

<b>Vodacom</b>			

Home Screen

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

- Network Signal Strength
- Connected to Internet
- Connected to G-WEB
- Device has Error Condition
- Incoming SMS
- Outgoing SMS
- Incoming Phone Call Events
- Outgoing Phone Call Events

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IO Status Screen

- Input: Deactivated ("E" = Input event reached)
- Input: Activated (pulled to ground) ("E" = Input event reached)
- Output: Off
- Output: On (pulling to ground)



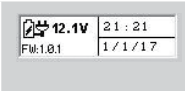

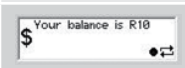

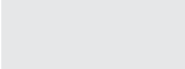
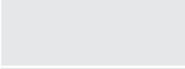

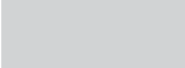
 <div>12.1V FW:1.01 21:21 1/1/17</div>	<b>Voltage/Firmware/Date &amp; Time Screen</b> <ul style="list-style-type: none"><li>Supply Voltage</li><li>Firmware Version</li><li>Time</li><li>Date</li></ul>
 <div>0715493849</div>	<b>Phone Number Screen</b> <p>Device SIM Phone Number.</p>
 <div>Your balance is R10</div>	<b>Airtime Balance Screen</b> <p>Press Enter to Refresh Airtime Balance from Network Provider.</p>
 <div></div>	<b>GSM Antenna Selected Screen</b> <ul style="list-style-type: none"><li>Internal GSM Antenna Selected (default).</li><li>External GSM Antenna Selected (connect own Antenna to SMA connector).</li><li>Press Enter to change between Internal and External Antennas.</li></ul>
 <div>101 102 103 104</div>	<b>Gate Status Screen</b> <ul style="list-style-type: none"><li>Gate Closed</li><li>Gate Opening</li><li>Gate Open</li><li>Gate Status Warning</li></ul>
 <div>SIM PIN: 0000 ✓ 1/3</div>	<b>SIM Screen</b> <ul style="list-style-type: none"><li>SIM PIN OK</li><li>SIM PIN Incorrect</li><li>SIM Error</li></ul>
 <div>G-SPEAK ULTRA IMEI:8958 5849 5849 982</div>	<b>IMEI Screen</b> <p>Displays the device's IMEI number</p>
 <div>+27723498576 NA +27723498576 +27713439987</div>	<b>Gate station Voice Numbers</b> <p>Displays the primary and secondary Voice Numbers allocated to their respective buttons</p>

TABLE 3

## 10. Configurations

### 10.1. 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.

#### 10.1.1. 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.

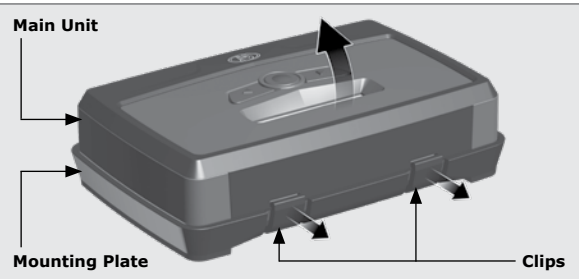


FIGURE 5

#### 10.1.2. Removing the Fascia

The fascia can be removed by inserting the tips of one's fingers into the slots (as shown in Figures 6 and 7), and pulling outward and upward. The fascia should pop off without effort.

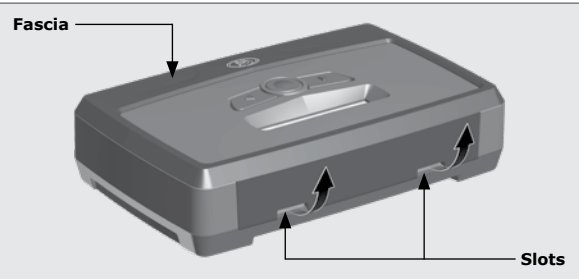


FIGURE 6

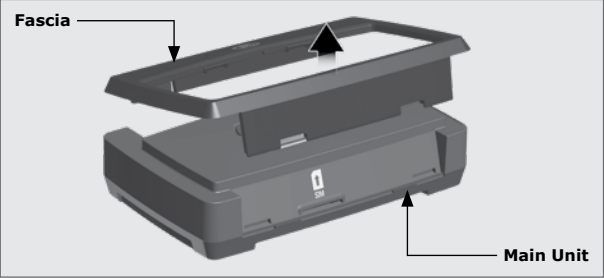


FIGURE 7

Reverse the procedure under Section 10.1 to re-assemble the G-SPEAK ULTRA.

## 10.2. Installation

### 10.2.1. G-SPEAK ULTRA Mounting

#### 10.2.1.1. Wall-mounting

The Mounting Plate is used to mount the G-SPEAK ULTRA device to a wall. Use four screws with wall anchors (not supplied) to secure Mounting Plate.

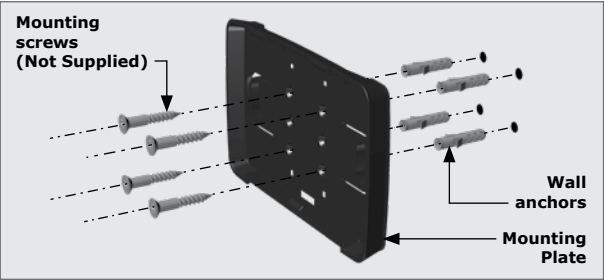


FIGURE 8

Clip the G-SPEAK ULTRA main unit into the mounting plate after it has been secured to the wall; a 'click' will be heard if done correctly.

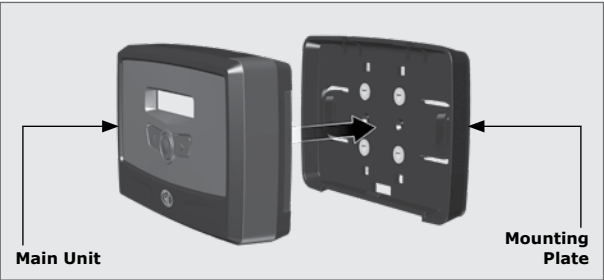


FIGURE 9

#### 10.2.1.2. DIN Rail-mounting

Should the G-SPEAK ULTRA need to be mounted onto a DIN-rail, a DIN-rail mounting kit is available. Enquire at Centurion Systems (Pty) Ltd for more information.

Secure the DIN-rail clips to the back of the mounting plate using four (4) screws.

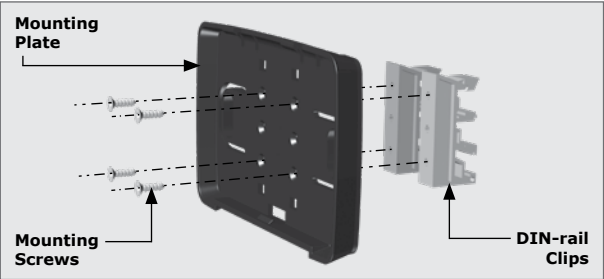


FIGURE 10

Position the bottom of the DIN-rail clips onto the rail, and clip the top end into position(A). A 'click' will be heard if it has been done correctly(B). Clip the G-SPEAK ULTRA main unit into the Mounting plate after it has been secured to the wall; another 'click' will be heard if done correctly.

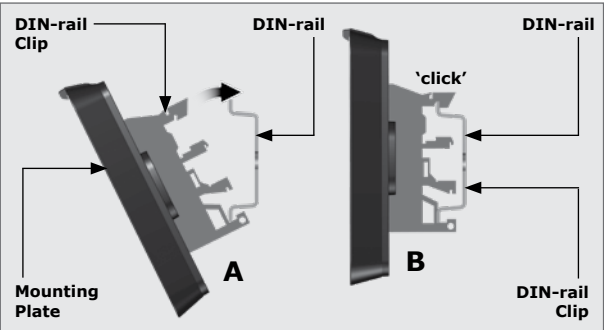


FIGURE 11

To remove the unit from the DIN-rail, remove the main unit from the mounting plate as described in Section 10.1. Insert a small flat screwdriver into the hole(s) shown in Figure 12, and gently pry the clips from the rail.

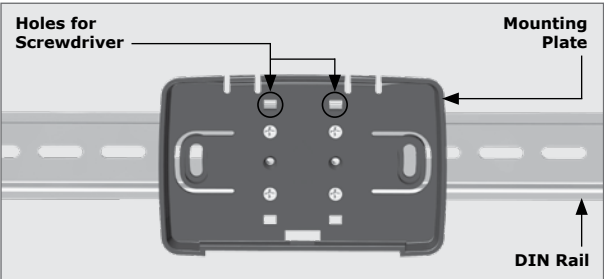


FIGURE 12

### 10.2.2. Calling Module

#### Recommendations for wall mountings

- Position the Calling Module on wall adjacent to entrance gate or door.
- Mount at a height that allows for comfortably speaking into the microphone. The recommended height is 1600mm above ground level.

#### Recommendations for Goose-neck mountings

- Ensure that the Calling Module does not protrude too far into the driveway.
- The Calling Module must not be set too far back and must be easily accessed from a vehicle.
- The height should allow for comfortably speaking into the microphone.

#### Gate Station Mounting instructions

Carefully remove the front cover of the gate station. Insert screwdriver as shown, unclip the Calling Module and remove it from the base.

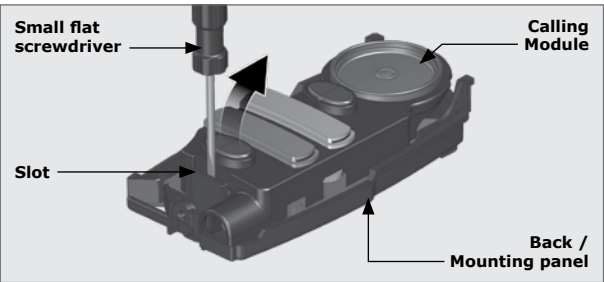


FIGURE 13

The Mounting Panel is used to mount the calling module to a wall or goose-neck. Use two screws with wall anchors (not supplied) to secure the Mounting panel to a wall, or two screw to secure it to a goose-neck.

If the cable is being routed into the unit from a concealed conduit behind the base, knock out one of the cable entry holes provided in the base and feed through the cable. Ensure that at least 100mm of cable extends out of the wall or goose-neck.

Ensure that sealing washer is fitted and closes off the mounting hole to prevent water ingress.

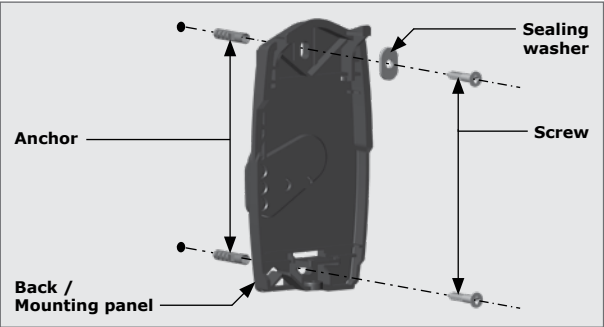


FIGURE 14

Run the cable through the base, hook the Calling Module into the base as shown below and clip the Calling Module back into position.

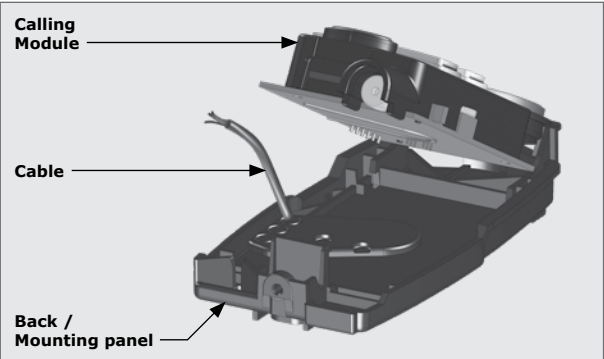


FIGURE 15

If the cable is surface-mounted, route the cable into the unit from underneath.

Terminate the cables into the voice communication terminals by following the wiring diagram found under Section 10.4.

Write Call Button labels, insert into lens(es) and clip lens(es) back onto chassis.

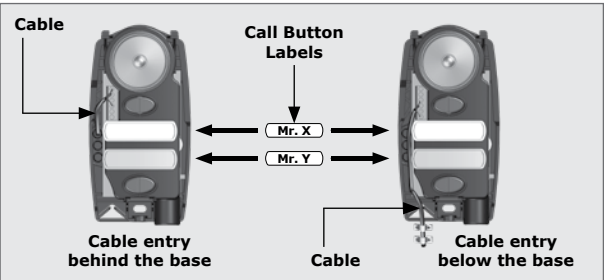


FIGURE 16

Clip the front cover back into position and secure it with the fixing screw provided in the kit.

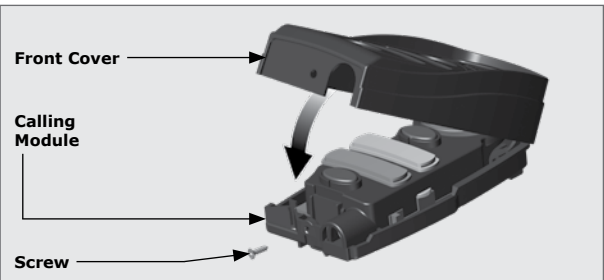


FIGURE 17

## 10.3. Configuration

- Complete the wiring of the unit as per Section 8 and 10.4 of this document.
- Power up the device and verify that the device connects to the G-WEB platform by referring to the LCD home screen.
- Navigate your Internet browser to <http://www.gweb.co.za> (or [www.g-web.com.au](http://www.g-web.com.au) for Australia and New Zealand) and login to your existing profile or, alternatively, register a new profile.
- On the My Devices page, select Add New G-SPEAK ULTRA Device and follow the onscreen instructions to associate the device to your profile.
- Configure the device with the desired settings using your online portal.

## 10.4. Wiring Diagrams

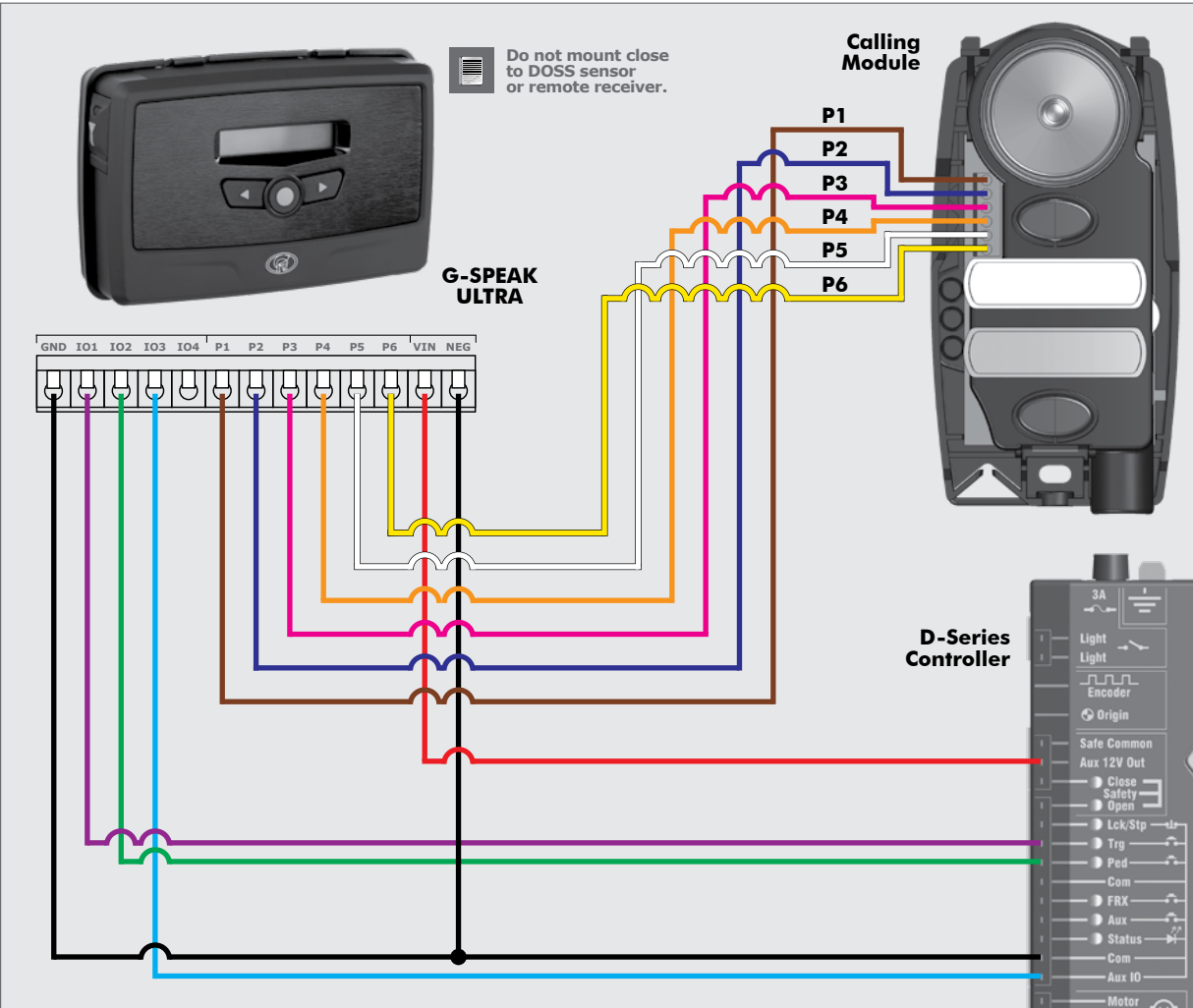


FIGURE 18

### Quick Add:

To instantly associate a device to your online profile, scan the QR code using your mobile phone and any universal QR scanner mobile application.

### 10.3.1. G-WEB

All features – both basic and advanced – can be easily, and remotely, configured via the G-WEB online interface. By simply logging into G-WEB using any Internet-enabled device, one can add and delete devices, specify text for input and output notifications and activations, modify device characteristics and a plethora of other features, all from the comfort of one's home or office. G-WEB can be accessed by navigating to <http://www.gweb.co.za> (or [www.g-web.com.au](http://www.g-web.com.au) for Australia and New Zealand). Note that it will be necessary to register if you have not previously done so.

### 10.3.2. SMS Commands

The table below lists the optional basic SMS commands available on the G-SPEAK ULTRA. All basic and advanced configurations can be done via the G-WEB online portal.

SMS Command	Description
P.XXXX*.STATUS	<b>Device Status Request</b> to which the device will respond with the following information: <ul style="list-style-type: none"><li>IMEI</li><li>Supply Voltage</li><li>Signal Strength</li><li>Device date &amp; time</li><li>I/O Status</li><li>Firmware Version</li><li>Relay Status</li></ul>
P.XXXX.AB.27821234567.BU1	<b>Add New Phone Number</b> Adds a new phone number to Profile 0 and to Button1.
P.XXXX.AB.27831234567.BU1.2	<b>Add Secondary Phone Number</b> Adds a second phone number to Profile 0 and to Button1.
P.XXXX.DB.BU1	<b>Delete a specific access number</b> Delete and clear all Voice Phones assigned to Button 1.
P.XXXX.IO	<b>IO Status Request</b> This includes custom IO and state names configured on G-WEB

1. XXXX = Device Default Password

TABLE 4