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GSM-BASED INTERCOM SYSTEM

G-SPEAK ULTRA QUICK GUIDE



G-SPEAK ULTRA))

Centurion Systems (Pty) Ltd www.CentSys.com

1. Important Safety Instructions

- 1. Do not install this product near the DOSS sensor inside the 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 (Ptv) Ltd does not accept any liability caused by improper use of the product, or for use other than that for which the GSM system was intended.
- 9. This product was designed and built strictly for the use indicated in 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	

TARIF 1

3. Product Identification 3.1. G-SPEAK ULTRA

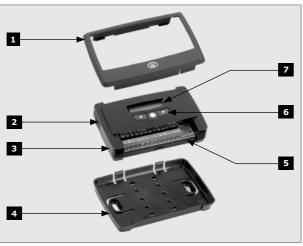


FIGURE 1

Fascia

2. External Antenna Cover

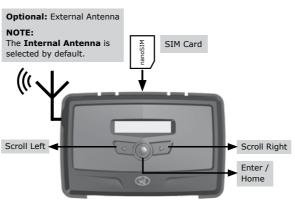
3. Main Unit

4. Mounting Plate

5. Terminal Blocks 7. LCD Screen

6. Navigation panel

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



Home Screen

Network Name or Phone Number Applicable to Incoming / Outgoing SMS or Call.

■■■ Network Signal Strength

Connected to Internet

(G) Connected to G-WEB

Device has Error Condition

✓ ← Incoming SMS

Incoming Phone Call Events

Coutgoing Phone Call Events



IO Status Screen

Input: Deactivated "E" = Input event reached) Input: Activated (pulled to

("E" = Input event reached)

Output: Off

Output: On (pulling to ground)



Voltage/Firmware/Date & Time Screen

- Supply Voltage Time
- +27812345678

Phone Number Screen Device SIM Phone Number.



Airtime Balance Screen Outgoing Call Credits ✓ → Outgoing SMS Credits



GSM Antenna Selected Screen

nternal GSM Antenna Selected

External GSM Antenna Selected connect own Antenna to SMA Y == (onnector).

• Press Enter to change between Internal and External Antennas.











SIM PIN V SIM PIN OK SIM PIN Incorrect

SIM Error



TABLE 2

6. Syncing and Factory Reset

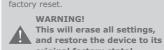


settings (See Section 6).

not erase any settings

still desired.





Push the round button to confirm a

re-sync, if the current settings are



Confirmation screen Confirm or decline proceeding with

factory defaulting

TABLE 3

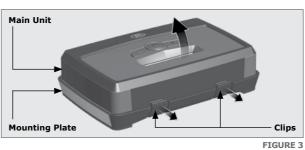
7. Configurations

7.1. 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

7.1.1. Removing the Mounting Plate

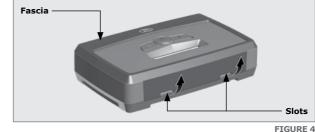
Gently pull the two clips at the back backward to release the main G-SPEAK ULTRA unit, and lift the unit out of the mounting plate.



7.1.2. 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.



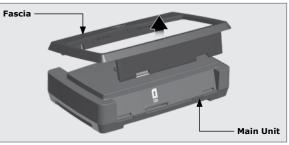
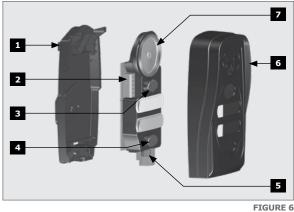


FIGURE 5

Reverse the procedure under Section 7.1 to re-assemble the G-SPEAK

7.2. Calling Module



1. Back Cover / Mounting Panel 2. Voice Communication Terminals

3. Call Button 1

5. Microphone 6. Front Cover / Fascia

7. Speaker

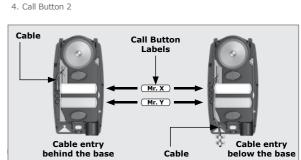
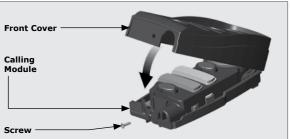


FIGURE 7



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

GND	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 4

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

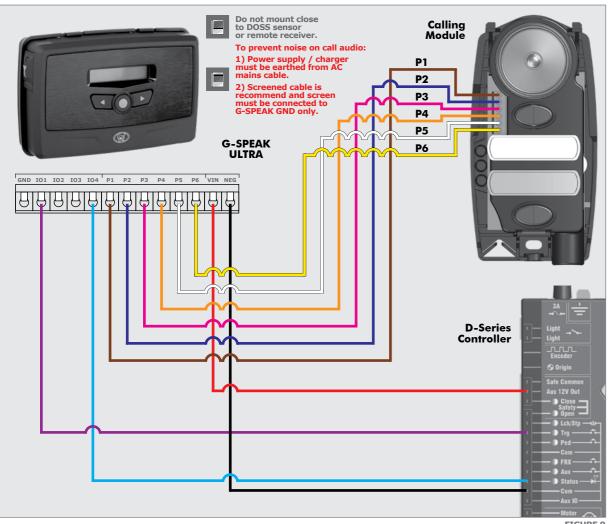


FIGURE 9





7.4. 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, you 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 or go to http://www.gweb.co.za



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

7.4.1. 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.

7.4.2. G-WEB Online

Your CENTURION GSM devices can be remotely managed and configured using the G-WEB online interface. Scan the QR code to be taken to G-WEB online.



7.4.3. G-REMOTE Mobile App (Users)

Download the G-REMOTE mobile app now for free by scanning the QR code on your mobile device. G-REMOTE lets you remotely control your GSM devices from your phone and receive push notifications for systems that are being









