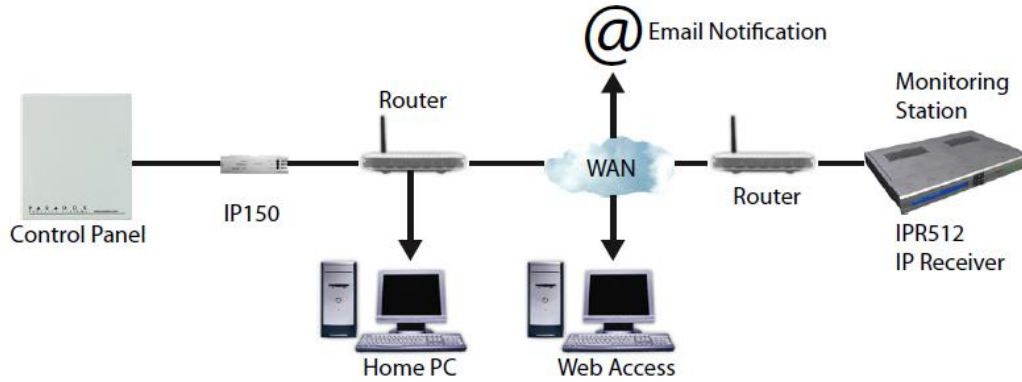


# IP150 WAN setup

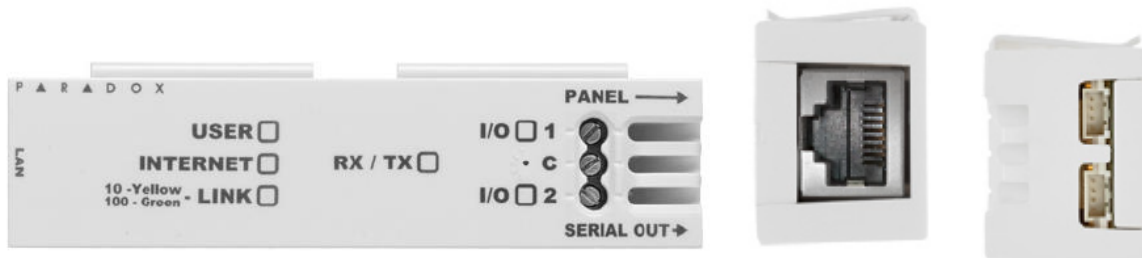
## STEP 1

### Connecting the IP150 Module



The IP150 Module must be connected to the SERIAL port of the panel with the cable given and to the Router via RJ45 connector and Cat5 UTP cable.

RJ45 CONNECTOR ON LEFT and SERIAL CONNECTOR ON RIGHT



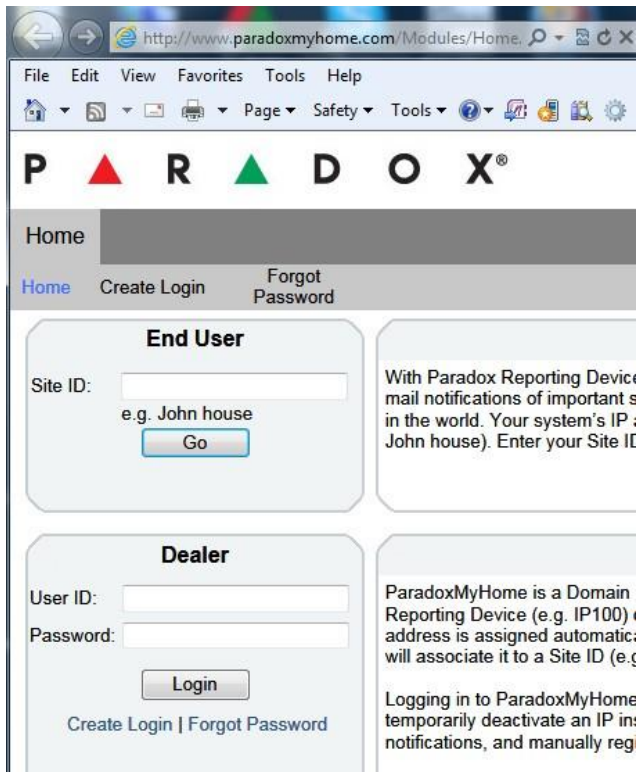
### Metal Box Installation



## STEP 2

### Create a Login on Paradoxmyhome.com

Open internet explorer and type [www.paradoxmyhome.com](http://www.paradoxmyhome.com) in the address bar.



Click on CREATE LOGIN and fill in all marked \*  
When done Log into the DEALER by entering the EMAIL and Password you created.



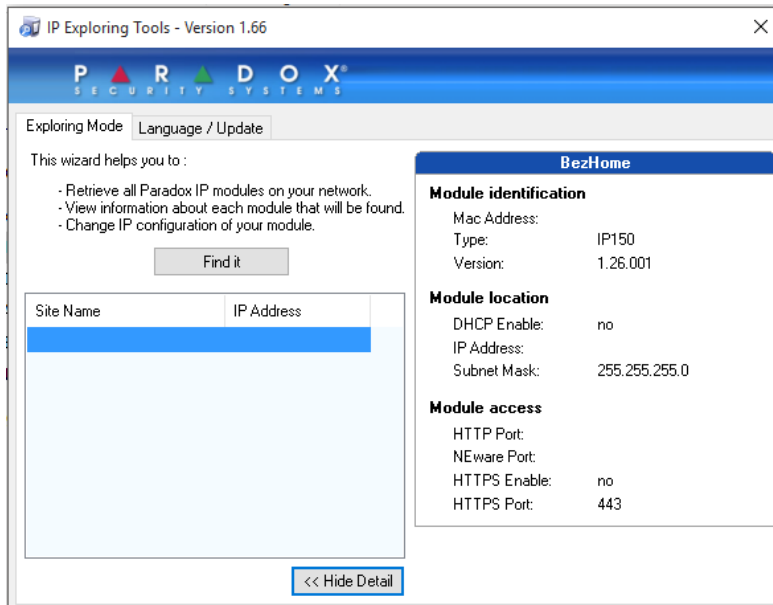
### STEP 3

#### IP150 Setup

Download the Paradox – IP Exploring Tool from the Winload CD. Just copy and paste to desktop and then double click to run.



THE ICON ON DESKTOP



#### RUNNING SOFTWARE

Double click on your highlighted module and it should open in EXPLORER.

- IP connection

Panel user code

Module password

Note: If you lose your password, you must reset your IP module.

The PANEL USER CODE is the MASTER CODE of the alarm panel

The MODULE PASSWORD is – paradox

When successful the screen should show login process.

Please wait...

- Connect to panel
- Retrieve user information
- Retrieve system data
- Check system status
- Loading web interface

Then you will be prompted to change the password.

Change password

Old password

New password

Re-enter new password

After this you will be at the main interface screen and look for IP150 CONFIGURATION on the left.

Welcome,

Change password | Logout

---



Main menu


- ▶ System Status
  - System Information
  - IP150 Configuration
  - Receiver Configuration
  - Email Configuration
  - Account Configuration
  - I/O Configuration
  - Event Log

---

Legend



**Area**



 Armed     In alarm



 Disarmed

---

**Zone**

 Open     Close

 Bypass     Trouble

 In alarm     Memory

---

P ▲ R ▲ D ○ X™

Click on IP150 CONFIGURATION. You can now make your IP150 on a fixed IP by deselecting DHCP and most importantly ENABLING Paradoxmyhome.com \* as below.

Module configuration

DHCP  Yes  No

IP address  .  .  .

Subnet mask  .  .  .

Default gateway  .  .  .

DNS address  .  .  .

---

Software port

HTTP port

HTTPS  Yes  No

HTTPS port

---

Language  ▼

ParadoxMyHome.com

Enable service  Yes  No

Polling time  minute(s)

Site name

Account information

Account number:

Installation date:

System installer:

Name:

Address:

City:

Postal code:

Phone number:

Distributor URL:

Monitoring station:

Name:

Address:

City:

Postal code:

Phone number:

ID number:

When this is done be sure to logout correctly or there will be a 15min wait if the window just exited!

Now go back to the IP Explorer Tool program and right click on the IP address of your module. Select MODULE CONFIGURATION, here you change the HTTP port to 10001 and enter your new IP100 password to save.

Module setup ✕

Obtain an IP address automatically

IP address:

Subnet mask:

Site name:

NEware port:

HTTP port:

Enable HTTPS

HTTPS port:

Module password:

## STEP 4

### ROUTER setup

- Now that we have setup the IP150 , we need to setup the router
- What we mean by this is that we need to setup port forwarding.
- This is like opening a pathway for the data to travel.
- In order to do this , we need to log into the Router
- We do this as follows – We type in the address of the router into our browser
- The address is normally **192.168.1.1** or **10.0.0.2**
- If the address is correct the following screen should appear.



- The USER and PASSWORD must be entered to login.
- Defaults are **admin admin** ; **admin:.....** ; **admin: password**
- After successful login the main screen will be viewed
- Each Router brand has its own software and locations are named differently.
- Below are the default software setups for the **3** most common Routers.
- Netgear , Billion , Telkom 5102G

### NETGEAR Routers

- The Net gear port forwarding is located under – **SERVICES or PORT FORWARDING / PORT TIGGERING**
- In this section select - **ADD CUSTOM SERVICE**
- As per the image below

#### Port Forwarding / Port Triggering

Please select the service type.

- Port Forwarding
- Port Triggering

|                       | #       | Enable                              | Service Name | Action       | LAN Server IP address | WAN Servers | Log   |
|-----------------------|---------|-------------------------------------|--------------|--------------|-----------------------|-------------|-------|
| <input type="radio"/> | 1       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
| <input type="radio"/> | 2       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
| <input type="radio"/> | 3       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
| <input type="radio"/> | 4       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
|                       | Default | Yes                                 | Any          | BLOCK always | Any                   | Any         | Never |

- Click on **ADD** and enter the details for the HTTP port.

### Add Service

#### Service Definition

Name:

Type:

Start Port:

End Port:

- Details are Name : IP100.1  
 Type : TCP/UDP  
 Start : 10000  
 Finish : 10000
- Click **Apply**.

ADD another **CUSTOM SERVICE** for the SERVER Port.

- Details are Name : IP100.2  
 Type : TCP/UDP  
 Start : 10001  
 Finish : 10001
- Click **Apply**.

- On this Router there is a next step which is **FIREWALL RULES**, this is to link the 2 SERVICES we created to the IP address of the IP100.

### Port Forwarding / Port Triggering

Please select the service type.

- Port Forwarding
- Port Triggering

|                       | #       | Enable                              | Service Name | Action       | LAN Server IP address | WAN Servers | Log   |
|-----------------------|---------|-------------------------------------|--------------|--------------|-----------------------|-------------|-------|
| <input type="radio"/> | 1       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
| <input type="radio"/> | 2       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
| <input type="radio"/> | 3       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
| <input type="radio"/> | 4       | <input checked="" type="checkbox"/> |              |              |                       |             |       |
|                       | Default | Yes                                 | Any          | BLOCK always | Any                   | Any         | Never |

- Click on **ADD**

## Port Forwarding

Service:

Action:

Send to LAN Server:  .  .  .

WAN Servers:

Start:  .  .  .

End:  .  .  .

Log:

- Now select the **SERVICE** you created from the drop down menu.
- Select “ALLOW always” from the [Action] drop down menu.
- Enter the IP Address of the IP100 in [Send to LAN Server] and APPLY
- Click ADD again and select the “**IP100.2**” **SERVICE** and do the same.
- The IP100 and Router setup is now complete.

## Billion Routers

- This router has one location to set all parameters as per the image.
- This is found under **ADVANCED** then **Virtual Server**.
- As seen in picture below:



Virtual Server for: Single IP Account

Rule Index:

Start Port Number:

End Port Number:

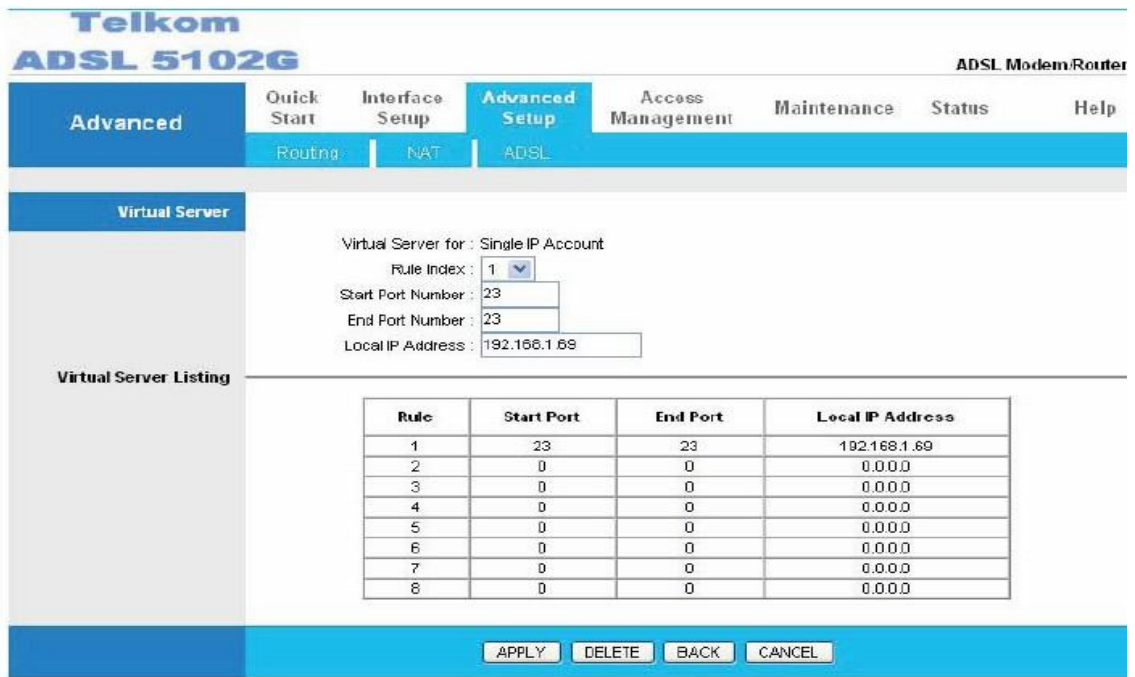
Local IP Address:

| Rule | Start Port | End Port | Local IP Address |
|------|------------|----------|------------------|
| 1    | 22881      | 22881    | 192.168.1.140    |
| 2    | 0          | 0        | 0.0.0.0          |
| 3    | 0          | 0        | 0.0.0.0          |
| 4    | 0          | 0        | 0.0.0.0          |
| 5    | 0          | 0        | 0.0.0.0          |



## Telkom Routers

This is as the Billion all setup done in one location.



**Telkom ADSL 5102G** ADSL Modem/Router

[Advanced](#) | [Quick Start](#) | [Interface Setup](#) | **[Advanced Setup](#)** | [Access Management](#) | [Maintenance](#) | [Status](#) | [Help](#)

[Routing](#) | [NAT](#) | **[ADSL](#)**

**Virtual Server**

Virtual Server for: Single IP Account

Rule Index: 1

Start Port Number: 23

End Port Number: 23

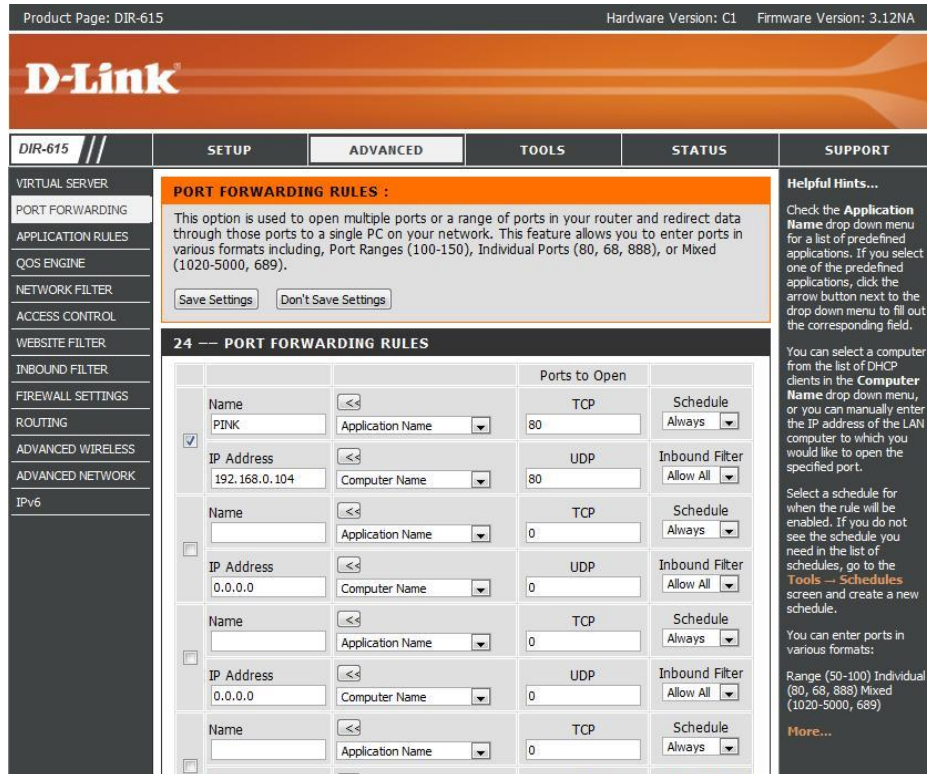
Local IP Address: 192.168.1.69

**Virtual Server Listing**

| Rule | Start Port | End Port | Local IP Address |
|------|------------|----------|------------------|
| 1    | 23         | 23       | 192.168.1.69     |
| 2    | 0          | 0        | 0.0.0.0          |
| 3    | 0          | 0        | 0.0.0.0          |
| 4    | 0          | 0        | 0.0.0.0          |
| 5    | 0          | 0        | 0.0.0.0          |
| 6    | 0          | 0        | 0.0.0.0          |
| 7    | 0          | 0        | 0.0.0.0          |
| 8    | 0          | 0        | 0.0.0.0          |

## D-Link Routers

Select **ADVANCED** and then **PORT FORWARDING**



Product Page: DIR-615 Hardware Version: C1 Firmware Version: 3.12NA

**D-Link**

[DIR-615](#) // **[SETUP](#)** | **[ADVANCED](#)** | [TOOLS](#) | [STATUS](#) | [SUPPORT](#)

[VIRTUAL SERVER](#) | **[PORT FORWARDING](#)** | [APPLICATION RULES](#) | [QOS ENGINE](#) | [NETWORK FILTER](#) | [ACCESS CONTROL](#) | [WEBSITE FILTER](#) | [INBOUND FILTER](#) | [FIREWALL SETTINGS](#) | [ROUTING](#) | [ADVANCED WIRELESS](#) | [ADVANCED NETWORK](#) | [IPv6](#)

**PORT FORWARDING RULES :**

This option is used to open multiple ports or a range of ports in your router and redirect data through those ports to a single PC on your network. This feature allows you to enter ports in various formats including, Port Ranges (100-150), Individual Ports (80, 68, 888), or Mixed (1020-5000, 689).

**24 — PORT FORWARDING RULES**

| Name                                | Application Name | Ports to Open | Schedule | Inbound Filter |
|-------------------------------------|------------------|---------------|----------|----------------|
| <input checked="" type="checkbox"/> | PINK             | 80 TCP        | Always   | Allow All      |
| <input checked="" type="checkbox"/> |                  | 80 UDP        | Always   | Allow All      |
| <input type="checkbox"/>            |                  | 0 TCP         | Always   | Allow All      |
| <input type="checkbox"/>            |                  | 0 UDP         | Always   | Allow All      |
| <input type="checkbox"/>            |                  | 0 TCP         | Always   | Allow All      |
| <input type="checkbox"/>            |                  | 0 UDP         | Always   | Allow All      |
| <input type="checkbox"/>            |                  | 0 TCP         | Always   | Allow All      |
| <input type="checkbox"/>            |                  | 0 UDP         | Always   | Allow All      |

**Helpful Hints...**

Check the **Application Name** drop down menu for a list of predefined applications. If you select one of the predefined applications, click the arrow button next to the drop down menu to fill out the corresponding field.

You can select a computer from the list of DHCP clients in the **Computer Name** drop down menu, or you can manually enter the IP address of the LAN computer to which you would like to open the specified port.

Select a schedule for when the rule will be enabled. If you do not see the schedule you need in the list of schedules, go to the **Tools → Schedules** screen and create a new schedule.

You can enter ports in various formats:

Range (50-100) Individual (80, 68, 888) Mixed (1020-5000, 689)

[More...](#)

In all above instances you need to forward the following ports:

Name: IP100.1  
 IP Address: {IP Address of IP100 Module}  
 Type: TCP/UDP  
 Start Port: 10000  
 End Port: 10000

Name: IP100.2  
 IP Address: {IP Address of IP100 Module}  
 Type: TCP/UDP  
 Start Port: 10001  
 End Port: 10001

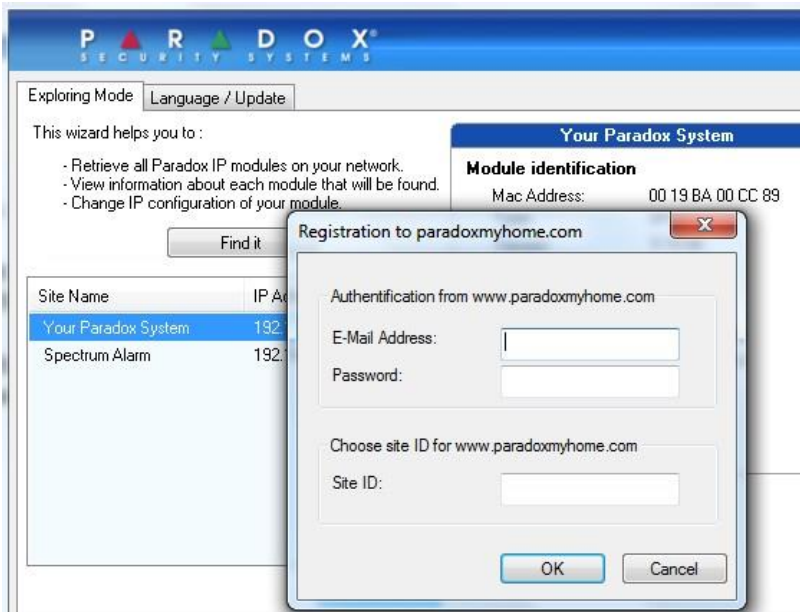
**PLEASE NOTE:** Also make sure that the IP Address assigned to the IP150 Module is excluded from your DHCP Server IP Address range. This info can normally be found under your LAN SETUP.

## STEP 5

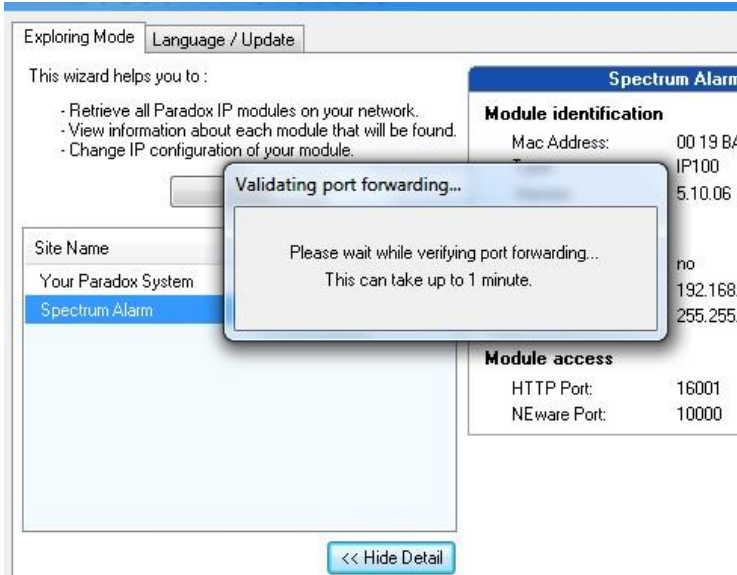
### Register IP150 with Paradoxmyhome.com

The last step is to register and validate port forwarding of the IP150 to the DNS paradoxmyhome.com website.

Using the IP Exploring Tool, right click on the IP Address and select REGISTER. Use the email and password you had used to log into the paradoxmyhome.com website.



When the registration is completed, right click the IP Address and select VALIDATE PORT FORWARDING.



## STEP 6

### Account Activation

This is the last step. Open paradoxmyhome.com. Login to the DEALER section with your email address and password. If successful you will see your registered IP150 Module.



Home IP Management My Profile

Home

**Registered Devices = 1**    Edit Delete Connect    Device Online (1)

| Status                               | Active                              | Site ID  | Contact Name | Location | IP Address     |
|--------------------------------------|-------------------------------------|----------|--------------|----------|----------------|
| <span style="color: green;">📶</span> | <input checked="" type="checkbox"/> | spectrum |              |          | 196.213.43.250 |

Click on this to highlight then select EDIT. Tick the ACTIVE box and then click save. The IP150 is now ready for remote WAN connections.