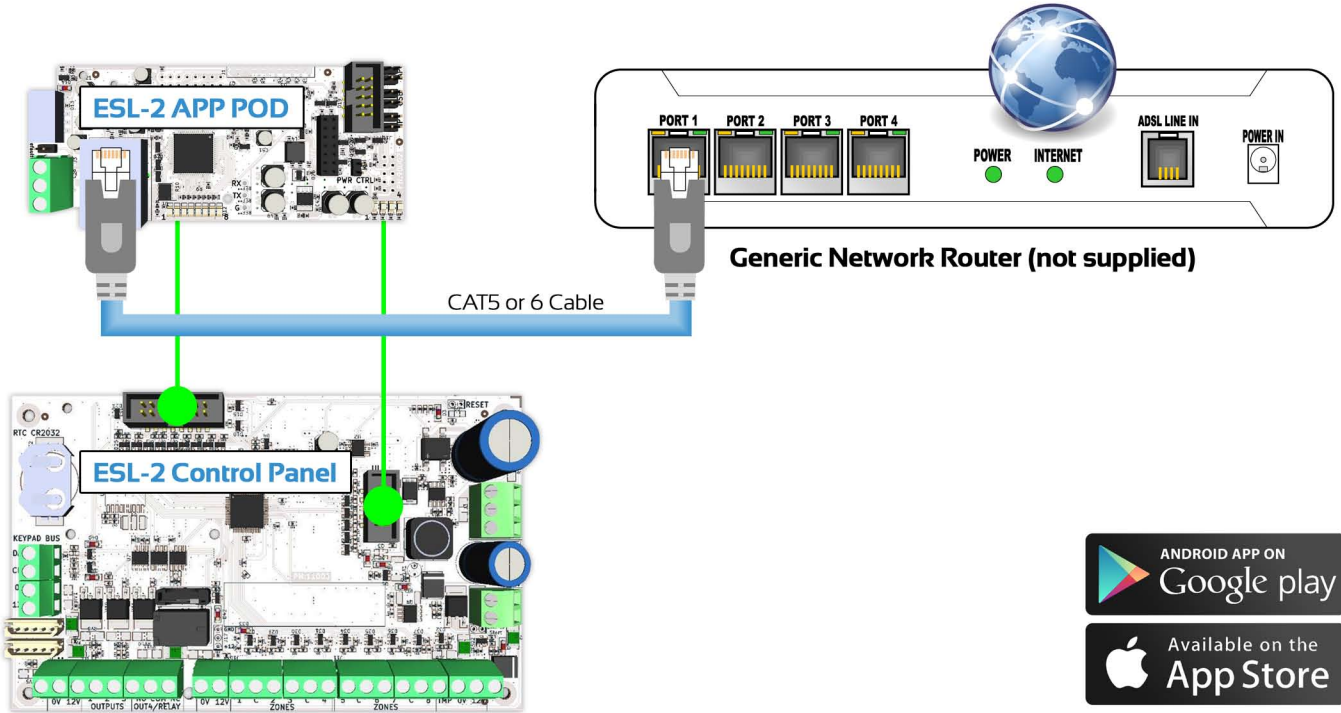## ESL-2 APP POD

ESL-2 App, Hardware & Programming

The 'ESL-2 APP POD' is a plug in app module or network monitoring device for ESL-2 security systems

Note: ESL-2 must be powered down before completing the following steps

ESL-2 APP POD Hardware Connections:

Generic Network Router (not supplied)

CAT5 or 6 Cable

Smartphone - Initial Setup

Each 'ESL-2 APP POD' comes with a sticker containing a 'Mac' & 'Serial' ID number. This is to link your specific module with your app

Download the 'Elite Control' app from 'App Store' or 'Google Play' and complete the following setup procedure:

Accept terms
&
conditions

Enter Mac & Serial
from details
provided

Enter your details:
Passcode must be the same as
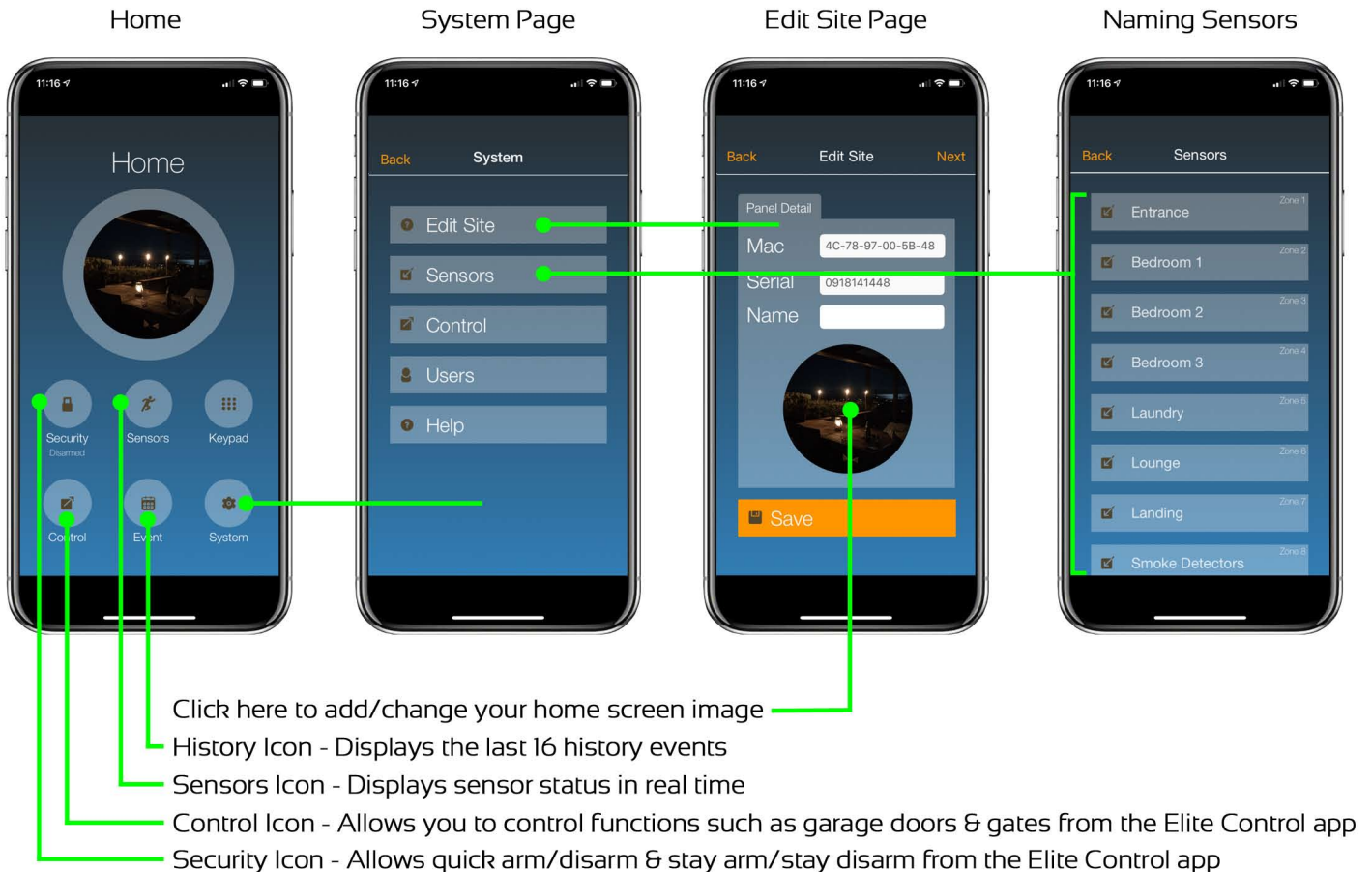the keypad arm/disarm code

Enter a site name of
your choice

Smartphone - Setup Continued

After entering your name, email, phone number & passcode, the app will take you to the home page. To complete the app configuration, press the 'System' icon in the bottom right corner of the 'Home' page. This will take you to the correct section to change the home image, rename sensors, rename the control functions & more

See below for examples:

Home	System Page	Edit Site Page	Naming Sensors

Click here to add/change your home screen image

History Icon - Displays the last 16 history events

Sensors Icon - Displays sensor status in real time

Control Icon - Allows you to control functions such as garage doors & gates from the Elite Control app

Security Icon - Allows quick arm/disarm & stay arm/stay disarm from the Elite Control app

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## Push Notification Programming

Push notifications are activations from your alarm panel sent directly to your smartphone. Many of the app functions will work by default, however you will need to complete the following programming for push notifications to operate:

- 'P' = PROG & 'E' = ENTER

- P 000000 E (default install code) - Enters install programming as per full manual or quickfit guide

- P 175 E 1 E 1 E - Turns on dialler (this turns option 1 on at address 175 E 1 E)

- P 181 E 1 E 123 E - Enters a phone number for the system to dial - It doesn't matter what number, but a number is required for the system to send a signal

- P 182 E 1 E 1 E - Makes sure the phone number format is set to CID (option 1 at address 182 E 1 E)

- Exit program mode - P E

Custom Programming & Monitoring Setup

The 'ESL-2 APP POD' can also be used to send monitoring signals from the ESL-2 alarm panel directly to a monitoring station. This will require the advanced programming detailed below:

1 - Make sure 'ESL-2 APP POD' is plugged into your ESL-2 panel and is displaying some indicator LED's

2 - Connect the 'ESL-2 APP POD' to your computers LAN port with the supplied Ethernet cable
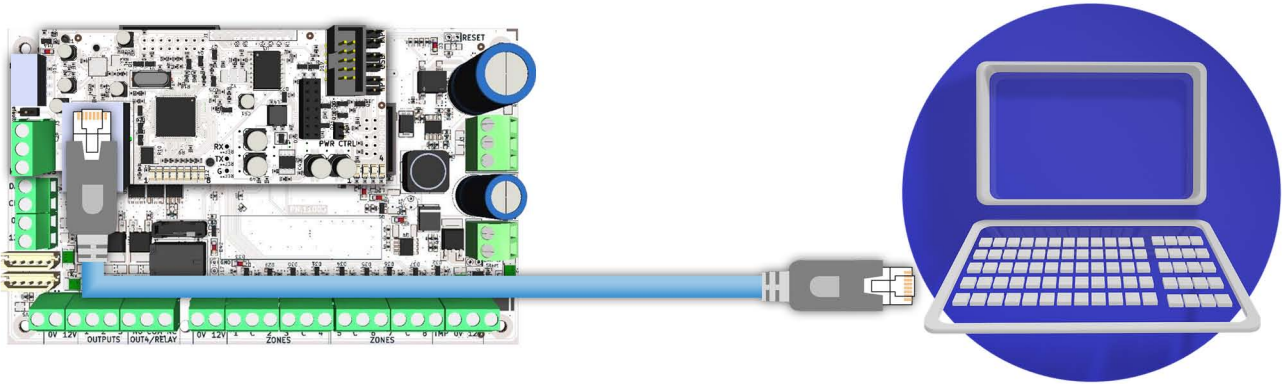
3 - The default IP address for the 'ESL-2 APP POD' is **192.168.1.100**
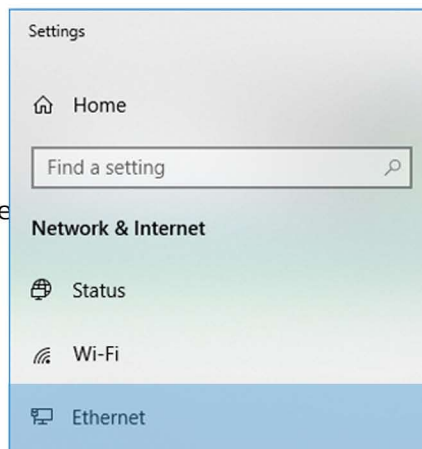
You will use this to connect to the module but first you must change/fix the computers IPV4 address to be in the same IP range. I.e. **192.168.1.101 -** You can use anything from 192.168.1.101 to 192.168.1.254

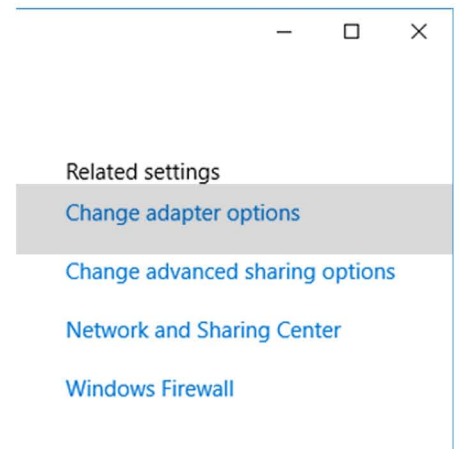4 - To change you computers IP address, follow the steps below:

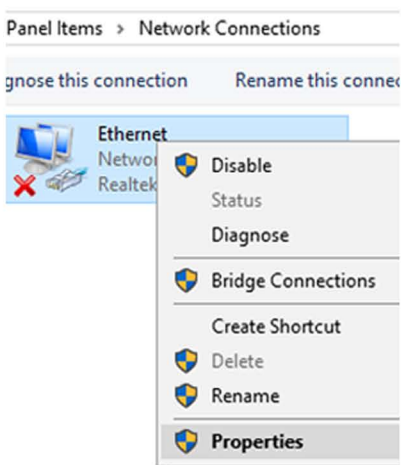Type 'network' into your search tab, then click 'Network proxy settings'
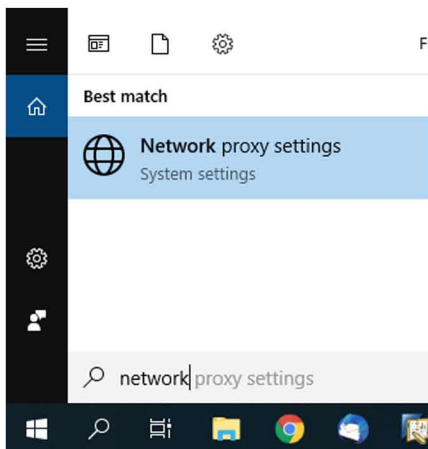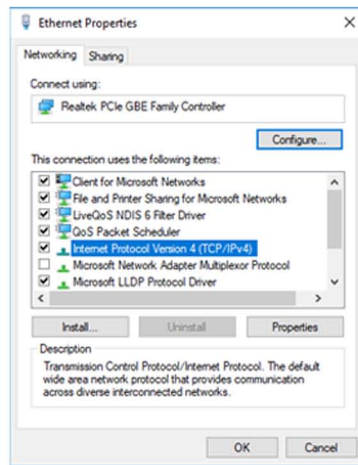
Click on 'Ethernet' to enter this menu

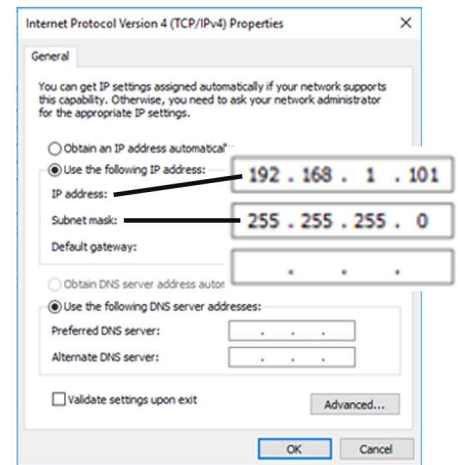Click on 'Change adaptor options' to enter this menu

Right click on the 'Ethernet' icon, then click 'Properties'

Double click on 'Internet Protocol Version 4 (TCP/IPV4)'

Select 'Use the following IP address' & Enter the IP address as detailed below:
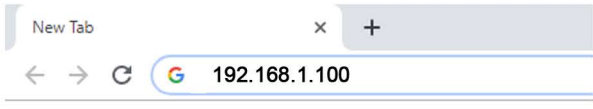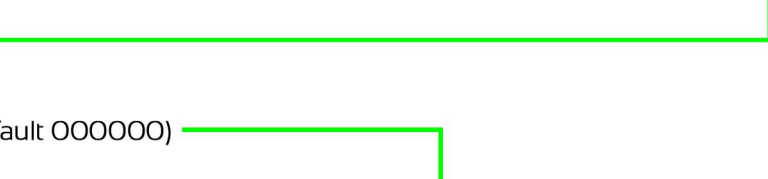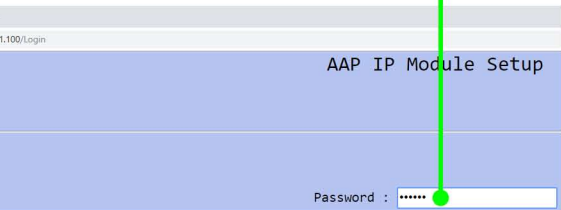
Web Browsing Into Your ESL-2 APP POD

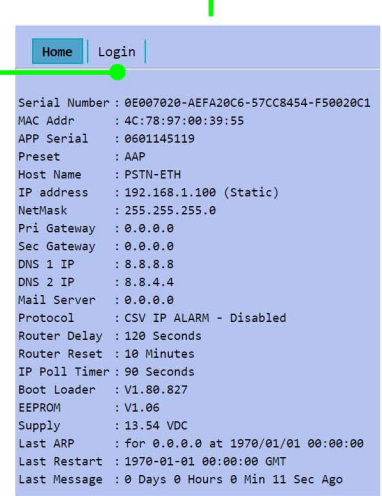You are now ready to browse into you module for programming.

Note: You must close the IP pages mentioned on the previous page for the settings to take effect.

1 - Open your web browser - Chrome, Internet Explorer, Safari or Fire-Fox and enter the default IP address of the ESL-2 APP POD (**192.168.1.100**), then press enter. The home page of the module should appear.

Web Browser:

New Tab   ✕   +

← → C   G   192.168.1.100

Login Page

Password (default OOOOOO)

| Home | Login |

AAP PSTN-ETH IP Module   ✕   +

← → C   ⚠ Not secure | 192.168.1.100/Login

AAP IP Module Setup

| Home | Login |

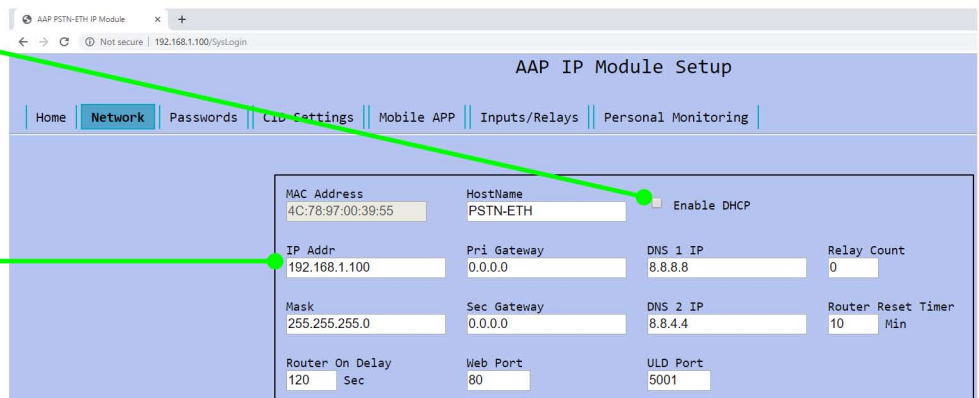Password : ••••••

```
Home | Login
Serial Number : 0E007020-AEFA20C6-57CC8454-F50020C1
MAC Addr     : 4C:78:97:00:39:55
APP Serial   : 0601145119
Preset       : AAP
Host Name    : PSTN-ETH
IP address   : 192.168.1.100 (Static)
NetMask      : 255.255.255.0
Pri Gateway  : 0.0.0.0
Sec Gateway  : 0.0.0.0
DNS 1 IP     : 8.8.8.8
DNS 2 IP     : 8.8.4.4
Mail Server  : 0.0.0.0
Protocol     : CSV IP ALARM - Disabled
Router Delay : 120 Seconds
Router Reset : 10 Minutes
IP Poll Timer : 90 Seconds
Boot Loader  : V1.80.827
EEPROM       : V1.06
Supply       : 13.54 VDC
Last ARP     : for 0.0.0.0 at 1970/01/01 00:00:00
Last Restart : 1970-01-01 00:00:00 GMT
Last Message : 0 Days 0 Hours 0 Min 11 Sec Ago
```

Simple Network Setup

Tick DHCP and the module will automatically be given a new IP address when plugged into the router

Advanced Network Setup

Do not enable DHCP for advanced networks. Instead you can enter your own gateways, DNS numbers, IP address & port numbers
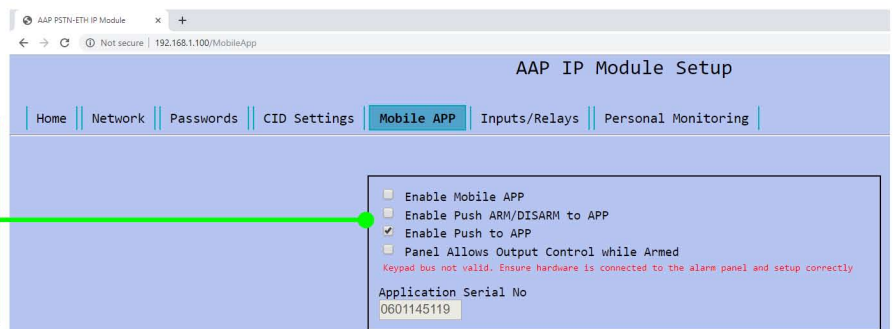
AAP PSTN-ETH IP Module   ✕   +

← → C   ⓘ Not secure | 192.168.1.100/SysLogin

AAP IP Module Setup

| Home | Network | Passwords | CID Settings | Mobile APP | Inputs/Relays | Personal Monitoring |

MAC Address	HostName	☐ Enable DHCP	
4C:78:97:00:39:55	PSTN-ETH		

IP Addr	Pri Gateway	DNS 1 IP	Relay Count
192.168.1.100	0.0.0.0	8.8.8.8	0

Mask	Sec Gateway	DNS 2 IP	Router Reset Timer
255.255.255.0	0.0.0.0	8.8.4.4	10 Min

Router On Delay	Web Port	ULD Port	
120 Sec	80	5001	

Smartphone App Options

Under 'Mobile APP' you can change the app settings to suit. These options are:

- Enable Mobile App

- Enable Push Arm/Disarm to APP

- Enable Push o APP

- Panel Allows Output Control While Armed

AAP PSTN-ETH IP Module   ✕   +

← → C   ⓘ Not secure | 192.168.1.100/MobileApp

AAP IP Module Setup

| Home | Network | Passwords | CID Settings | **Mobile APP** | Inputs/Relays | Personal Monitoring |

☐ Enable Mobile APP
☐ Enable Push ARM/DISARM to APP
☑ Enable Push to APP
☐ Panel Allows Output Control while Armed
Keypad bus not valid. Ensure hardware is connected to the alarm panel and setup correctly

Application Serial No
0601145119

Note: The MAC & Serial numbers for the Elite Control app are provided with the unit by default. If these are lost or missing they can be found on the home page of the web browser

Press 'Save & Restart' when you are satisfied with your programming changes to save configuration

IP Monitoring Via 'ESL-2 APP POD'

The ESL-2 APP POD can also be programmed to send contact ID information to a monitoring station for guard response. See below for the information you will require from your desired monitoring company and the programming options required to configure the module

Gather the information displayed in the table below from you monitoring station. This is required to configure the ESL-2 APP POD for guard response monitoring

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) ✔			
CSV IP ALARM	PATRIOT LS-30	AAP ECID	

After completing the network set up (as explained on the previous page), you are required to enter the 'CID Settings' section. This is where you are required to enter the information gathered from the monitoring station. See below:

Enable CID Reporting

(A) Account Code

(B) Monitor Port#

(C) Monitor Name (IP address)

Select monitoring station receiver protocol

Once all the correct information has been added, press the TAB key, then click Save & Restart

ESL-2 APP POD Jumper Pins

There are 3 sets of gold pins on the ESL-2 APP POD, called 'IP', 'USB' & 'IAP'. These pins are used to change the function of the serial port as detailed below:

The jumpers can be left on any setting to use the ESL-2 APP POD with the app

There are 2 jumpers for each function. Both need to be moved for the function to correctly operate

Note: ESL-2 must be powered down before moving the jumper pins. Repower when complete
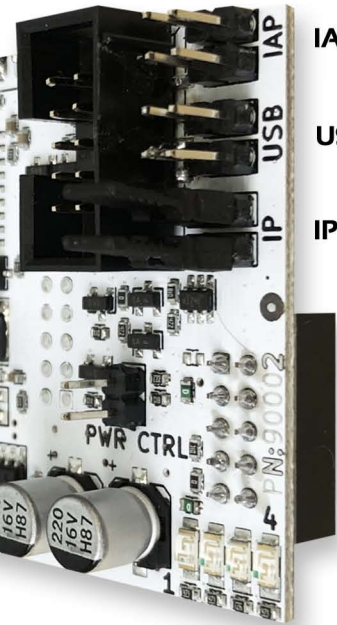
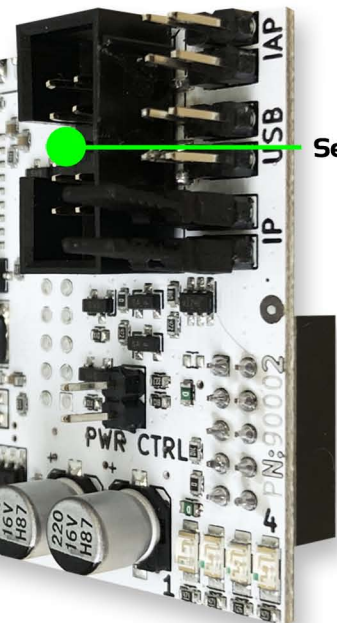**IAP** - This is the jumper position for using our 'IAP' firmware update software

USB - This is the jumper position for using the USB-D-LINK for upload/download of the system

IP - This is the jumper position for remote upload download of the system
Note: Port forwarding is required for this function

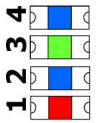**USB D-LINK -** ESL & ESL-2 upload/download cable

Serial Port - For use with USB-D-LINK upload/download cable for firmware upgrades, saving panel config, PC programming & review

EliteControl

Trouble Shooting

Follow the table below to help identify the status of your ESL-2 APP POD Module

LED INDICATIONS

BLUE FAST FLASHING 4 flashes every second	Ready	Network detected
BLUE SLOW FLASHING 1 flash every second	Fault	No Network detected
GREEN STEADY	Dialling Out	The alarm panel connect 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.
RED STEADY	APP Server Fail	The IP-Module has failed to connect to the network router and be assigned an IP address/gateway
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
LED 3 & 4 Alternating	Setup Error	Neither CID or Mobile APP reporting is enabled

Resetting the Module

The ESL-2 APP POD is equipped with 2 x gold pins for restoring the unit to its factory default. These pins are located between the relay and relay terminals.
Short pins for 6 seconds to restore factory defaults.
The 4 LED's displayed here should start flashing together when the reset pins are shorted
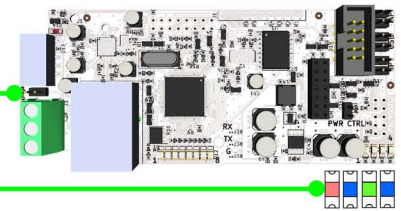
Router Reboot

The ESL-2 APP POD monitors whether internet is present at all times. Should you lose internet due to a router fault, the inbuilt relay on the ESL-2 APP POD is designed to reboot the router. This is achieved by wiring the router power through the COM & N/C of the network module relay. See below for an example

ADSL LINE IN   POWER IN

Router Power Supply

Generic Network Router
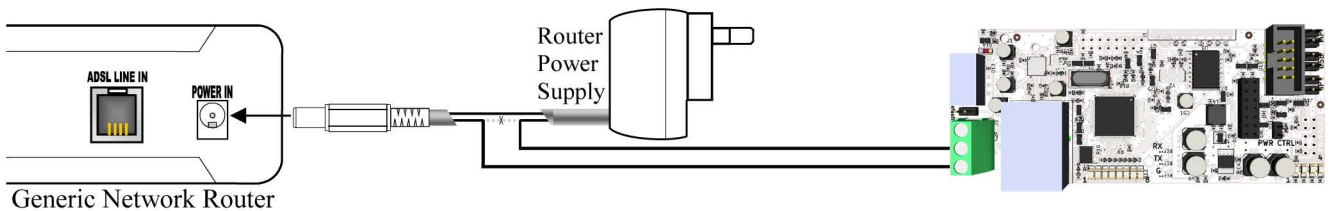
Configuring router reboot can be found under 'Network' in the web browser. 'Relay Count' represents the amount of reboot attemps and 'Router On Delay' represents the time the router has to come back online before another reboot attempt

Home   Network   Passwords   CID Settings

Router On Delay
120   Sec

Relay Count
0
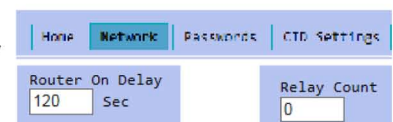
Power Failure

Check that your network is backed up! In the event of a power failure, this network module will not be able to report without a UPS or battery back up on your router and ONT.

EliteControl
www.aap.co.nz