



## **GSM 3G KEYPAD**

No More Key Fobs!  
Open gates & doors with your mobile phone.

[www.gsm-activate.co.uk](http://www.gsm-activate.co.uk)



MODEL NUMBER KP V2

## Product Information

The GSM 3G Keypad incorporates a professional industrial grade GSM engine that receives calls at its SIM number, as any ordinary GSM phone. The system operates in the GSM module Quad-band 850/900/1800/1900/2100Mhz and 3G frequencies.

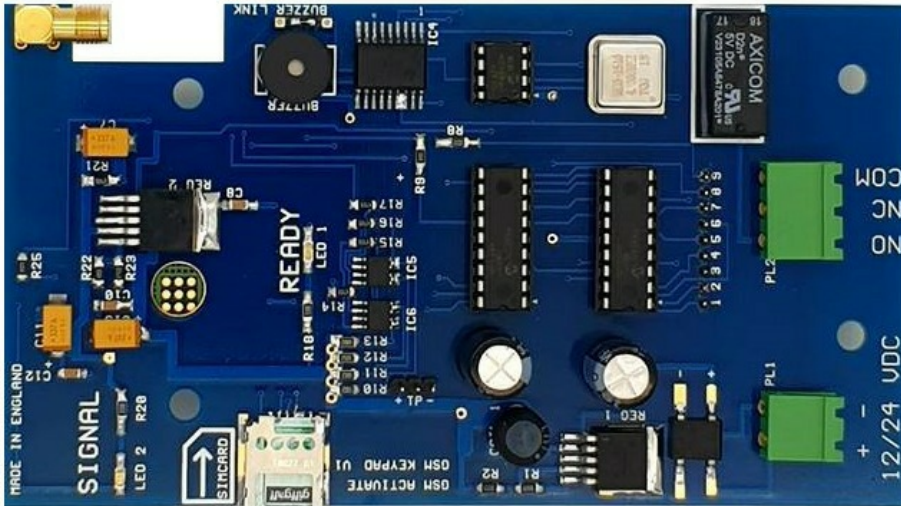
To give an example, if your SIM has a phone number 07228 9810555, this is the number you call to open the gate. The system has a memory where you will store the numbers of people enabled to open your gate (up to 60). When the Gate Opener receives a call, it will check the calling number. If the number is in the list you have prepared, it will reject the call and open the gate.

The advantages of this over other systems are that you do not have to leave the car to open your gates. Therefore, avoiding weather or safety issues. Furthermore, you don't need to carry around a separate remote device or indeed replace it if it were to get lost!

### Specification

- Simply dial the simcard within the unit to open the gate, It will reject the call avoiding any call charges.
- Phone list for added security with up to 50 stored numbers
- 50 Keypad codes
- Text for signal strength
- Text for fast / slow relay pulse
- Text to keep the gate locked in the open position
- Micro 2G or 3G simcard (supplied)
- Antenna supplied
- Sim Active Function
- Dimensions - L185 x W102 x H45mm
- Dimensions PCB only - L125 x W67mm
- Operating Temperature -10 to +40°C
- INPUT - 12 / 24VDC - Power Supply (supplied)
- Output Relay - 10AMP N/O or N/C Volt Free
- Quadband Frequency - 850/900/1800/1900/2100mhz
- No need to keep replacing keyfobs when the keyfobs are lost!

# INSTRUCTIONS



————— COM  
————— NC  
————— NO

————— -  
————— +

only use the 12 volt dc power supply supplied with the kit

Slide the simcard into the holder ensuring that the clipped corner of the simcard lines up with the clipped corner of the simcard holder.

**IMPORTANT - PLEASE READ  
PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN YOU FIT THE SIMCARD AND THAT YOU PLACE THE SIMCARD WITH THE CLIPPED CORNER AS SHOWN IN THE DIAGRAM ABOVE**

## Powering 3G GSM Keypad

Connect 12 volts to the input connector as per figure 1. Once power has been applied the blue network LED light will flash once every second. Once a signal has been found the green ready LED will come on and stay on indicating the unit is now ready for use.

## Signal Strength

To help make sure that you place the unit in a suitable position you can text the unit to see how much signal strength the dialler is receiving. Simply text the units number the command

**#SIGNAL#**

The dialler will perform a test on the signal strength. You will receive a text telling you a signal strength score between 0 up to 30 we strongly recommend that you place the unit where you can receive a signal strength score of at least 10. You will find that with a score of less than 10 will make the unit unreliable.

## How to program Dial to Open on the 3G GSM Keypad

Once the unit has a **green** light it is ready to be used. The unit can be set by sending the ID command so only authorised numbers you store can activate the unit.

If the ID Command is switched OFF anyone phoning the units number can operate the Gate.

### Caller ID Function

The caller ID function is switched on and off via the text commands as follows

**#ID=ON#** Turns caller ID on.  
**#ID=OFF#** Turns caller ID off.

To program a number into the caller ID (whl) list you will need to send the text message code:

**#WHL#NUMBER#**

To delete the number send a text message code:

**#DEL#NUMBER#**

Example **#WHL#07123456789#** to store your authorised number. (Maximum 50 users)

Example **#DEL#07123456789#** to delete authorised number.

If the code is accepted the unit will reply "WHL number stored" or "WHL number deleted"

**PLEASE NOTE YOU CAN ONLY SEND ONE NUMBER AT A TIME.**

**Please send the message and wait for the unit to reply with the acknowledgement text "STORED" before you try to add another number via the text entry.**

Please ensure that you have credit on your simcard to receive the text acknowledgment. It may take some time to receive the text acknowledgement. This can depend upon how busy your telephone network is at the time.

### Reset Function

For a quick reset and to clear all numbers there is a built in reset function that is triggered via sending the sms text message.

**#RESET#** Will reset back to factory settings

The unit will then remove all WHL numbers stored and keypad codes

## How to use the 3G GSM Gate Keypad

To open the gate, use your mobile phone or landline to dial the simcard number within the unit. It will ring once. The unit will automatically hang up, this prevents any call charges being incurred. The relay will then pulse for a period of time, this is the unit sending a signal to your gate control board to open the gate.

### Relay Pulse Time

The unit has an adjustable relay pulse time for the phone call activation. The relay will either pulse for 3 seconds or 9 seconds. This is because some gate control boards require a very quick pulse whereas others require a slower pulse.

To change the pulse time you can send the following text command

**#SLOW#** To set the relay pulse time to 9 seconds  
**#FAST#** To set the relay pulse to 3 seconds

The default setting is fast.

### Texting the Gate to Lock Open

If you need to keep the gate permanently open, you can text the unit **#OPEN#**

To close the gate using text commands please send the text **#CLOSE#**

**Please note some gate systems do not have the facility to allow the gate to stay open. Please refer to your gate control system manual for further information.**

### SIM Active Function

The unit has a built in "SIM Active" function. This monitors the activity on the simcard and if it has been inactive for 6 weeks it will send a phone call to a pre-recorded number. This will then eliminate the issue of SIM's getting shut down if they are unused for 3 months.

## Program Keypad Entry

The gate keypad allows you to gain access by using the built in keypad using a 4 digit code. Up to 50 codes can be stored within the system. You programme the keypad codes via SMS message then give the code to those you trust to access the gates. They simply need to punch in the 4 digit code to gain access in the future. The codes can be any combination of 4 digits you choose. Below is an example of how to programme the code in.

Example: `#4073#STORE#` This adds a keypad code  
`#4073#DEL#` This deletes a keypad code

If the code is accepted you will hear 4 beeps. If you make an incorrect entry you will hear a singular long beep and you will need to start again.

## Keypad Tone Settings

The keypad tone sound can be switched on and off via a text command.

`#BEEP=ON#` Turns the keypad tone sound ON  
`#BEEP=OFF#` Turns the keypad tone sound OFF

The default setting is ON

## Keypad Reset

To reset keypad codes only please send the text `#KEYPAD=RESET#`

## Quick Commands

Send Text	Operation	Acknowledgment
<code>#OPEN#</code>	Locks Relay Open	
<code>#CLOSE#</code>	Closes Relay When Locked Open	
<code>#BEEP=ON#</code>	Turns Keypad Tone On	
<code>#BEEP=OFF#</code>	Turns Keypad Tone Off	
<code>#SLOW#</code>	Sets Relay Pulse time to 3 seconds	
<code>#FAST#</code>	Sets Relay Pulse time to 1 Second	
<code>#1234#STORE#</code>	Stores a Keypad Code (1234 is an example)	
<code>#1234#DEL#</code>	Deletes a Keypad Code (1234 is an example)	
<code>#WHL#NUMBER#</code>	Stores Number to White List	Number Stored
<code>#DEL#NUMBER#</code>	Deletes Number from White List	Number Delete
<code>#ID=ON#</code>	Turns Caller ID On	
<code>#ID=OFF#</code>	Turns Caller ID Off	
<code>#RESET#</code>	Clears all numbers from White List	
<code>#KEYPAD=RES#</code>	Resets Keypad Codes Only	
<code>#SIGNAL#</code>	Gives a Signal Strength Test	score of 1 - 30

For more technical support please browse the FAQ's on our website

[www.gsm-activate.co.uk](http://www.gsm-activate.co.uk)

Alternatively email our technical support team at [technical@gsm-activate.co.uk](mailto:technical@gsm-activate.co.uk) and we will do our best to reply within 24 hours Monday - Friday.