ROTECH
>Fast
>Safe
>Secure

iGATE - GSM Gate Opener

1) AUTOMATIC GATE OPENER

Wiring Connections

iGATE 1200

R1

PTE   NO   COM   NC   DC

**DC IN IS NOT POLARITY SENSITIVE**

24v DC OUT   START COM   POWER IN

EXIT

(Optional) PTE

GATE OPENER
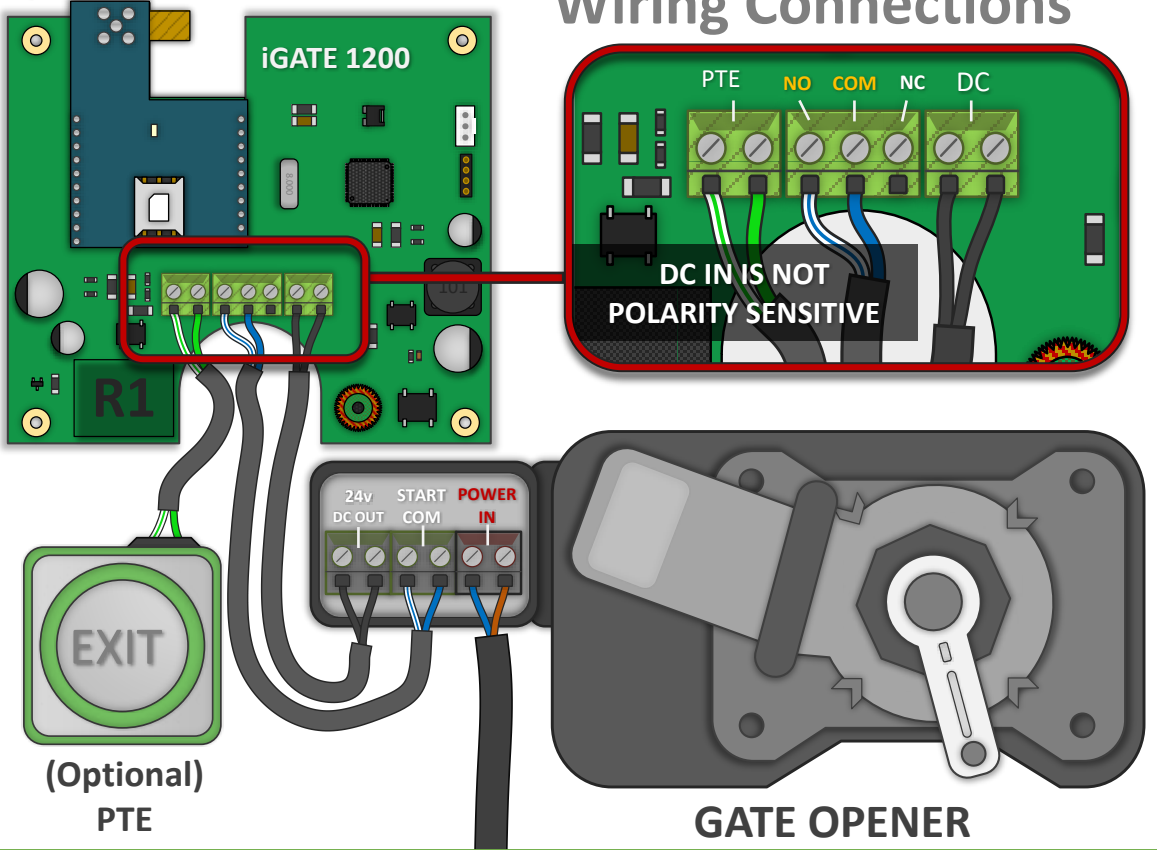
2) MAGNETIC LOCK (ALTERNATIVE WIRING DIAGRAM)

COM   NC

MAX 24 VOLTS POWER ADAPTER

SOLD SEPARATELY

MAINS POWER

The Magnetic Lock will instead use the **COM** & **NC** terminals available.

MAG LOCK
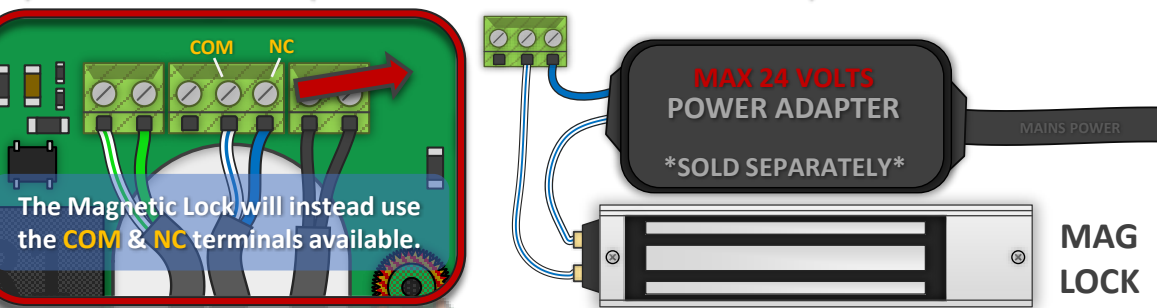
SIM ORIENTATION

ALWAYS ensure the system is switched **OFF** when adding or removing your SIM card and its orientation is correct.

SIM
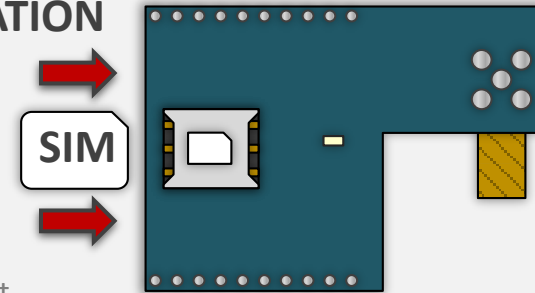
CONNECTION TO NETWORK

MODEM LED INDICATOR

4G: Quick Flashing = **Standby** | Constant **ON/OFF** = **Searching**

2G: Slow Flashing = **Standby** | Quick Flashing = **Searching**

| Commands	SMS Strings (no spaces)
Check Signal Level	*20#
Check Stored Numbers	*21#
Check Relay Status	*22#
Add Caller ID Number	9999#72TELNUMBER#
Delete Caller ID Number	9999#73TELNUMBER#
Delete ALL Caller ID Numbers	9999#73*#
Program Open Mode*	9999#75?# Default : 0 Enable : 1
Program Service Call Number*	9999#77TELNUMBER#
Trigger Relay	1234#1#
Latch Relay	1234#2#
Unlatch Relay	1234#3#
Change Programming Passcode	9999#01????# Default : 9999
Change Access Control Passcode	9999#02????# Default : 1234
Change Relay Time	9999#50?# ? = Time in seconds
Factory Reset to Default Setup	9999#999#

***Open Mode** = Allow ANY number to open gate/door.

***Service Call Number** = *iGate* will call this number every 30 days to avoid SIM card from being deactivated.
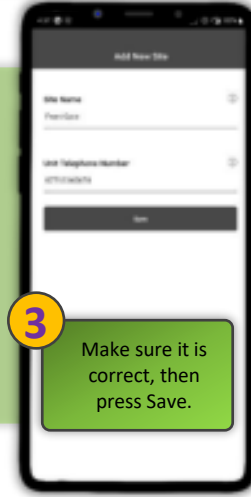
iGATE - GSM Gate Opener

1 Download the programming/user app. 'AES Lite' (QR Codes below)

Tip: Use the **i** symbol for detailed information.
Note: The app will be grey until you select your product type and 'Finish' initial setup.
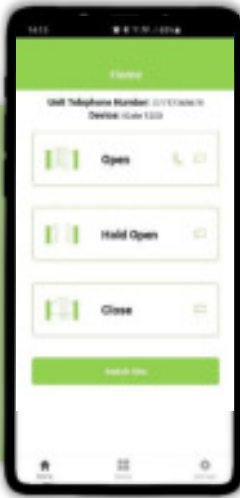
AES Lite App
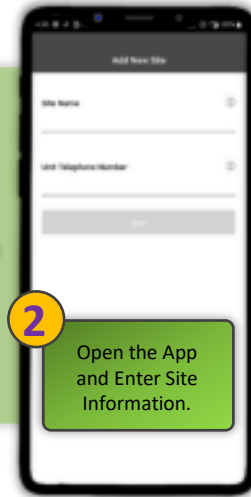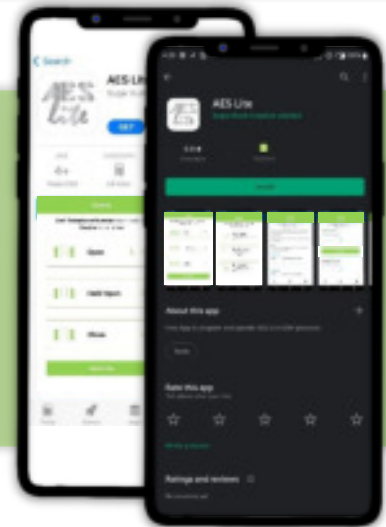
2 Open the App and Enter Site Information.

3 Make sure it is correct, then press Save.

4 Select the iGate 1200 product option and Finish.

Momentary Trigger

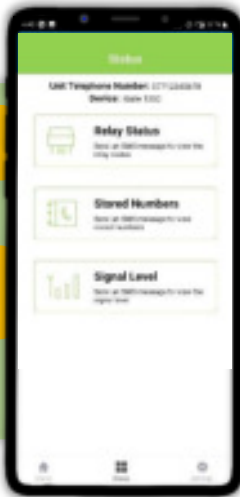**Hold Open Permanently**

Close after Holding

Switch to another site / intercom.

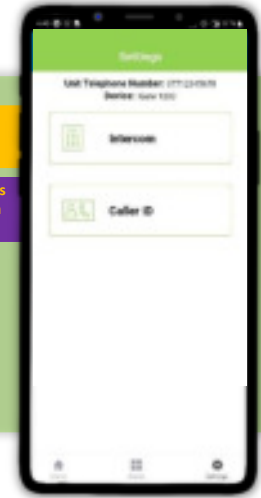Check if the relay is open or closed at any time, remotely.

Check the signal strength to the network at any time. (1-31)

Check all stored numbers saved within the system memory.

Adjust Volumes, Security Passcodes & the Relay's Trigger Time.

Program Caller ID numbers to activate the relay when the unit is called.

iGate 1200 - Complete List of Parameters

The table below show the complete list of features. Programming messages below must begin with 9999# (assuming 9999 is still the programming passcode)…		**Most recent firmware release:** **v1.9.1**

SMS String	Description	Default	Firmware Version
Passcodes			
9999#01code#	Change programming passcode. Code = 4 digit passcode	9999	Original
9999#02code#	Change access control passcode (SMS control of relays, or non-stored numbers can call intercom & enter code to trigger the relay). Code = 4 digit passcode	1234	v1.9.1 (i.e. unstored number to trigger)
Caller ID			
9999#72number#	Store caller ID number (max 14 digits long. 1280 unique numbers). Only last 6 digits compared.	N/A	Original
9999#73number#	Delete caller ID number.	N/A	Original
9999#73*#	Delete all caller ID numbers.	N/A	Original
9999#75X#	Enable Open Caller ID mode. X = 0 or 1 (0 = Disable, 1 = Enable) (allow any unprogrammed number to call unit for immediate access)	0	Original
9999#88X#	Enable KPN Caller ID fix feature. X = 0 or 1 (0 = Disable, 1 = Enable) Feature added by default to prevent potential multi-triggering on some networks.	1	v1.9.1
Service Call			
9999#77number#	Store a service number to receive a scheduled call from the unit every 30 days. Useful for SIM cards which are not often used, to prevent switch off by the network provider.	N/A	Original
9999#77*#	Delete the stored service number	N/A	Original
Relay			
9999#50X#	Relay trigger time. X = 1-9999 seconds	1 sec	Original
1234#X#	Manually trigger,latch or unlatch relay by SMS. X = Relay function. (1 = Trigger relay, 2 = Latch relay, 3 = Unlatch relay)	N/A	Original
Information			
*20#	Check reception level 1-31. Also includes firmware version.	N/A	Original
*21#	Check stored numbers. O = dial out number. I = dial in number. E = end of message.	N/A	Original
*22#	Check input status and relay status.	N/A	Original
Network Settings			
9999#69X#	Change 4G modem to only operate on 2G/3G. [No 4G and no 1 hour ping] **(4G Only)** X = 1 enable ping ; X = 0 disable ping	1	Original
Restore Defaults			
9999#999#	Send with passcode string to clear all programming.	N/A	Original
Hard Reset PCB if programming passcode is forgotten: Short across the PTE terminals in power off state, before powering on. Keep the terminals shorted for 10 seconds when powered on. **N.B. All stored information will be deleted after this process!**		N/A	Original