

## How to enable and setup the SmartLan Connection

### Introduction

This technical note will show you how to connect, enable and configure the SmartLan Ethernet interface so that you can connect the Ness SmartLeague software using the Ethernet connection rather than a serial connection.

### Things to know before you begin

You must know a current user code that is programmed in the panel.

These instructions use both SmartLeague programming software and keypad programming.

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### Installing the SmartLan Ethernet Module

1. Disconnect all power sources to the control panel (Mains and battery power).
2. Remove the earth connection screw from the control panel.



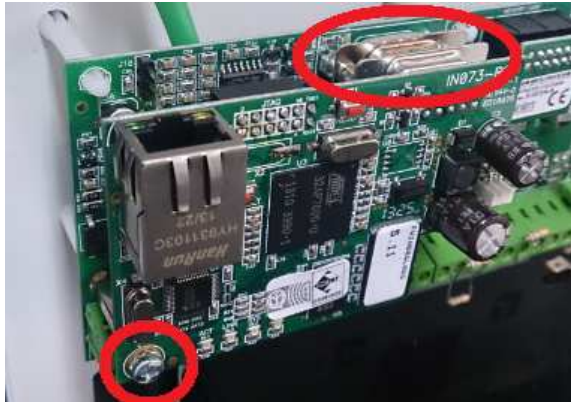
3. Install the metal spacer screw that is included with the SmartLan.



4. Plug in the SmartLan into the RS232 port on the control panel, and screw in the screw into the metal spacer from step 3.



Before installing the SmartLan to the main control panel ensure both mains and battery power is unplugged



5. Insert the board power jumper between pins 1 & pin 2 on the main control panel (J16).



6. Plug in a LAN cable into the SmartLan and plug the other end into your computer.



Although you can connect the SmartLan to your network router, it's recommend for first time use to plug the Ethernet cable (crossover Ethernet cable) directly to your computer to set up the IP settings.

7. Power up the control panel with the mains and battery.

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## Enabling the SmartLan Module

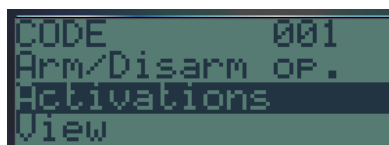
You need to do the following on a keypad that has been enrolled to the main control panel.

1. Press **OK**
2. Enter in a valid code in the panel then press **OK**

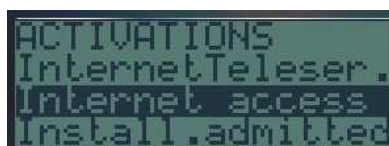
*For example:*

- Press OK
- Enter in 0001
- Press OK

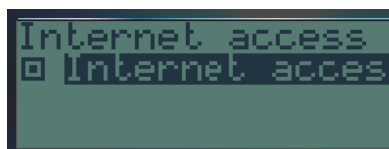
3. Scroll down the list into you get to **Activations** then press **OK**.



4. Scroll down the list into you get to **Internet Access** then press **OK**.



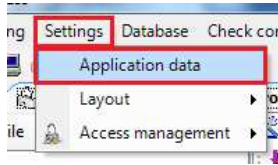
5. Press the **select** key (star Key \*) then press **OK**.  
(By enabling this it will allow the software to connect by Ethernet rather than RS232.)



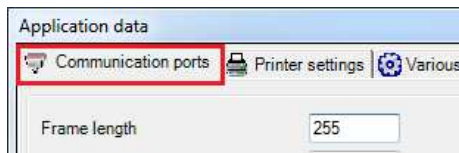
6. Press the **ESC** button on the keypad to exit the menu and to save the settings.

## Setting up the SmartLan connection in the SmartLeague Software

1. Open the account you want to connect to in the SmartLeague software.
2. Click on **Settings > Application data** from the top menu.



3. Make sure you have selected the **Communications ports** tab along the top of the popup window.

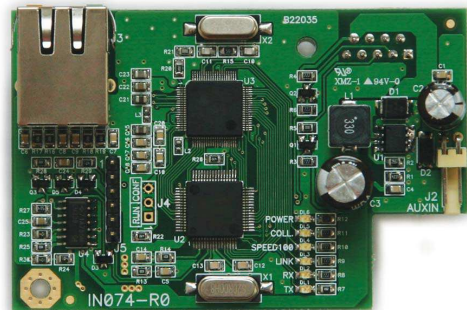


4. You need to select the correct option based on the module you are using. You may be using a SmartLan/G or SmartLan/SI.

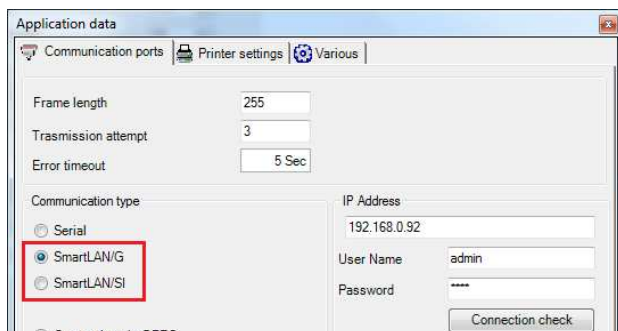
*SmartLan/G*



*SmartLan/SI*



Select **SmartLAN/G** or **SmartLAN/SI** from the communication type section. This will tell the software to connect by the SmartLan rather than the serial connection.



5. You now need to enter in the IP address of the SmartLan module as well as the username and password of the SmartLan.

By default this should be set as the following (unless you have changed it):

IP: **192.168.1.92**

Username: **admin**

Password: **pass**



If you have changed the communication port from default, you will need to insert a colon ( : ) plus the port you have used. (For Example: 192.168.1.92:6485)

Communication type

Serial

SmartLAN/G

SmartLAN/SI

Connection via GPRS

IP Address: 192.168.1.92

User Name: admin

Password: \*\*\*\*

Connection check

6. Click on the **Connection check** button.

This will go and check if the SmartLeague software can connect to the control panel using the new installed SmartLan module with the settings we entered in from step 5.

Application data

Communication ports | Printer settings | Various

Frame length: 255

Transmission attempt: 3

Error timeout: 5 Sec

Communication type

Serial

SmartLAN/G

SmartLAN/SI

Connection via GPRS

IP Address: 192.168.1.92

User Name: admin

Password: \*\*\*\*

Connection check

Advanced setup for USB/serial converter

Error correction enable

Correction level 1

Correction level 2

Correction level 3

Correction level 4

Attention! The more error correction level the lower communication speed.

OK Cancel

7. Ensure both boxes are ticked and click on **Verify**.

**Check Ping:**

This will ping the IP address and make sure it can be found on your network.

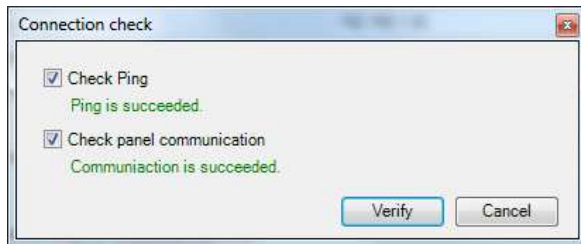
**Check panel communication:**

This will check and make sure it can connect with the username and password you provided from step 5.



Check Ping = Successful  
Communication = Failed

This means the IP was found, but failed to communicate to the panel. You will need to check and confirm the username and password is set correctly. (and also confirm you have enabled “Internet Access” as per step 4 above.



Check Ping = Successful  
Communication = Successful

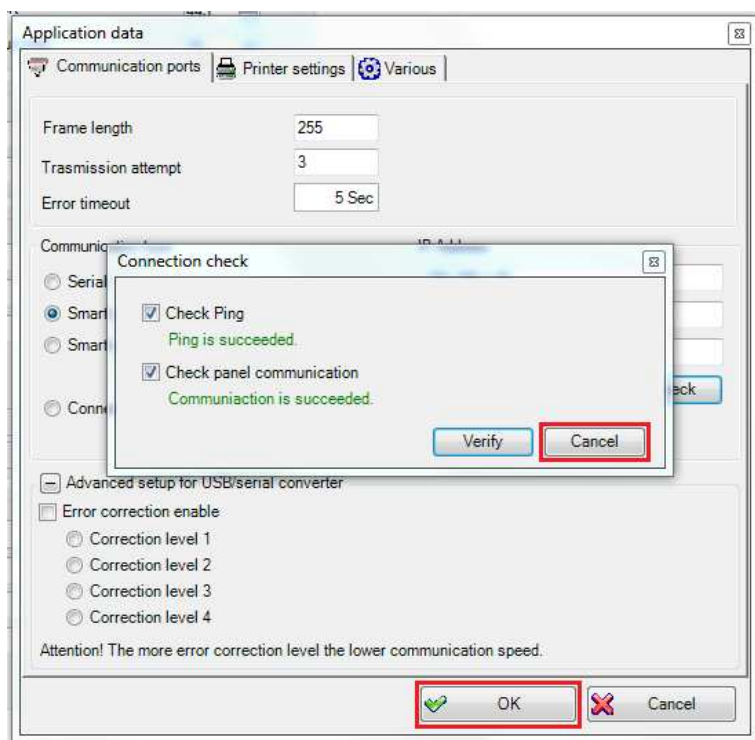
This means everything is working fine and you will be able to connect fine.



If it fails to connect, (i.e Ping Fails) then ensure your computers IP address is on the same subnet as the SmartLan. (e.g. 192.168.1.xxx)

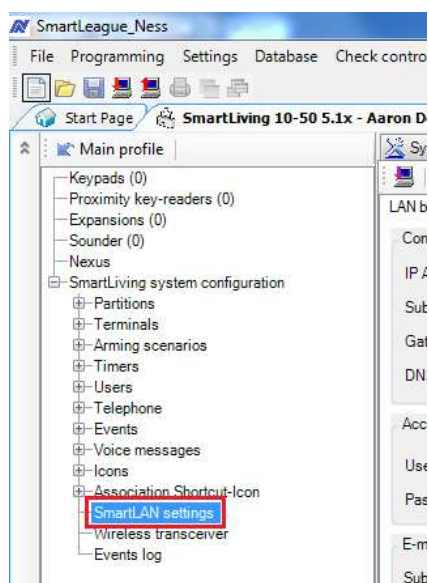
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8. Once you have verified you can connect and communication is successful press the **cancel** button, then click on **OK** to save the settings.

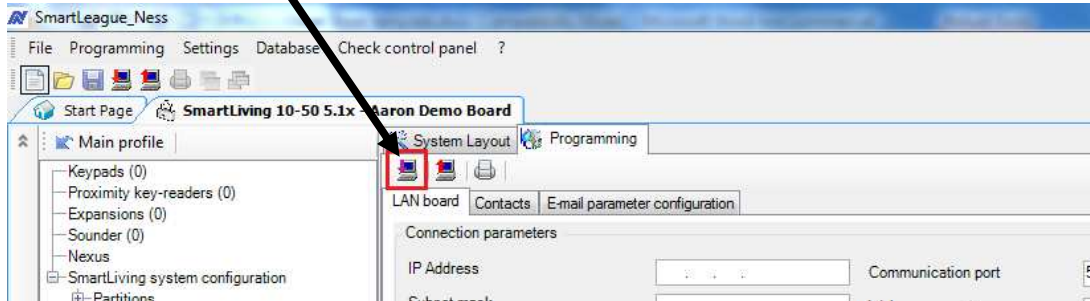


### Changing SmartLAN Settings.

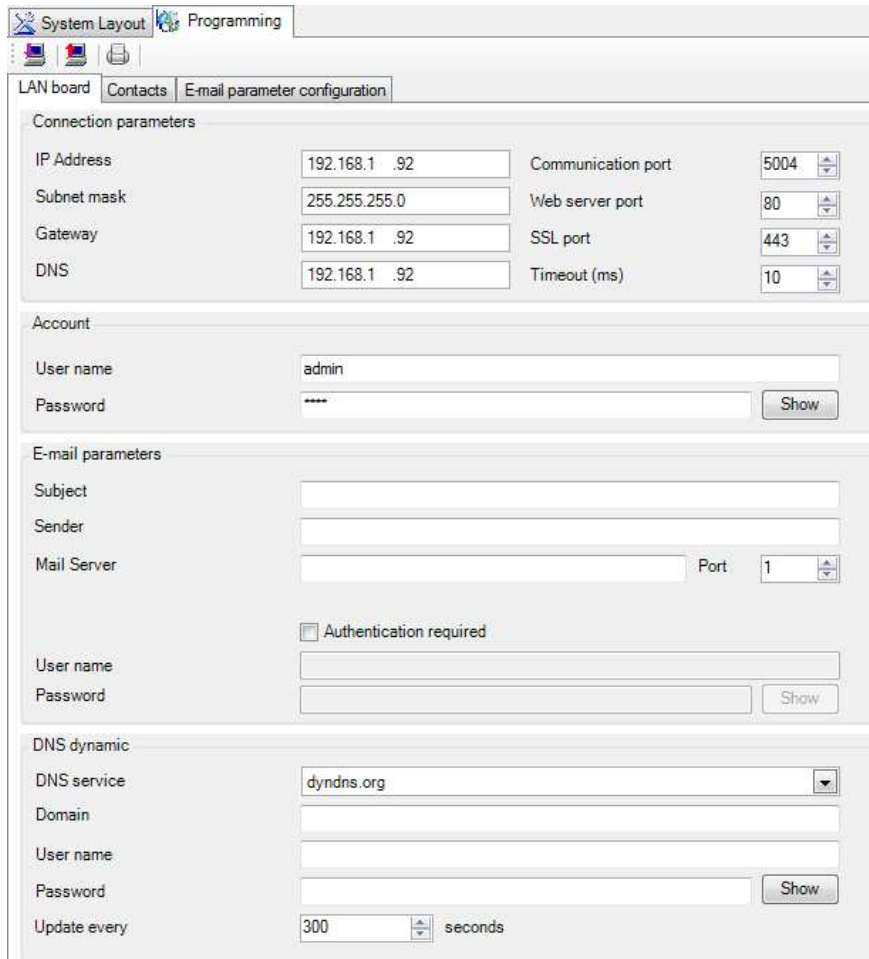
9. Select **SmartLAN Settings** from the left side menu



10. Click on the **Upload** button located above the **LAN board** tab. This will get all of the SmartLan module settings and load it into the SmartLeague software so you know what is already set in the module.



11. You now should see all the settings loaded into the SmartLan Settings panel.





## Changing the SmartLan IP address

1. Open the **SmartLan Settings** section on the left in the SmartLeague software.
2. Change the Connection parameters to match the same IP settings as the customer's network.  
*(You will need to consult the customer IT admin department to get an IP address that is not already in use)*

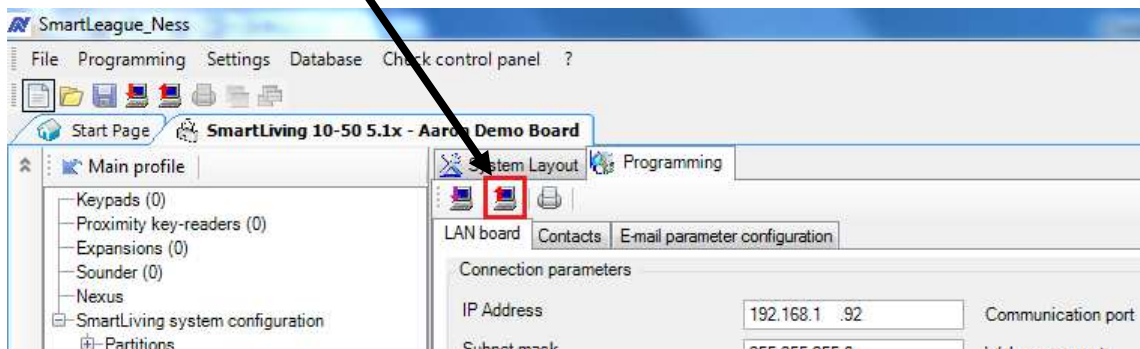


Ensure you are not using a IP already used on the customers network.

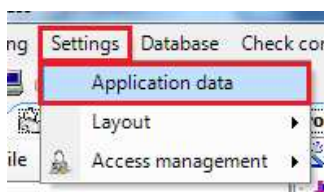
The **communication port** should be left as default (5004) unless you really need to change this. **Web Server Port** by default is set as **80** this can be changed but recommend it stay at port 80. **SSL Port** by default is set as port **443** this should remain as 443. **Timeout (ms)** by default is set as **10** this should be left at 10.

Connection parameters			
IP Address	192.168.1 .92	Communication port	5004
Subnet mask	255.255.255.0	Web server port	80
Gateway	192.168.1 .92	SSL port	443
DNS	192.168.1 .92	Timeout (ms)	10

3. Once you have changed the IP Address (if required) and other settings, click on the **Download** button above **LAN board** tab and this will send the new connection settings to the SmartLan module.



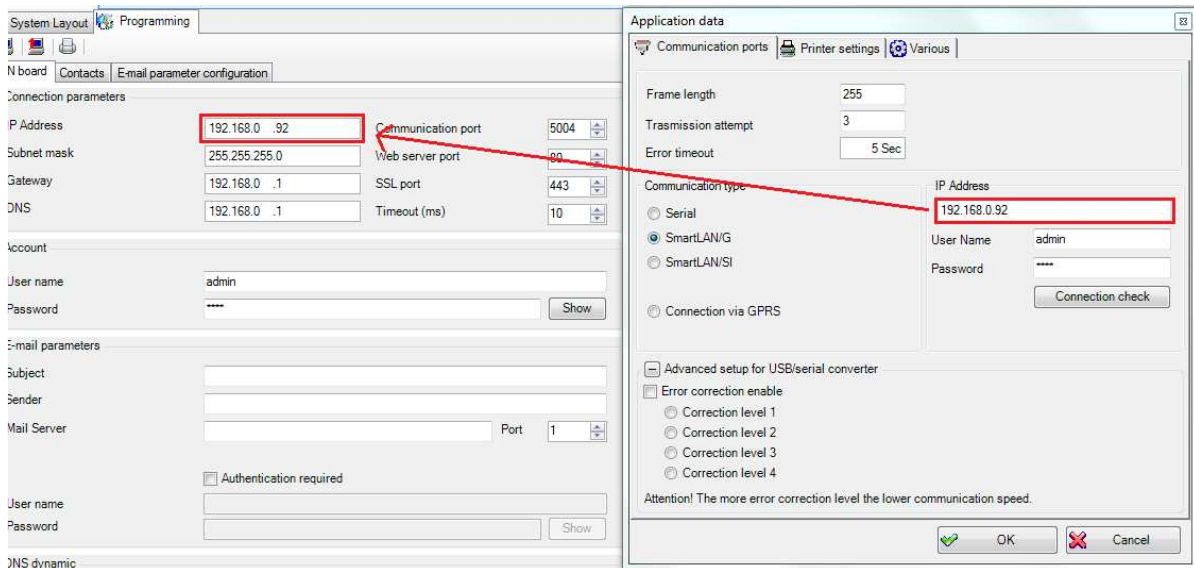
4. After these settings has been sent, you need to go back into the **Application Data** screen by clicking on **Settings > Application data** from the top menu.



5. You need to change the IP address in the Application data window to the IP address you set in step 2.



If you changed the username and password you also need to change this in the Application data window to match what you entered in step 2.



6. Press the **Connection check** button and verify if the connection can be made with the new settings.



If your SmartLan is now on a new network subnet, don't forget to change your computer IP address to match the subnet otherwise you don't be able to connect. It may take approx 1 minute for the SmartLan to reboot after the new settings have been applied.

### Additional Information:

#### Customer Service

**Phone:** 1300 551 991 (M-F 8:30am – 5:00pm)  
**Email:** customerservice@ness.com.au  
**YouTube:** www.youtube.com/nesscorporation