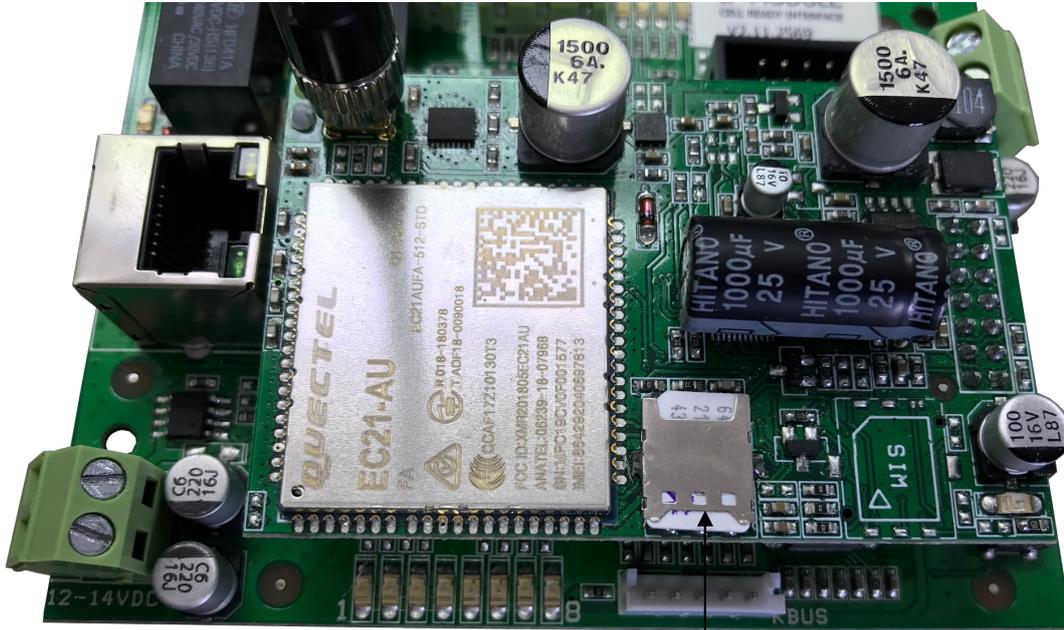


4G-IP-MODULE

The 4G-IP MODULE consists of a standard IP-MODULE with the plug in 4G Cellular card fitted. It is predominantly designed for cellular monitoring but can work as a wired Ethernet system as the primary reporting path with Cellular as the back-up path or as Cellular as the primary reporting path.

It supports IP Monitoring and personal monitoring via text or emails.



1

8

NANO SIM CARD SLOT

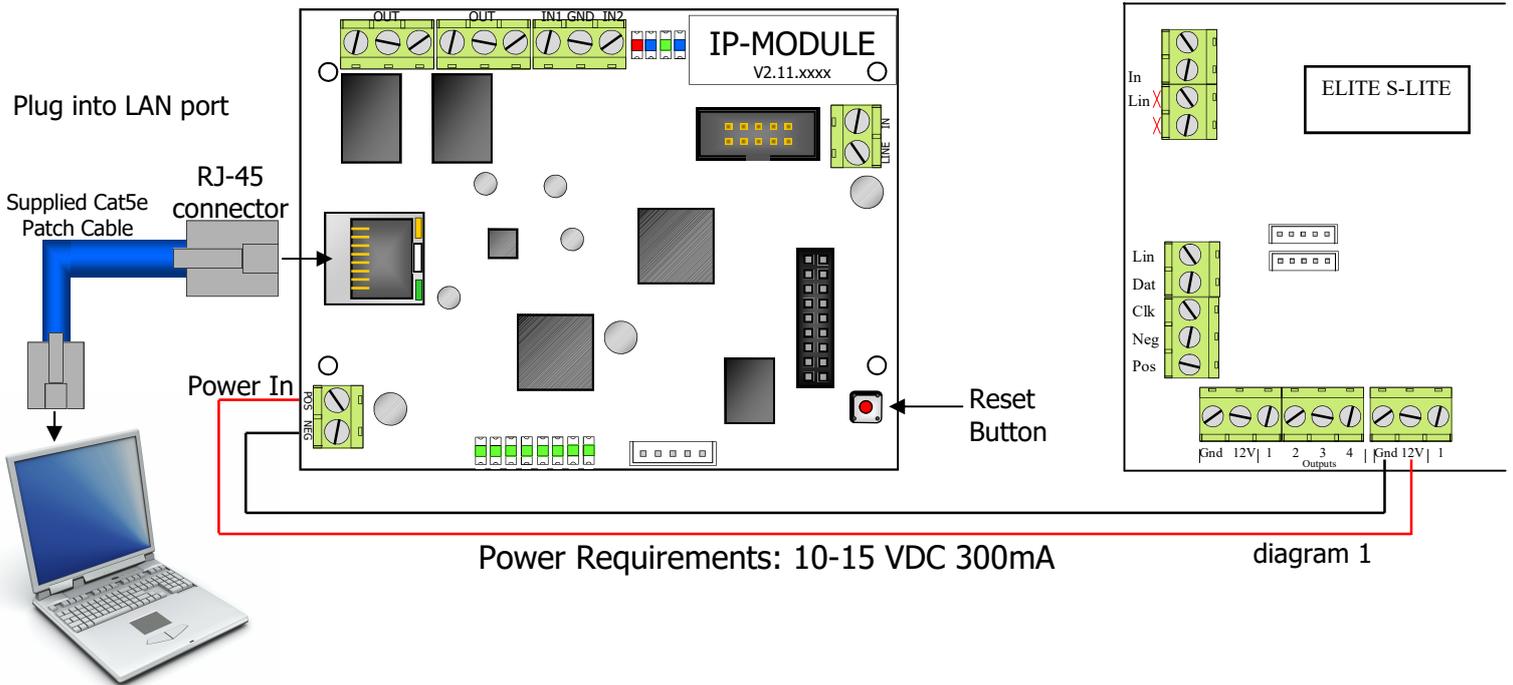
SIM
CARD

NOTE: Always power down the IP-MODULE before inserting or removing the SIM card.

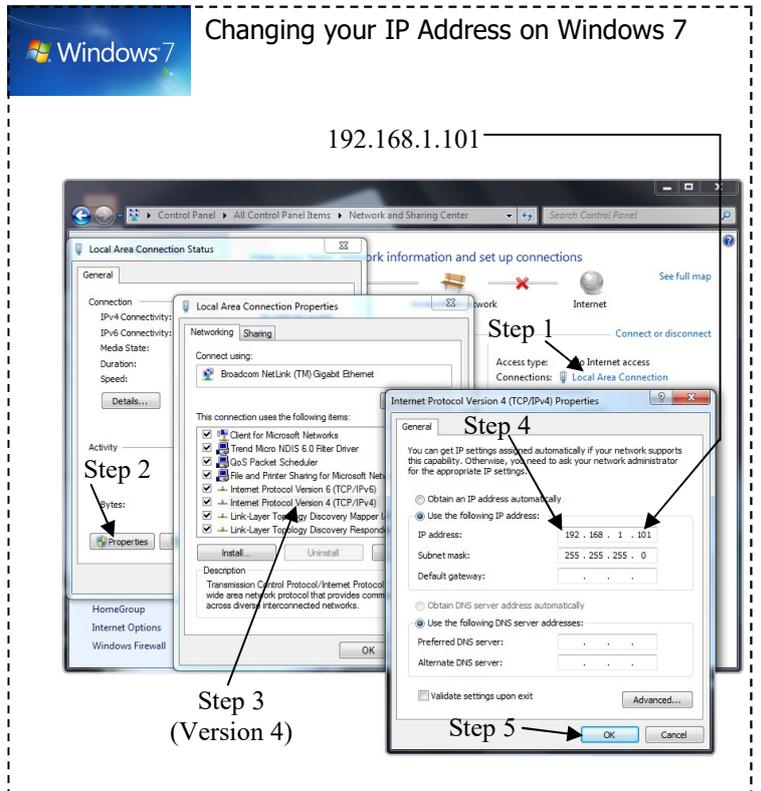
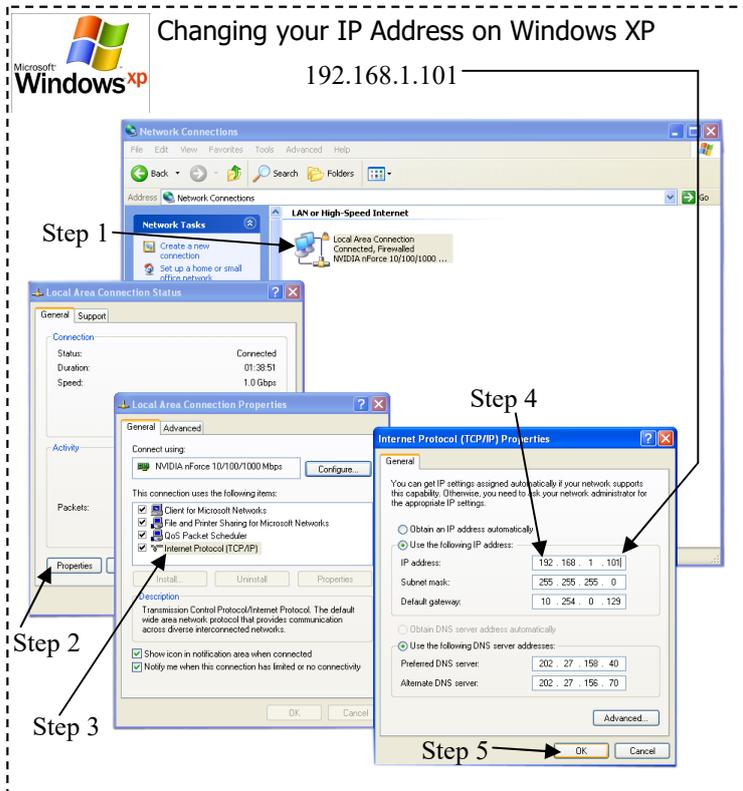
LED NUMBER	
1-4	<p>RSSI (signal strength) 1 ON = Low Signal strength 1,2,3,4 ON = High Signal strength LEDS cycle back and forth until a network connection is made</p>
5	<p>SIM FAIL This LED turns on at start-up and goes off when the SIM card is read successfully.</p>
6	<p>NETWORK UP This LED turns on at start-up and goes off when the 4G IP is connected to the cellular network.</p>
7	<p>INCOMING CALL This LED will turn on for 2 seconds when a call is received. Can be used to test a SIM card by calling the number associated with the SIM</p>
8	<p>SMS RECEIVED This LED turns on for a few seconds when an in-coming Text (SMS) message is received.</p>

HOW TO TALK TO AN IP-MODULE fitted with 4G Cellular Card

1. Connect the IP-Module to your Computers LAN port with the supplied Patch cable.
2. Connect power to the IP-Module, this can come from the Alarm Panel or even a 12V battery.



3. Before your computer can communicate with the IP-Module you may have to set the computers IP address. Address must be within: 192.168.1.□□□ (1 to 243) **Don't use 192.168.1.100** Recommended IP = 192.168.1.101 Choose your version of windows you're using and follow the steps below.

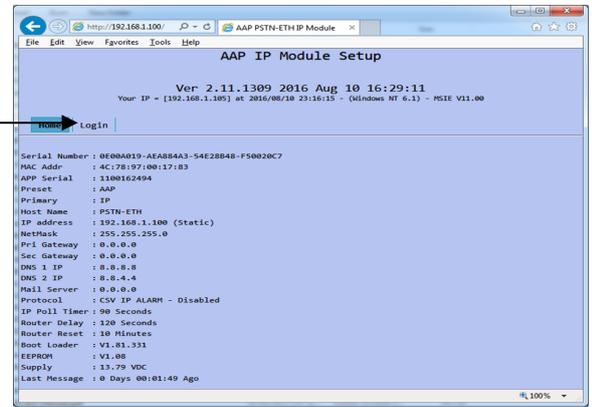


4. Open your web browser: Internet Explorer, Safari, Fire-Fox or Google Chrome
5. In the browser type in the IP-Modules Address **192.168.1.100** then press **Enter**
The IP-Modules Home page should come up

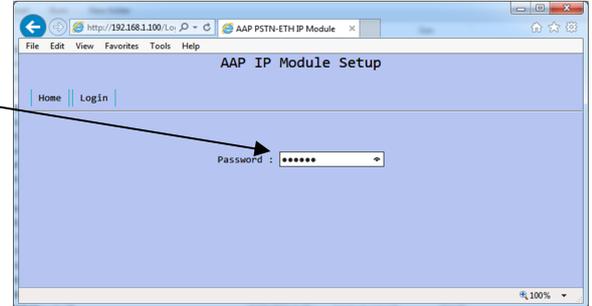


NETWORK SETUP

1. From the IP-Modules Home page Click Login



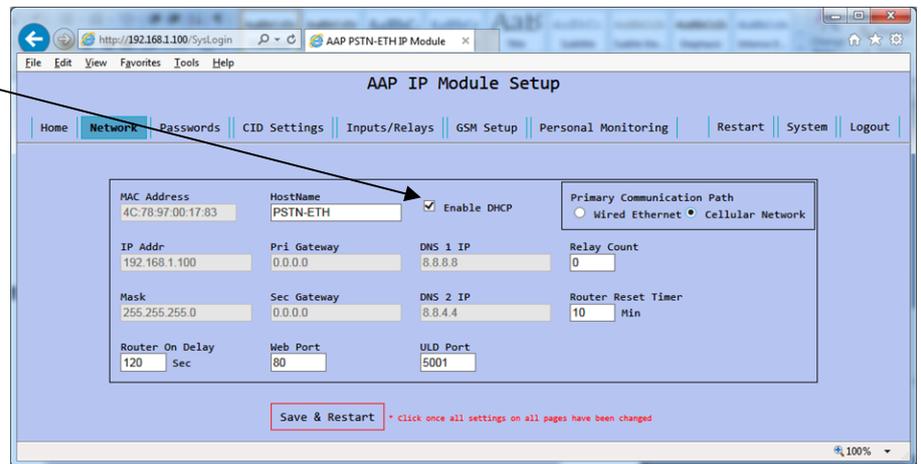
2. Click in the Password box and type in the System Password **000000** then press **Enter** (000000 is the default system password)



3a. For simple Network Setup click on the Box **Enable DHCP** (a small tick will appear).

With DHCP enabled the IP-Module will automatically request the network configuration from the router. Please note that the Router will also assign the IP-Module with a new IP Address.

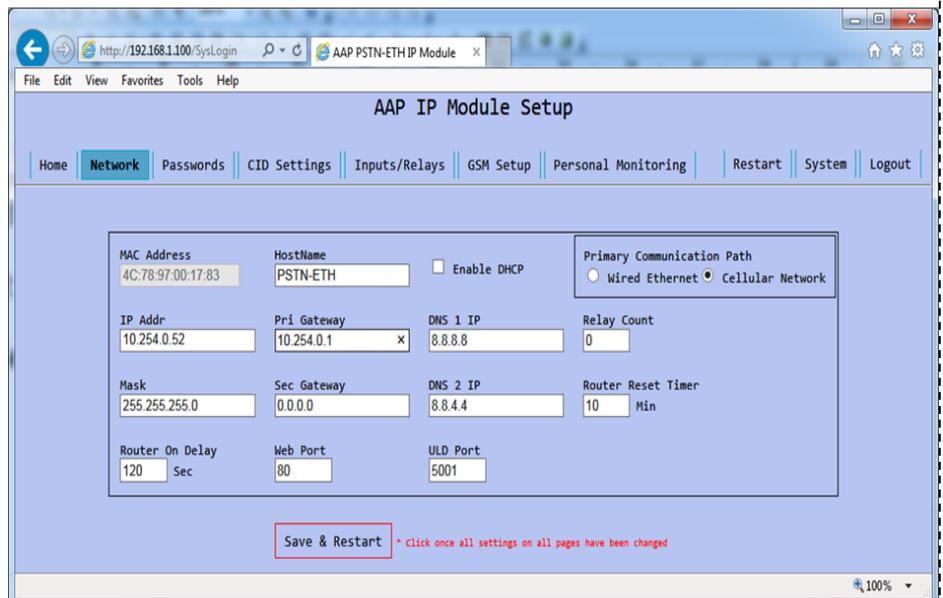
4. Now continue the rest of your Setup. Go to 3G setup to get the cellular connection working then setup the CID and/or Personal monitoring details.



For Advance Setup Only

3b. If you require an advance Network Setup, don't enable **DHCP** instead you can enter your own Gateways, DNS numbers, IP Address and Port number

4. Now continue the rest of your Setup



Example Only.

4G SETUP

1. Select the GSM Setup tab.

2. Enable Cellular Network.

3. Setup The Cellular Poll CID event code.

4. Set the required Cell Poll Timer.

The screenshot shows the 'AAP IP Module Setup' web interface. The 'GSM Setup' tab is selected in the navigation menu. The interface contains the following elements:

- Navigation:** Home, Network, Passwords, CID Settings, Inputs/Relays, **GSM Setup**, Personal Monitoring, Restart, System, Logout.
- Enable Cellular Network:** A list of checkboxes including 'Enable Cell Network' (checked), 'Enable SMSError Reporting', 'Send Cell Fail CID', 'Enable SMS Remote Control', 'Use IP Poll Timer as Retry on GSM Fail', and 'UnLock Cell Provider DNS Servers'.
- Cellular Settings Table:**

CELL Module Version	1.05	626
Cell Poll CID	803	
Cell Fail CID	804	
Cell Network Timeout	60	Seconds
Cell Network PollTimer	120	Minutes
Cell Poll Retry Timer	120	Minutes
Cell Recovery Timer	30	Seconds
IP Startup Timer	60	Seconds
- Provider Settings:** Provider (M2M One NZ), GSM APN (m2m), Username, Password, AuthType (None), DNS1 (202.27.158.40), DNS2 (202.27.156.72), Use Preset (M2M One NZ).
- Buttons:** 'Save & Restart' button with a note: '* Click once all settings on all pages have been changed'.

5. Select the Cellular Provider APN settings from the supplied defaults list or manually enter the data. There MUST be an entry in the "GSM APN" and "DNS1 & 2" boxes.

CID SETUP (for Monitoring Station Communication)

1. Contact a Monitoring station to setup an IP-Monitoring account.
2. Fill in the boxes below with information provided by the Monitoring station.

Monitoring Information

Account Code (A) ✓	✓ = Must have information		IP Monitor Fail CID Code (optional)
User Name (optional)	User Password (optional)		
Monitor Name (IP Address) (C) ✓	Monitor Port # (B) ✓	CID Code (optional)	Polling Interval (optional)
Alternative Monitor Name	Alt Monitor Port #	CID Code (optional)	
IP ALARM Protocol (tick one) ✓			
<input type="checkbox"/> CSV IP ALARM	<input type="checkbox"/> PATRIOT LS-30	<input type="checkbox"/> AAP ECID	

3. Continuing from Network setup Click on CID Settings

4. Make sure Enable CID Reporting is Ticked

5. Start filling in all the monitoring station info:

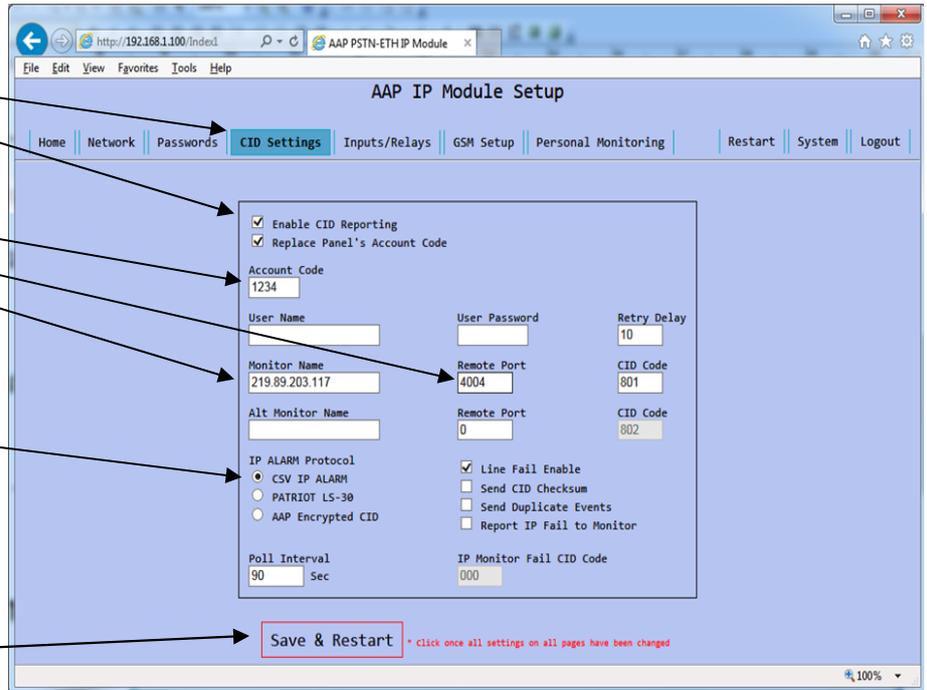
- A.
- B.
- C.

(putting any other info requested)

6. Now select the IP Alarm Protocol

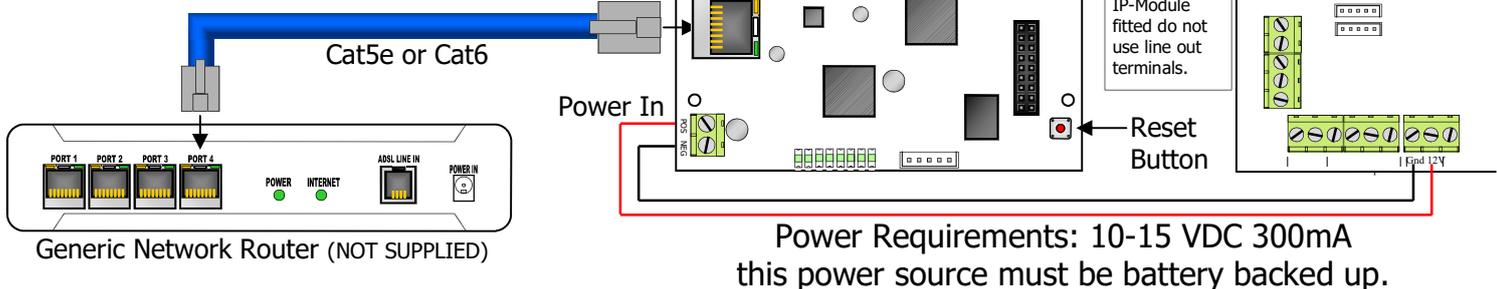
7. Once all info is entered press the **TAB** key

8. Then click on **Save & Restart**



Example Only.

9. Power down the IP-Module and wire it up to the Alarm Systems dialler line-in. Connect the Ethernet port to the internet router if the Primary monitoring is set to Wired IP (see Network Page).



PERSONAL MONITORING SETUP (Text and Email)

1. Enable Personal Monitoring. You MUST press "Save and Restart" before you can enter any data.

2. You can select the CID (Contact ID) event you want to recognise then program up to 32 characters of text that will be sent as a Text or email. NOTE: a "," cannot be used in the text.

3. The Subject Header can be up to 64 characters in length. You can use this to identify the site name and/or address. It is sent with every text or email. NOTE: a "," cannot be used in the text.

3. There are 6 alarm recipients. A recipient can be a mobile number or an email address. Enter in mobile numbers with the country code in front, eg a mobile# 0274 123456 should be entered as 64274123456.

4. If a text is received by the unit it can send it to a cellular number that is ticked here. For example if a prepay SIM card is used a top up message can be forwarded to one of the phone numbers. For this to happen the "Enable SMSError Reporting" box needs to be ticked on the GSM page.

The screenshot shows the 'AAP IP Module Setup' web interface. The 'Personal Monitoring' tab is selected. At the top, there is a navigation bar with 'Home', 'Network', 'Passwords', 'CID Settings', 'Inputs/Relays', 'GSM Setup', 'Personal Monitoring', 'Restart', 'System', and 'Logout'. Below this is a checkbox for 'Enable Personal (SMS) Reporting'. The main area contains a table with columns for 'CID Event', 'Message', and 'Recipients'. The table lists various events like 'New Event', 'Restore', 'Burglary', 'Low Battery', 'AC Loss', 'User', 'Quick Arm', 'Radio User', 'Service Test', and 'Zone' alarms. Below the table is a red warning message: 'Any of the above entries are updated immediately. And will NOT be restored to their previous value on Logout'. At the bottom, there are fields for 'Recipients (email or mobile number)', 'Send Admin Text Alerts', and 'Email / Text Subject Header'. There are also 'Test Email' and 'Test SMS' buttons, and a 'Save & Restart' button. A note at the bottom right says 'Click once all settings on all pages have been changed'.

OPERATING AND TROUBLE SHOOTING

LED INDICATIONS			
	BLUE FAST FLASHING 4 flashes every second	Ready	Wired Network detected
	BLUE SLOW FLASHING 1 flash every second	Fault	No Network detected
	GREEN STEADY	Dialling Out	The alarm panel connected to the Line-in terminals has Looped the line and is attempting to dial out.
	BLUE STEADY	Monitoring Fail	Unable to connect to the Monitoring Station. If the primary path is set to Cellular and the wired IP is not connected this LED will be ON.
	RED FLASHING	ULD Operating	Remote Upload/Download software is accessing the Panel through the IP-Module
	ALL FLASHING	DEFAULT	There is no programming saved in the module

Getting Back into Program Mode with DHCP Enabled

Once you have Enabled DHCP and connected the IP-Module to the router a new IP Address will automatically be assigned. This can cause a problem when you try to get back into it's web page to change programming.

Follow these steps to get back into the web page:

1. Power down the IP-Module.
2. Connect the IP-Module directly to your PC/MAC (as shown in diagram 1 on page 2)
3. Power up the IP-Module.

You will then be able to use the default IP address (192.168.1.100) to get into the setup web page.

Resetting

Warning, performing a Reset will wipe all programming fields and return the IP-Module back to factory default. This includes returning it's IP address back to (192.168.1.100).

To reset simply press and hold the reset button  until the LED turns Off. (about 5 second) 

These 4 LED's will start flashing, when you press the reset button

ALARM SYSTEM SETUP FOR CID and Personal REPORTING

The Alarm System must also be programmed for reporting

You will need to program in:

1. A telephone number (we recommend using 1234567890)
2. That telephone number must be set to Contact ID reporting format.
3. The dialler must be enabled.

If you are using an **Elite S/S-Lite** here are the Programming Addresses:

1. **P 181 E 1 E** (put in a phone number 1234567890) **E**
2. **P 182 E 1 E** turn option **1 ON** and **E**
3. **P 175 E 1 E** turn option **1 ON** only and **E**

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