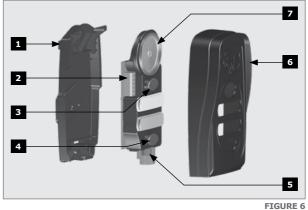


FIGURE 5



Reverse the procedure under Section 6.1 to re-assemble the G-SPEAK

# 6.2. Calling Module



1. Back Cover / Mounting Panel

3. Call Button 1

4. Call Button 2

- 2. Voice Communication Terminals

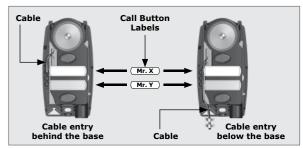
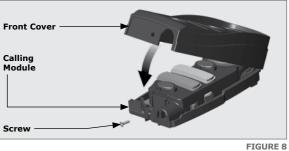


FIGURE 7

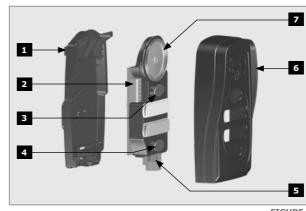


GND IO1 IO2 IO3 IO4 P1 P2 P3 P4 P5 P6 VIN NEG 

GND	Ground
GIAD	Ground
IO1	Input / Output 1 (Default: Output)
102	Input / Output 2 (Default: Output)
103	Input / Output 3 (Default: Output)
104	Input / Output 4 / Gate Status Input (Default: Output)
P1	Data Communication Line
P2	Data Communication Line
Р3	Data Communication Line
P4	Data Communication Line
P5	Data Communication Line
P6	Data Communication Line
VIN	Positive of Power Supply 12-24VDC
NEG	Negative of Power Supply

TABLE 3





- 6. Front Cover / Fascia 7. Speaker





# 6.3. Wiring Diagrams (Please refer to the online G-ULTRA wiring diagram document for more diagrams)

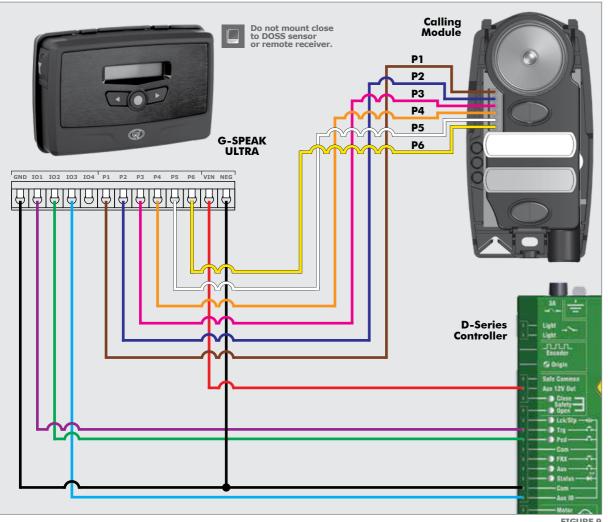


FIGURE 9





# 6.4. Configuration of features

All features – both basic and advanced – can be easily, and remotely, configured via our G-WEB Mobile Phone App or our G-WEB Online Interface. By simply logging on to the G-WEB App or G-WEB, one can add and delete users, specify text for input notifications and activations, modify device characteristics and many other features.

Download the G-WEB mobile App from your Smart Phone by navigating to the App store.



It would be necessary to register if you have not previously done so.

# 6.4.1. G-WEB Mobile App (Installers)

To download the G-WEB Mobile installer app, simply scan the QR code on your mobile device to be taken to the app in the applicable app store for your operating system. The G-WEB app gives you on-the-go access to a multitude of configuration and admin settings.













There is no need to download a third party QR Scanner, as there is a QR Scanner that is built into the G-WEB Ultra Mobile App.

# 6.4.2. G-WEB Online (Installers)

Your CENTURION GSM devices can be remotely managed and configured using the G-WEB online interface. Navigate your Internet browser to http://www. gweb.co.za (or www.g-web.com.au for Australia and New Zealand) and login to your existing profile or, alternatively, register a new profile.



# 6.4.3. MyCentsys Remote Mobile App (Users)

Download the MyCentsys Remote mobile app now for free by scanning the QR code on your mobile device. MyCentsys Remote lets you remotely control your  $\ensuremath{\mathsf{GSM}}$  devices from your phone and receive push notifications for systems that are being monitored.

# **SCAN THIS QR CODE** TO DOWNLOAD YOUR MANUALS, BROCHURES AND OUR LATEST APPLICATIONS FOR THE ULTIMATE SMART EXPERIENCE

