

## **IP – INTERNET CONNECTION FOR ELA-CT3000 ACCESS CONTROL SYSTEM**

Through 2 configuration operations, it is possible to connect the CT3000-IP panel via INTERNET:

- 1.- the first one has to be made on the site where the panel is installed (configuration of the access router to internet and of the DIGI module of the central)
- 2.- the second one is made on the PC where the ELA+ software is installed (configuration of the COM input to get an access at the remote IP)

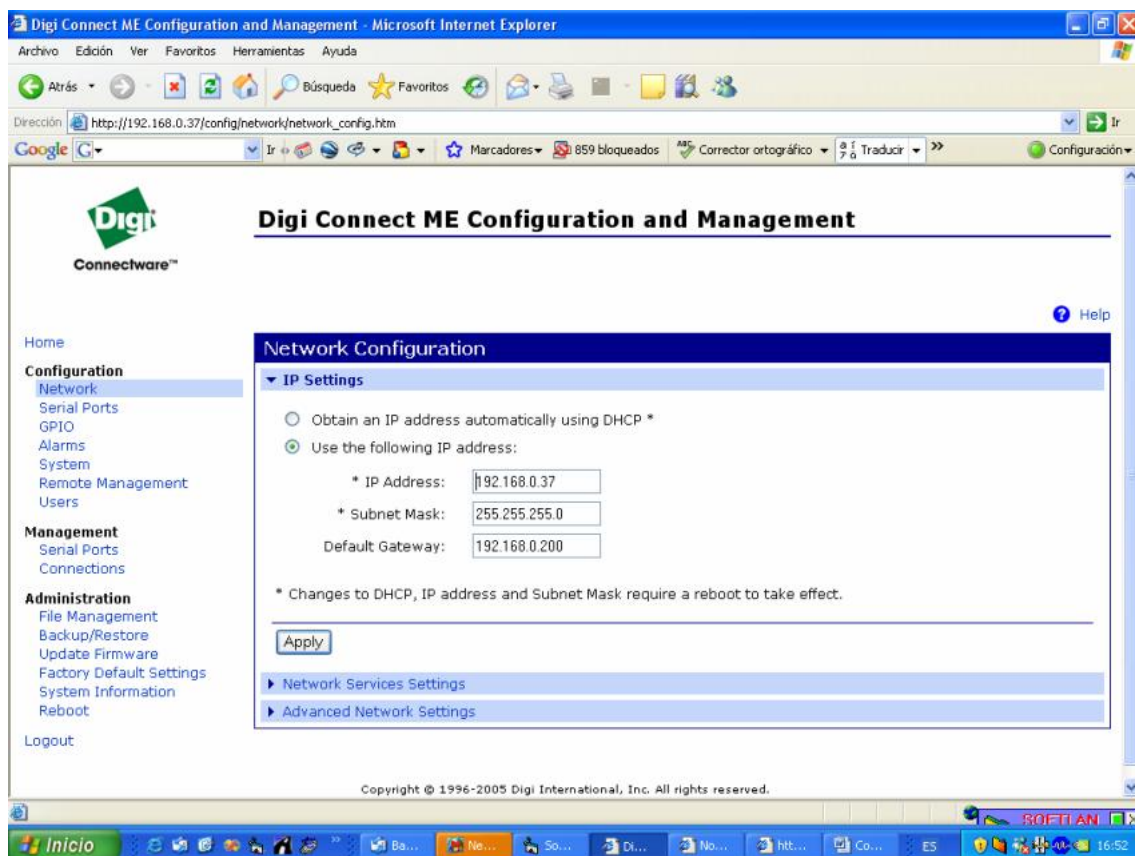
### **1- ON THE INSTALLATION WHERE THE ACCESS PANEL IS INSTALLED:**

This operation has to be made through Explorer. To have access to the DIGI module you have to put the local IP of the central and to get access to the router you have to put your corresponding IP (In the Explorer address bar)

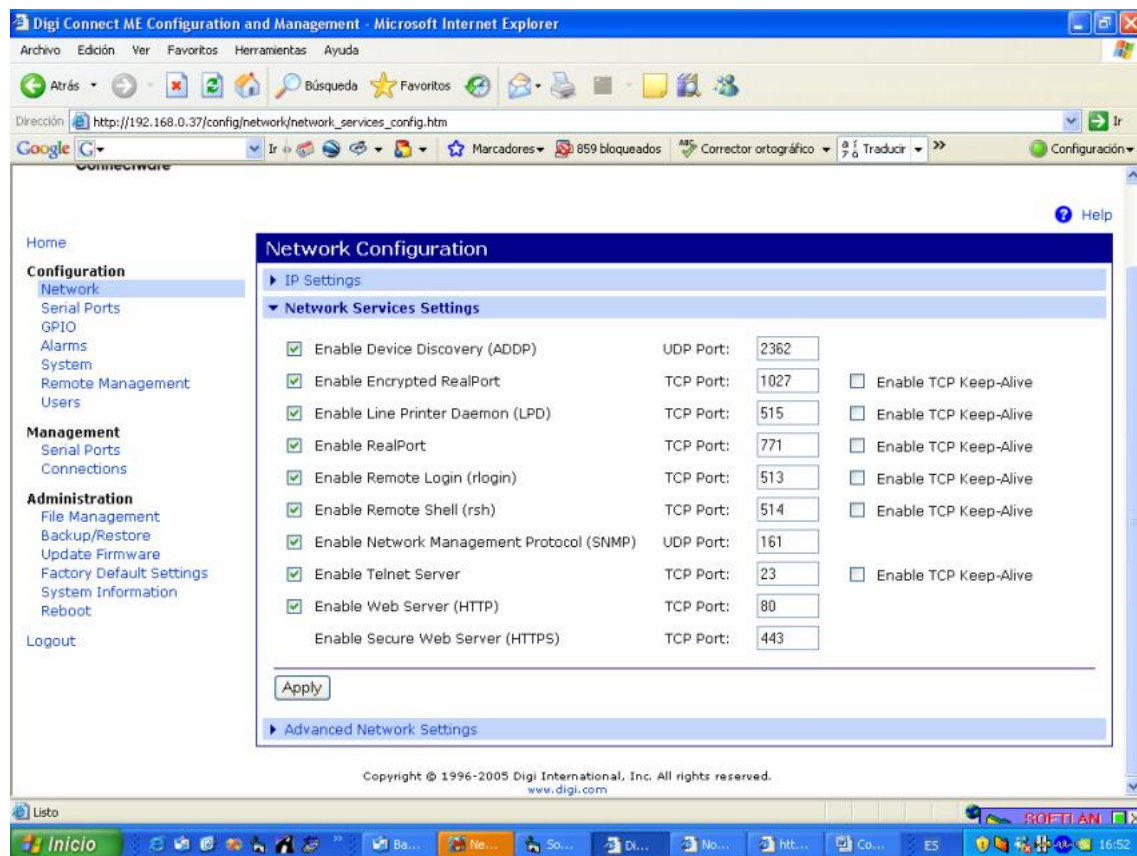
#### **DIGI Module:**

User                root  
Password        dbps

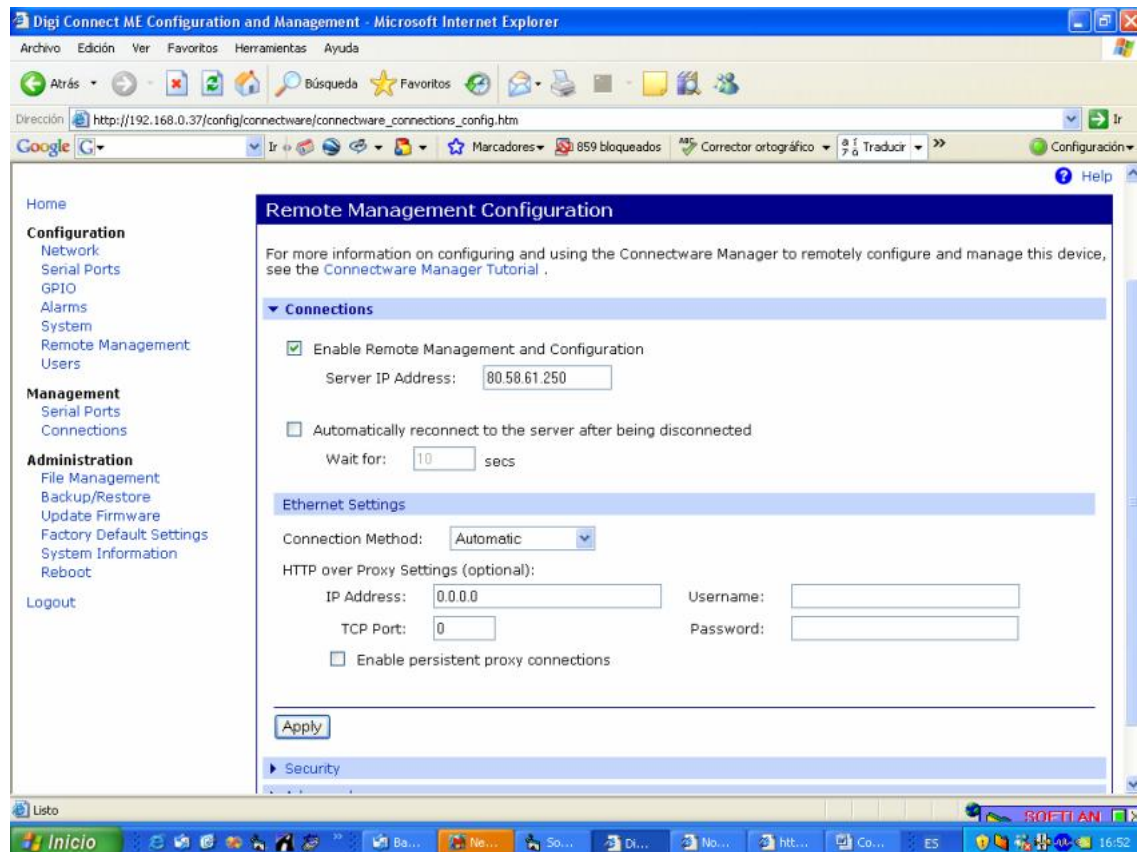
Put the IP in the local network and the router IP to access to Internet.



Following options have to be selected:



Poner la DNS del proveedor de ADSL



## ADSL Router:

Each model has its own menus, but normally it used to be in the NAT one.

Open in the router the needed ports:

NAT , Virtual Server

The screenshot shows the SMC Advanced Setup web interface in Microsoft Internet Explorer. The browser address bar shows `http://192.168.0.200/setup.stm`. The interface has a left sidebar with a menu containing: SYSTEM, WAN, LAN, WIRELESS, NAT (selected), Address Mapping, Virtual Server, Special Application, NAT Mapping Table, ROUTING, FIREWALL, SNMP, UPnP, ADSL, DDNS, TOOLS, and STATUS. The main content area is titled "Virtual Server" and contains the following text:

You can configure the router as a virtual server so that remote users accessing services such as the Web or FTP at your local site via public IP addresses can be automatically redirected to local servers configured with private IP addresses. In other words, depending on the requested service (TCP/UDP port number), the router redirects the external service request to the appropriate server (located at another internal IP address). This tool can support both port ranges, multiple ports, and combinations of the two.

For example:

- Port Ranges: ex. 100-150
- Multiple Ports: ex. 25,110,80
- Combination: ex. 25-100,80

No.	LAN IP Address	Protocol Type	LAN Port	Public Port	Enable		
1	192.168.0.113	TCP	1547	1547	<input checked="" type="checkbox"/>	Add	Clean
2	192.168.0.114	TCP	21	21	<input checked="" type="checkbox"/>	Add	Clean
3	192.168.0.101	TCP	1977	1977	<input checked="" type="checkbox"/>	Add	Clean
4	192.168.0.101	TCP&UDP	1975	1975	<input checked="" type="checkbox"/>	Add	Clean
5	192.168.0.113	UDP	1549	1549	<input checked="" type="checkbox"/>	Add	Clean
6	192.168.0.37	TCP	771	771	<input checked="" type="checkbox"/>	Add	Clean
7	192.168.0.	TCP			<input type="checkbox"/>	Add	Clean

## **2- ON TH EPC WHERE THE SOFTWARE IS INSTALLED:**

First of all, you have to start DIGI REAL PORT, located in file inside the ELA carpet.



Setup.exe

Select "Add a New Device". This one would not be found!.

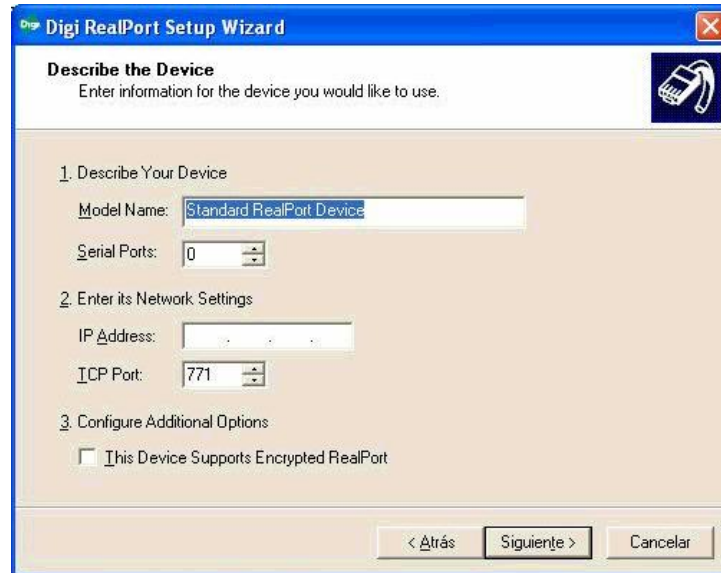


Then select "Device Not Listed" and "following".



In the following screen, you have to enter manually the IP address and indicate Serial Port=1. After this you have to select a COM that is available.

Make sure the IP you are trying to connect, has the port TCP 771 open and redirected to the local IP of the Digo module.



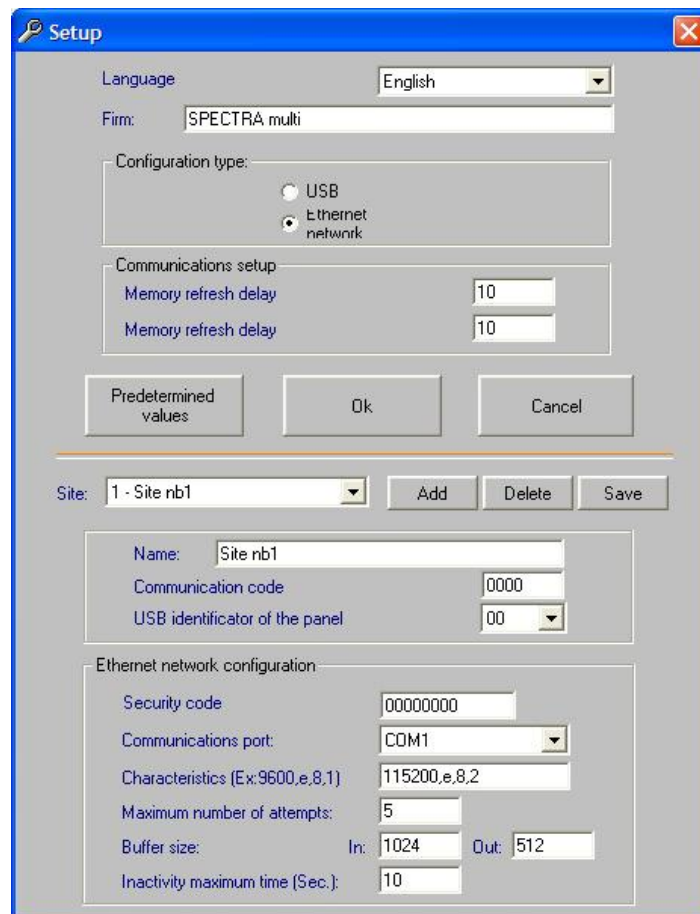
The screenshot shows the 'Digi RealPort Setup Wizard' window. The title bar is blue with the text 'Digi RealPort Setup Wizard' and a close button. The main area has a light beige background. At the top, it says 'Describe the Device' with a sub-instruction 'Enter information for the device you would like to use.' and a small icon of a device. Below this, there are three numbered steps: 1. Describe Your Device, 2. Enter its Network Settings, and 3. Configure Additional Options. Step 1 includes a 'Model Name' text box with 'Standard RealPort Device' and a 'Serial Ports' dropdown menu showing '0'. Step 2 includes an 'IP Address' text box and a 'TCP Port' dropdown menu showing '771'. Step 3 includes a checkbox labeled 'This Device Supports Encrypted RealPort' which is currently unchecked. At the bottom right, there are three buttons: '< Atrás', 'Siguiente >', and 'Cancelar'.

To finish, you have to select the same COM in the CONFIGURACIÓN menú of ELA software.



### **3- Configure the software ELA**

Select Ethernet network, indicate the COM communications port number and its characteristics 115200,e,8,2.



Setup

Language: English

Firm: SPECTRA multi

Configuration type:

☐ USB

☒ Ethernet network

Communications setup

Memory refresh delay: 10

Memory refresh delay: 10

Predetermined values Ok Cancel

Site: 1 - Site nb1 Add Delete Save

Name: Site nb1

Communication code: 0000

USB identifier of the panel: 00

Ethernet network configuration

Security code: 00000000

Communications port: COM1

Characteristics (Ex: 9600,e,8,1): 115200,e,8,2

Maximum number of attempts: 5

Buffer size: In: 1024 Out: 512

Inactivity maximum time (Sec.): 10

Make Sure security code is 00000000 (Master code 8 on the ELA panel)

### **4- Configure the ELA central unit**

The IP MODULE of the central unit indicates the communication speed, according to the enclosed table:

SPEED	Communication speed
1	9600
2	19200
3	38400
4	57600
5	115200
Other	115200

Factory default; SPEED=5

To change it, go to the menu OPTIONS / MODEM / IP MODULE