

\* ALWAYS TEST THE UNIT ON SITE BEFORE INSTALLATION TO AVOID RE-STOCKING FEE \* See full T&Cs on our website

### SIM Preparation

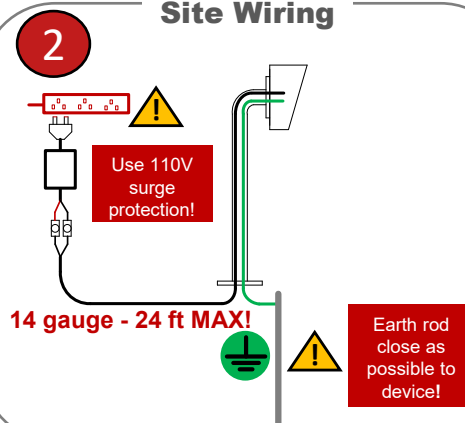
**1** Ensure you read all instructions before continuing.

The **Voice and SMS SIM cards** provided need **activated before use**. Follow the instructions provided or visit our telecoms website for more details:

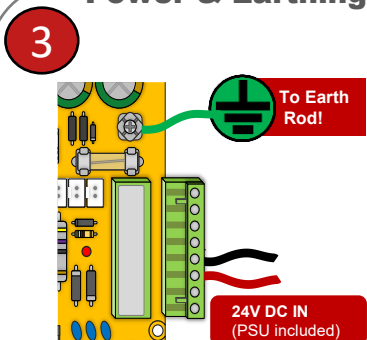
[www.aesglobaltelecom.com](http://www.aesglobaltelecom.com)

Different networks use different APNs, and these must be set correctly for full operation.

### Site Wiring



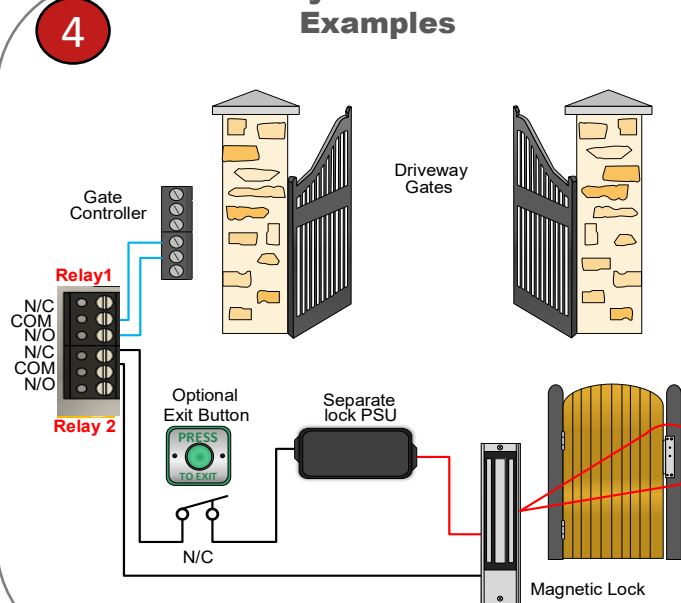
### Power & Earthing



This product **MUST** be **EARTHED** in the following states in order to qualify for manufacturers warranty:

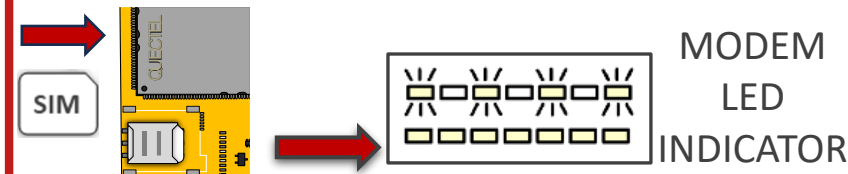
FL, LA, MS, AR, OK, MO, AL, IL, KY, TN, IN, KS, SC, GA, IA, TX, OH, NC, NE, MD, WV, VA, DE

### Relay Connection Examples



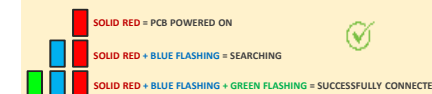
### SIM Orientation/ Network Connection

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



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

#### PCB Status LEDs



### CHANGE APN (for VoLTE / 4G services)

The system includes an AES SIM and will be pre-programmed with the APN to suit. If you wish to use a different SIM then the correct APN must be set for full operation.

**Pre-installed SIM: Telit (AT&T); APN = 30304.mcs**

**N.B. The APN is not affected by a power reboot unless it has been deleted from the system (9999#97\*) or the SIM has been changed.**

Use the below programming string if you wish to add or change the APN. Once you have confirmed the APN enter it in place of 'APNinfo' in an SMS to the intercom. A power reboot is required after the 'OK' reply message is received back.

**9999#97APNinfo#**

If you wish to use another Voice and SMS SIM then please ensure the correct APN is set for full operation. Check with your network provider for the correct APN for 4G data.

### INGRESS PROTECTION



We recommend sealing all entry holes for prevention of insects that can cause issues with a risk of shorting out components.



To maintain the IP55 rating please follow the [Sealing Instructions here](#).

**LIGHTNING PRONE AREAS MUST USE SURGE PROTECTION FOR POWER SUPPLY!**

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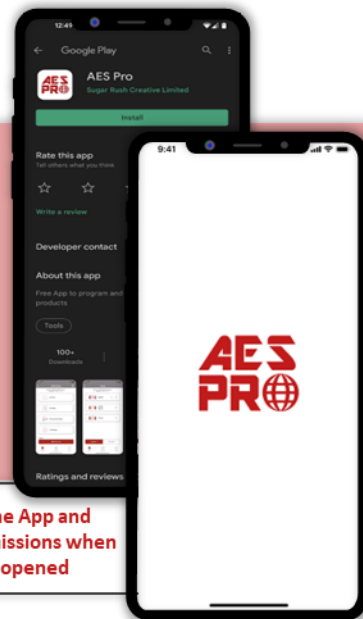
**AES PRO**



AES PRO App

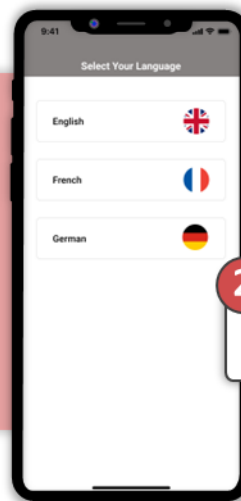
1

Download the App and Accept all permissions when the app is opened



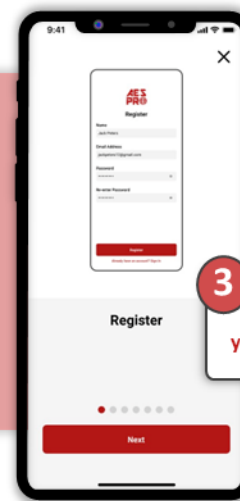
2

Choose your language



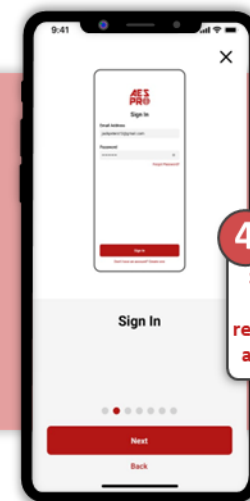
3

Register your details

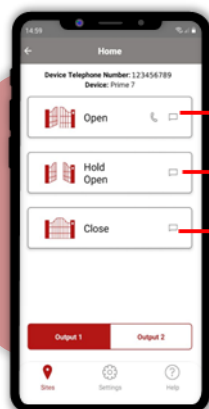


4

Sign in using previously registered email and password



## Using App for End User to Manage Gate/Door



### Trigger

Send trigger command (Call / SMS)

### Latch

Hold open Gate / Door [SMS]

### Unlatch

Release hold open gates to close. [SMS]

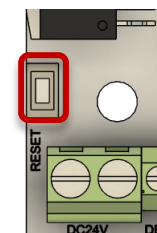
## Add Auxiliaries Unit(s)?

**Step 1: Enable Auxiliary Unit(s).**

**Step 2: Configure Keypads.**

**Step 3: Program.**

## Hard Reset/ Default Unit



1) Power on unit.

2) Press the white microswitch for 7 seconds. (There is a 10 second setting mode for this, beginning with a single beep and ending with a double beep).

3) Four beeps will indicate that the hard reset has been successful.

**Note:** Performing this process will remove all current programming including saved user and access codes!

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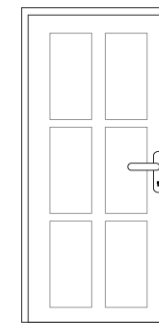
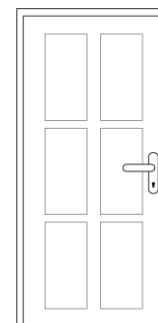
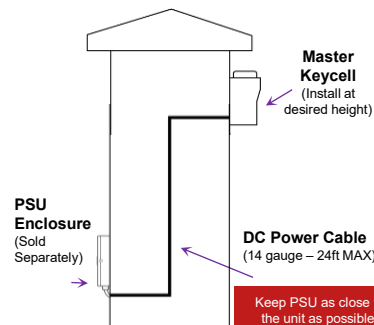
## Compatible Devices

In addition to the Keycell itself, auxiliary devices can also be used on the following units\*:

- Cellcom Prime Edge
- Multicom Pro (Classic and Multibutton)

\*This assumes that the unit will have a keypad from which to connect to the additional auxiliary device(s).

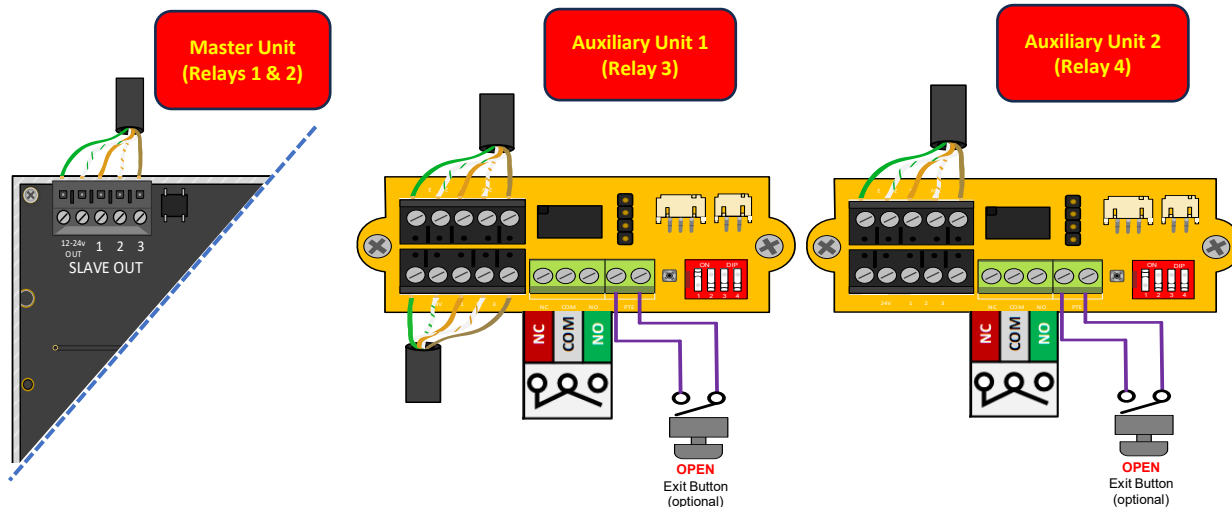
## Auxiliary Positioning and Wiring Specification



Maximum Distance:

Using CAT5 cable – up to 150 feet per power supply, supporting a maximum of 2 units.

## Wiring between Units



## Please Note!

Up to 6 separate units can be added to a single master. This will provide a maximum of 8\* separate relays to control.

\*The Master Unit can only operate one relay via the keypad i.e. Relay 1 or 2. The remaining relay can still be operated via Caller ID, SMS, and Push-To-Exit.

All connections will be pre-wired to the auxiliary sounder PCB. The 5-way terminal blocks are used to connect between devices- 2 cores for power; 3 for communication.

## Step 1: ENABLE

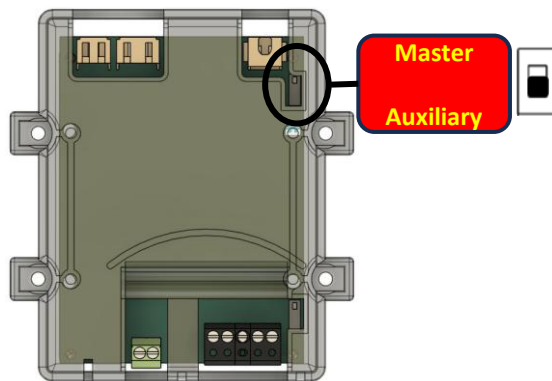
Enable Auxiliary Mode on the Master unit via SMS:

9999#001# (Keycell/ Cellcom Prime Edge)

9999#00#1# (Multicom Pro (Classic or Multibutton))

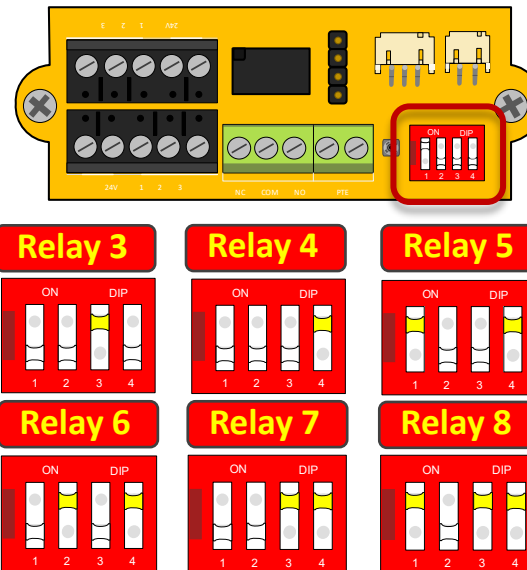
Send \*20# command to confirm unit is now in Auxiliary Mode.

Now set the slide switch on the Master Keypad to Auxiliary ('A') Mode. Ensure the Auxiliary unit keypads are also set to Auxiliary Mode. See below diagram:



## Step 2: CONFIGURE

Set the relay number on the Auxiliary unit sounder PCB.



Configure the Auxiliary Keypad accordingly, by typing in the following on each Keypad:

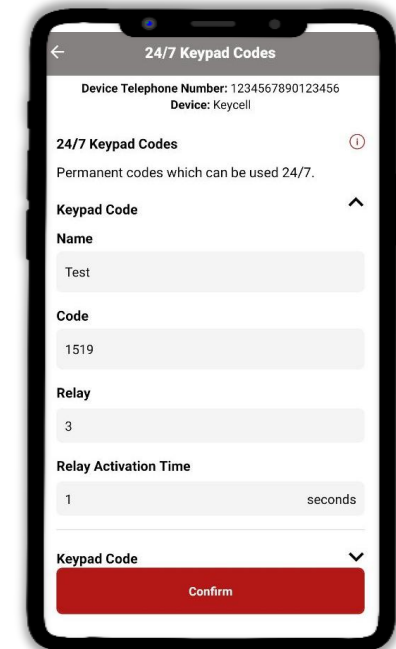
**\*#91#RelayNumber#**

(Relay Number = 3-8)

Please Note: The Master Keypad will operate Relay 1 by default. This can be changed to Relay 2 using the above configuration. (Caller ID, SMS, and Push-To-Exit can be used to trigger the non-Keypad operated Relay). An Auxiliary Keypad can also be used as an Exit Keypad (Relay 1 or 2). The keypad tones from this configuration will be played through the master unit.

## Step 3: PROGRAM

Use the AES Pro App to program Keypad codes and Proximity cards to both Master and Auxiliary units.



Please Note: The same code/card can be used on multiple units! E.g. Code 1519 to trigger Relay 1 (Master); Relays 3 and 4 (Auxiliaries).