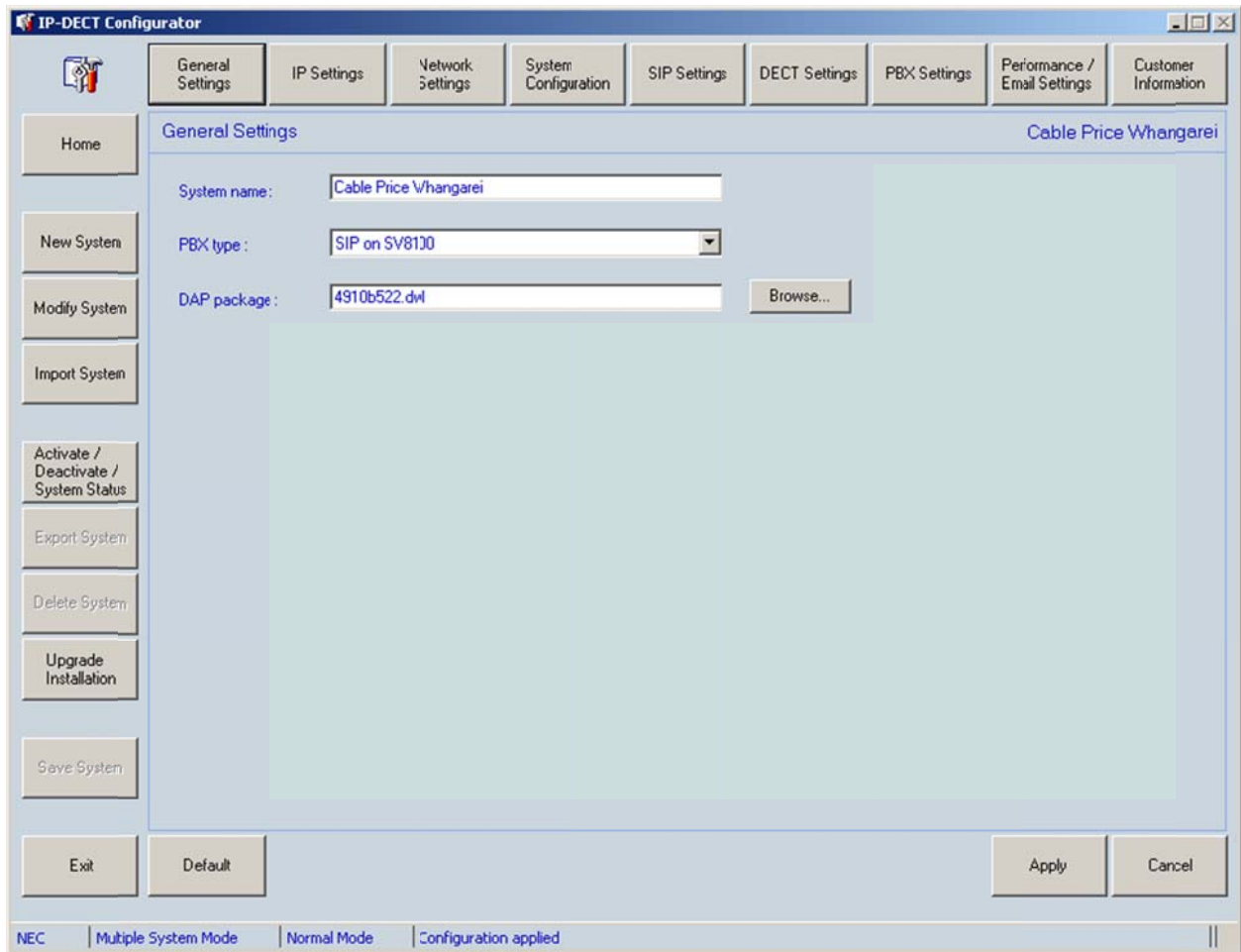


# IPDECT Configurator V5.20.0075

## General Settings :

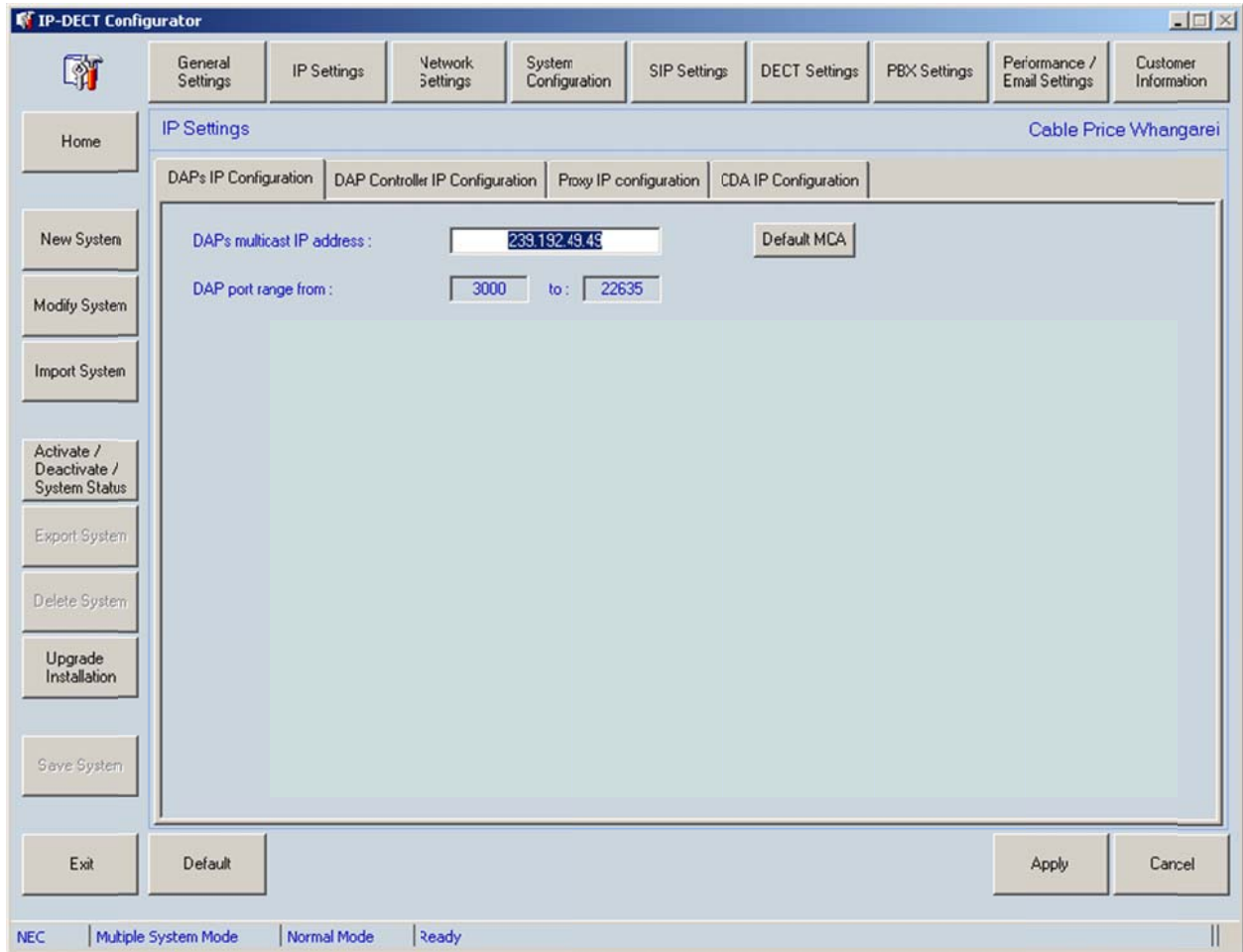
Enter system name, PBX type and Firmware package :

Click Apply on each screen before moving to the next step.



## IP Settings

DAP IP config – leave at default



## IP Settings

DAP Controller Tab – enter IP address of PC that will be running the admin software.

The screenshot displays the IP-DECT Configurator application window. The title bar reads "IP-DECT Configurator". The main menu at the top includes: General Settings, IP Settings (selected), Network Settings, System Configuration, SIP Settings, DECT Settings, PBX Settings, Performance / Email Settings, and Customer Information. On the left side, there is a vertical toolbar with buttons for: Home, New System, Modify System, Import System, Activate / Deactivate / System Status, Export System, Delete System, Upgrade Installation, and Save System. The main content area is titled "IP Settings" and contains sub-tabs: DAPs IP Configuration, DAP Controller IP Configuration (selected), Proxy IP configuration, and CDA IP Configuration. The "DAP Controller IP Configuration" sub-tab is active, showing a radio button for "Single DAP Controller" which is selected. Below this, there are two input fields: "DAP Controller IP address :" with the value "172.30.1.3" and a "This PC IP" button to its right; and "Port range from :" with the value "28000" and "to :" with the value "28017". At the bottom of the window, there are buttons for "Exit", "Default", "Apply", and "Cancel". The status bar at the very bottom shows "NEC | Multiple System Mode | Normal Mode | Ready".

## IP Settings

### Proxy IP TAB

Select Single gatekeeper – IP address is the address of the Univerge CPU.

The screenshot shows the IP-DECT Configurator application window. The 'IP Settings' tab is selected, and the 'Proxy IP configuration' sub-tab is active. The 'Single gatekeeper' radio button is selected, with the 'Proxy IP address' field containing '172.30.1.250' and the 'Proxy port number' field containing '5070'. The 'Multiple gatekeepers' radio button is unselected, and the 'Strip DNR prefix' checkbox is also unselected. A table with columns for Index, IP address, Port, DNR prefix, Domain, and PBX is visible but empty. The interface includes a sidebar with system management buttons and a top navigation bar with various configuration tabs.

Index	IP address	Port	DNR prefix	Domain	PBX
-------	------------	------	------------	--------	-----

## IP Settings

CDA tab = Corporate Directory

For SV8100 enter the IP address of the CPU. (not supported on SV8300) MB 10-20-14 must be set with the same port number 30160.

This allows DECT handsets to scroll the system speed dial list.

The screenshot displays the 'IP-DECT Configurator' application window. The title bar reads 'IP-DECT Configurator'. The main menu includes 'General Settings', 'IP Settings', 'Network Settings', 'System Configuration', 'SIP Settings', 'DECT Settings', 'PBX Settings', 'Performance / Email Settings', and 'Customer Information'. The 'IP Settings' tab is active, showing sub-tabs for 'DAPs IP Configuration', 'DAP Controller IP Configuration', 'Proxy IP configuration', and 'CDA IP Configuration'. The 'CDA IP Configuration' sub-tab is selected, displaying the following fields:

- 'Corporate directory IP address' with the value '172.30.1.250' and a 'This PC IP' button.
- 'Corporate directory port number' with the value '30160'.

The interface also features a left-hand sidebar with buttons for 'Home', 'New System', 'Modify System', 'Import System', 'Activate / Deactivate / System Status', 'Export System', 'Delete System', 'Upgrade Installation', and 'Save System'. At the bottom, there are 'Exit', 'Default', 'Apply', and 'Cancel' buttons. The status bar at the very bottom shows 'NEC | Multiple System Mode | Normal Mode | Ready'.

Network Settings :

Network Card Tab

Select correct NIC card for the voice network

The screenshot shows the IP-DECT Configurator software interface. The title bar reads "IP-DECT Configurator". The main menu includes: General Settings, IP Settings, Network Settings (selected), System Configuration, SIP Settings, DECT Settings, PBX Settings, Performance / Email Settings, and Customer Information. The "Network Settings" section is active, with sub-tabs for Network card Settings, DHCP Settings, TFTP Settings, QoS Settings, and Boot Options. The "Network card Settings" sub-tab is selected, showing a dropdown menu for "Select network card connected to the IP-DECT system:" with "BroadcomNetLink (TM) Gigabit Ethernet - Packet Scheduler Miniport" selected. A "Refresh" button is next to it. Below this, the following fields are visible: MAC address: 00:1A:68:6B:F2:03; IP address: 172.30.1.3; Subnet mask: 255.255.255.0 / 24; Default gateway: (empty); DHCP enabled: False; Link status: Up. A checkbox "Change IP address, subnet mask and default gateway of this PC to the following values on system activation" is unchecked. Below it, the "New IP address:" field contains 172.30.1.3 with a note "( = DAP Controller IP address)". The "New subnet mask:" field contains 255.255.255.0 / 24, and the "New default gateway:" field is empty. The interface also features a left sidebar with buttons for Home, New System, Modify System, Import System, Activate / Deactivate / System Status, Export System, Delete System, Upgrade Installation, and Save System. At the bottom, there are buttons for Exit, Default, Apply, and Cancel. The status bar at the very bottom shows "NEC | Multiple System Mode | Normal Mode | Ready".

## Network Settings

### DHCP Tab.

If you are not using the customers DHCP server (ie standalone network) then you can use the inbuilt DHCP server.

Check the tick box and enter the IP address range for DHCP.

The screenshot shows the 'IP-DECT Configurator' application window. The 'Network Settings' tab is active, and the 'DHCP Settings' sub-tab is selected. The interface includes a sidebar with system management buttons (Home, New System, Modify System, Import System, Activate/Deactivate/Status, Export System, Delete System, Upgrade Installation, Save System, Exit, Default) and a main configuration area. The DHCP settings are as follows:

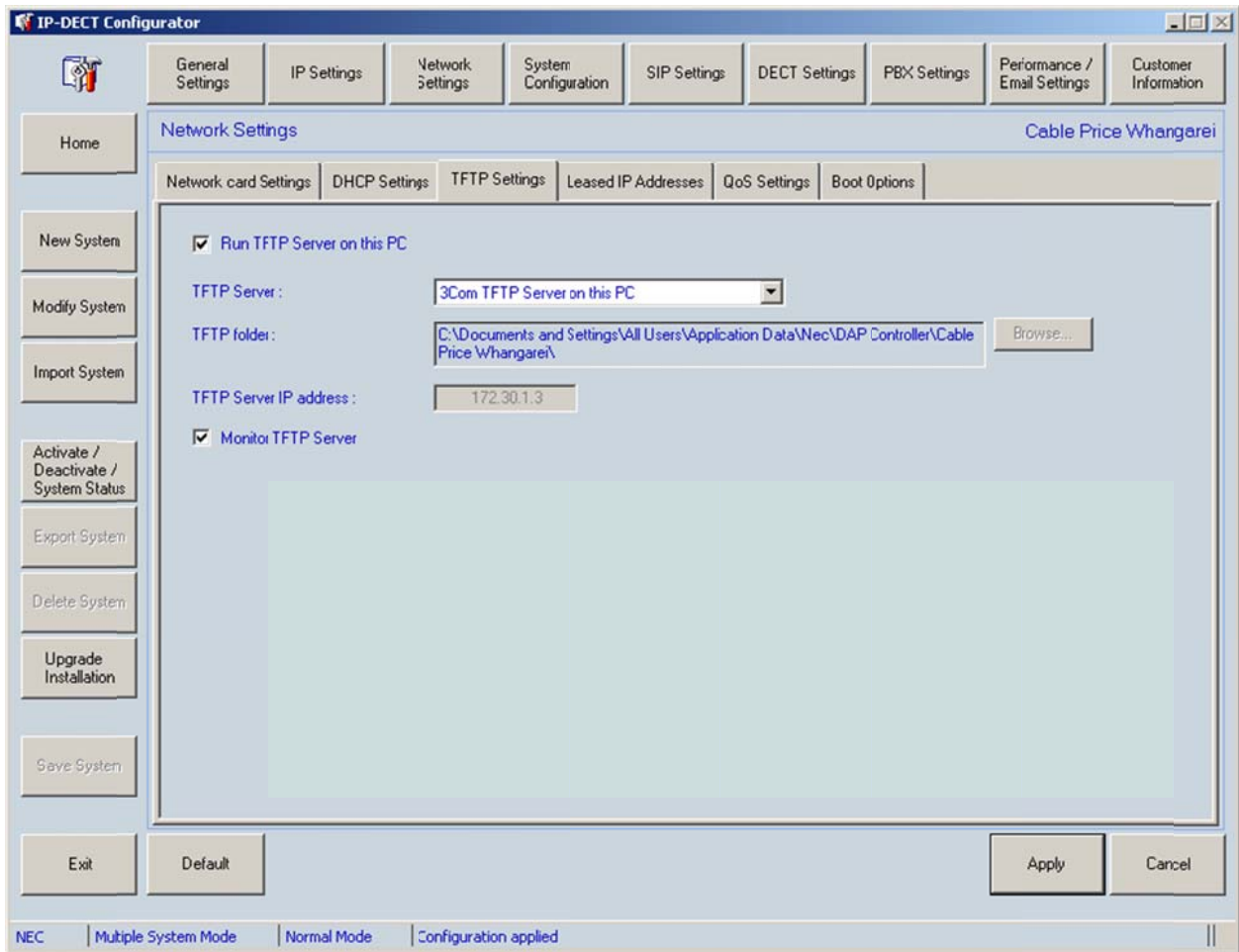
- Run DHCP Server on this PC
- DAP IP range: 172.30.1 . 100 - 150
- DAP IP range exclusive for DAPs only
- Subnet mask: 255.255.255.0 /24
- Default gateway: 172.30.1.254
- Ask for confirmation before starting DHCP Server
- Monitor DHCP Server

Buttons for 'Apply' and 'Cancel' are located at the bottom right. The status bar at the bottom indicates 'Configuration applied'.

## Network Settings

### TFTP server tab

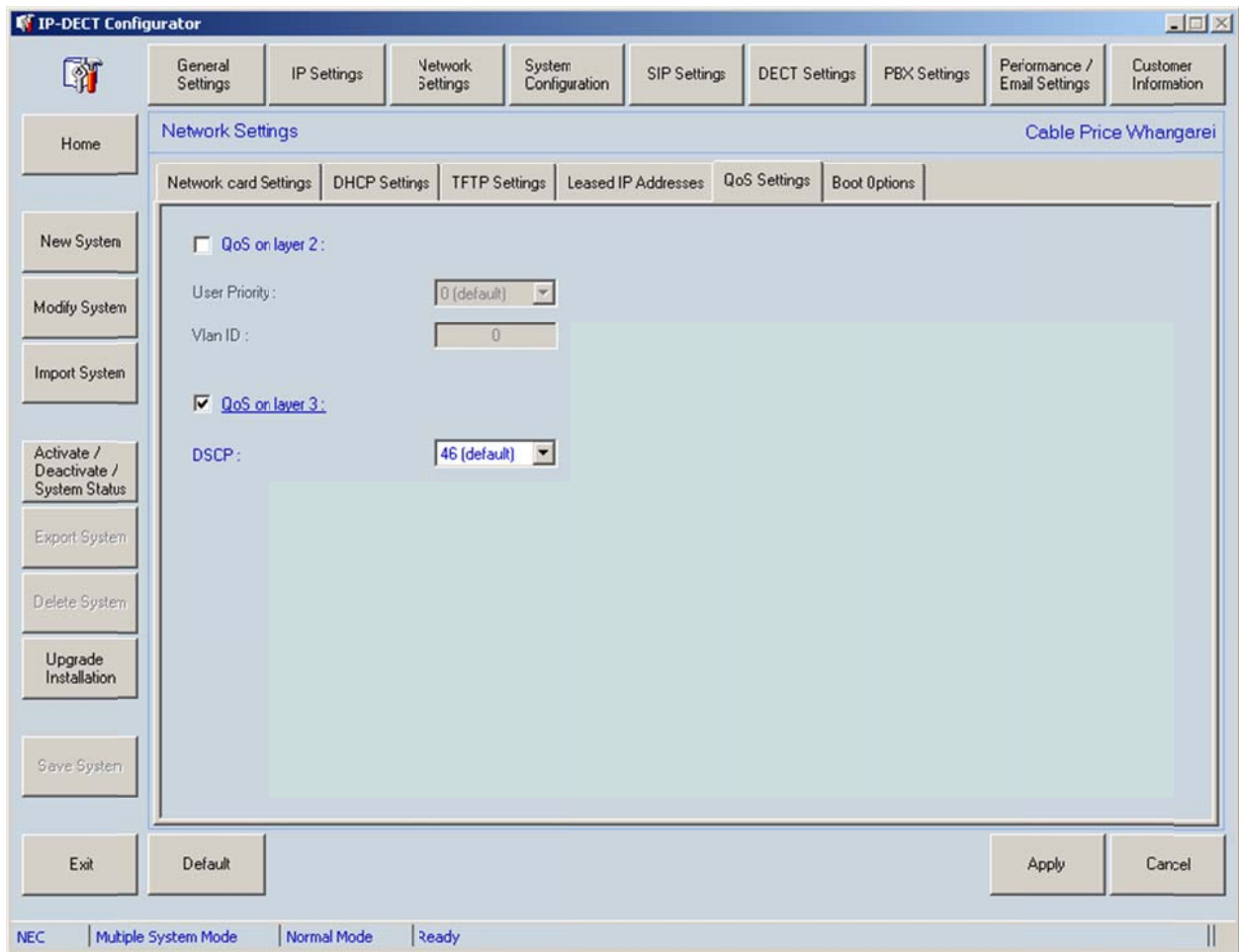
3COM TFTP is built in to the application, and is a simple way to provide the TFTP service the base stations require to download the config file and firmware.



## Network Settings

QoS tab.

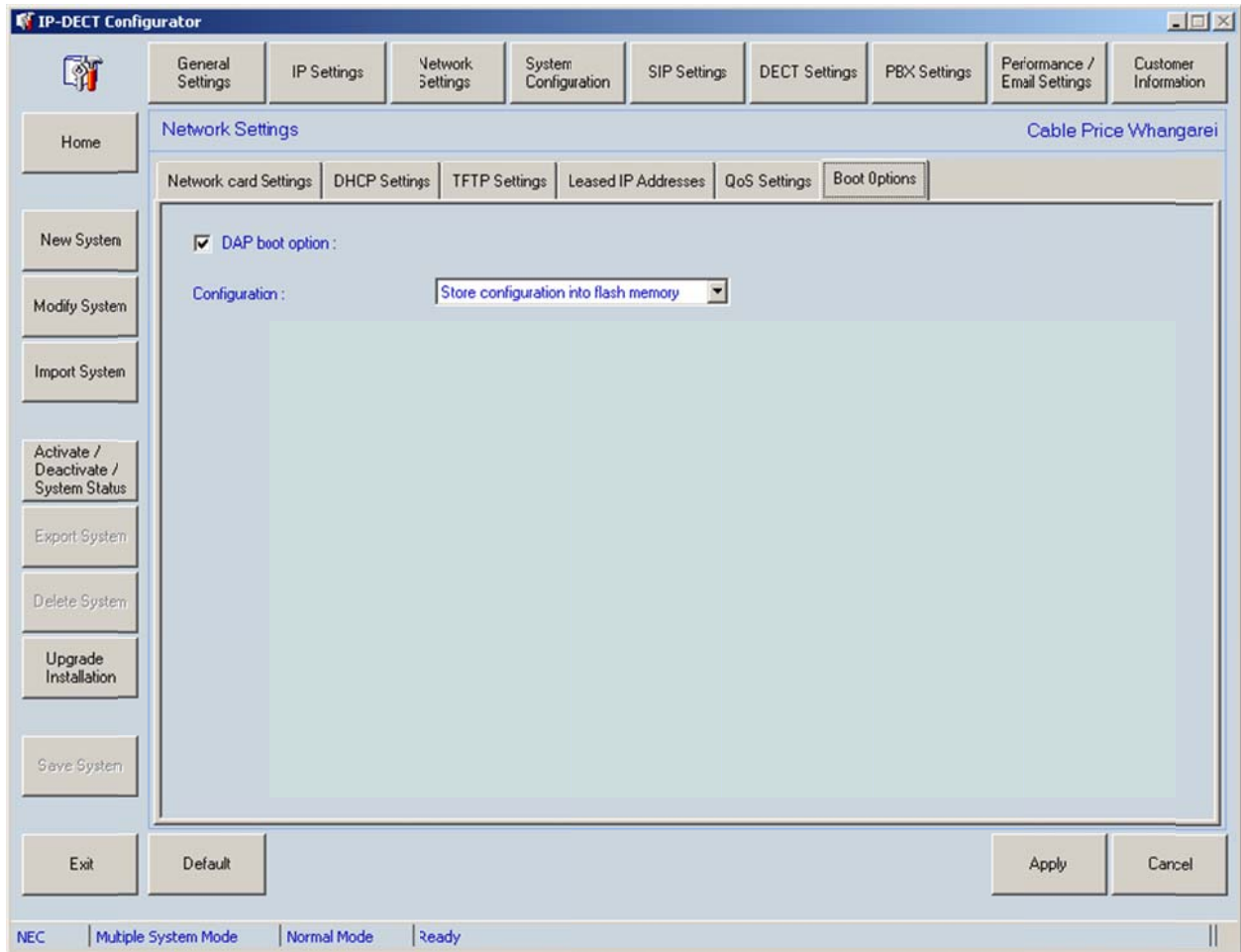
Set for layer 3 , DSCP 46 for RTP packets.



## Network Settings

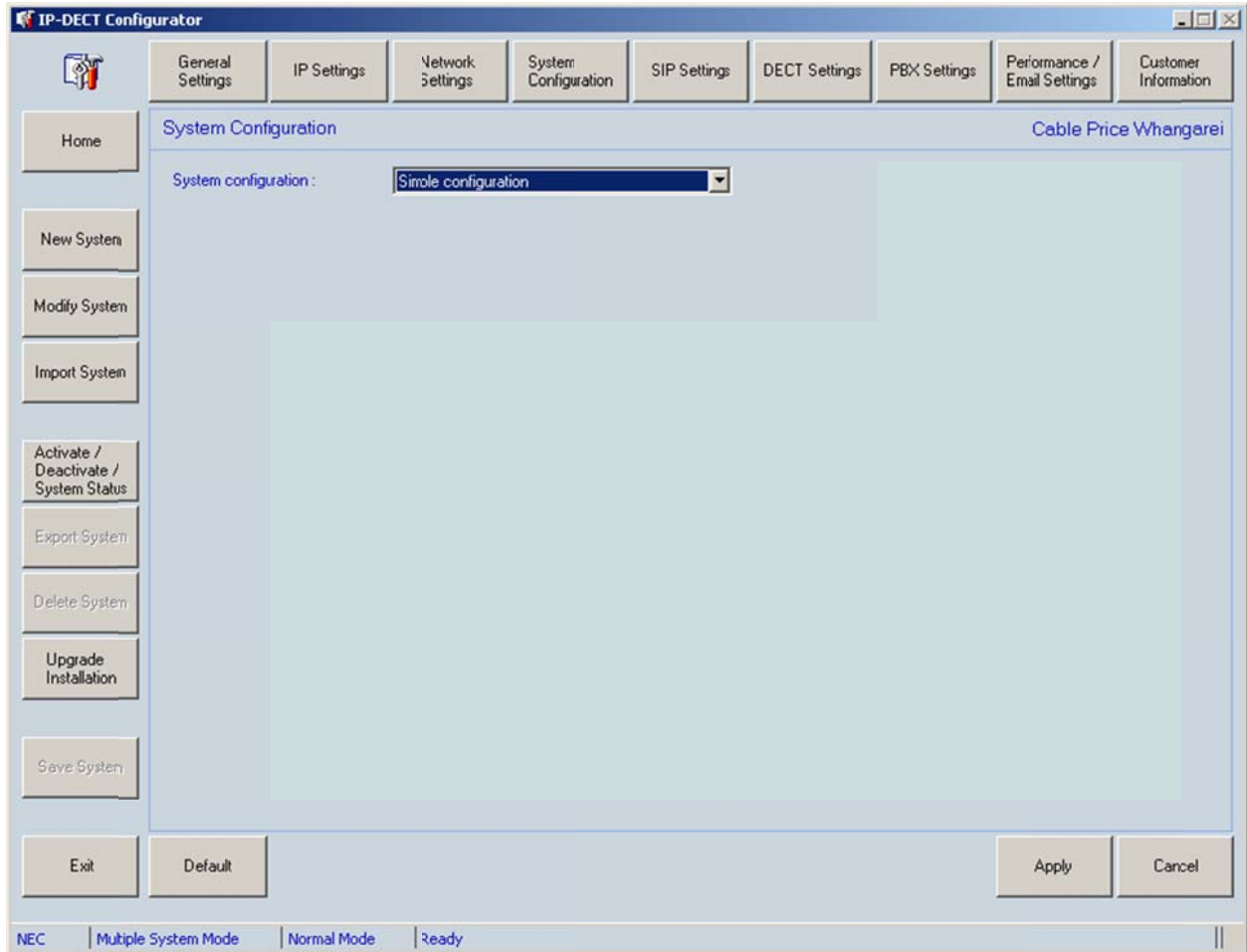
### Boot Option tab

Set to Store Config



## System Configuration

Generally set to Simple Configuration – this is for sites with no branch / remote offices served with IPDECT.



## SIP Settings

General Settings.

Set time offset +12

Registrar address = Proxy IP = Univerge CPU address

The screenshot shows the 'IP-DECT Configurator' application window. The title bar reads 'IP-DECT Configurator'. The main menu includes 'General Settings', 'IP Settings', 'Network Settings', 'System Configuration', 'SIP Settings', 'DECT Settings', 'PBX Settings', 'Performance / Email Settings', and 'Customer Information'. The 'SIP Settings' tab is active, and the 'General Settings' sub-tab is selected. The interface includes a left-hand navigation pane with buttons for 'Home', 'New System', 'Modify System', 'Import System', 'Activate / Deactivate / System Status', 'Export System', 'Delete System', 'Upgrade Installation', and 'Save System'. The main configuration area contains the following fields and controls:

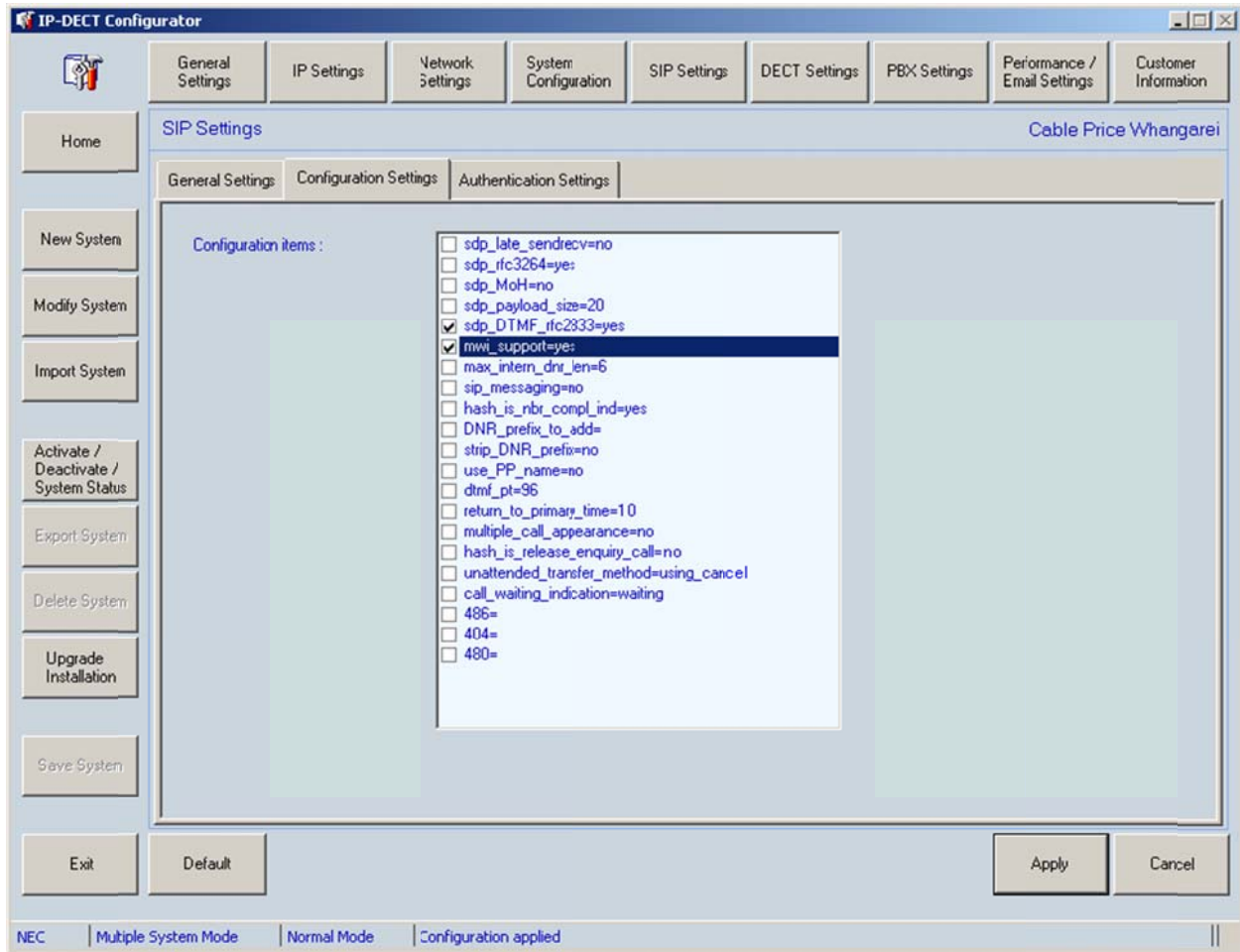
- SIP Server:** Text input field containing 'SV8100'.
- Local time zone:** A dropdown menu set to 'GMT + 12' with 'hours' to its right, and another dropdown set to '00' with 'minutes' to its right.
- SIP domain:** An empty text input field.
- Registrar IP address:** A text input field containing '172.30.1.250', with two buttons labeled 'Proxy IP' and 'This PC IP' to its right.

At the bottom of the window, there are buttons for 'Exit', 'Default', 'Apply', and 'Cancel'. The status bar at the very bottom shows 'NEC | Multiple System Mode | Normal Mode | Ready'.

## SIP Settings

### Configuration Settings

Ensure both DTMF rfc2833 and MWI are ticked.



## DECT Settings

Set country to NZ

Enter PARI code for this site.

The screenshot shows the IP-DECT Configurator application window. The title bar reads "IP-DECT Configurator". The main menu includes: General Settings, IP Settings, Network Settings, System Configuration, SIP Settings, DECT Settings (selected), PBX Settings, Performance / Email Settings, and Customer Information. The left sidebar contains buttons for: Home, New System, Modify System, Import System, Activate / Deactivate / System Status, Export System, Delete System, Upgrade Installation, and Save System. The main content area is titled "DECT Settings" and includes sub-tabs for DECT Settings, Handset Settings, and JAP Settings. The "DECT Settings" sub-tab is active, showing the following fields:

- Country code: New Zealand (dropdown menu)
- PARI: 10191088 (text input)
- SARI: FFFFFFFF (text input)
- Frequency table: 0 (text input)
- Used carriers: A list of checkboxes for Carrier 0 through Carrier 9, all of which are checked.

At the bottom of the window, there are buttons for "Exit", "Default", "Apply", and "Cancel". The status bar at the very bottom displays: "NEC | Multiple System Mode | Normal Mode | Configuration applied".

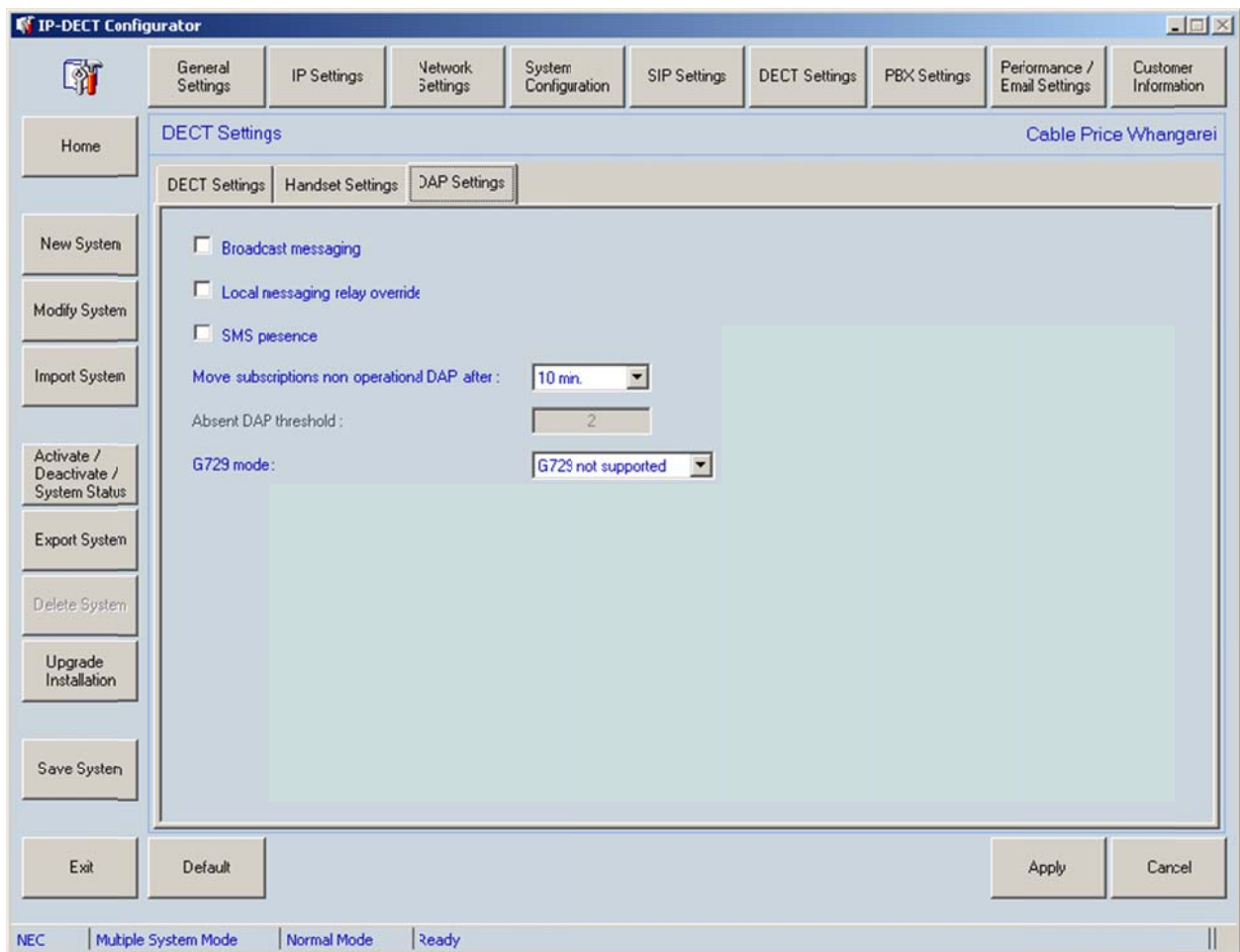
## DECT Settings

### DAP Settings

With SV8100 R3 or before, DECT extns had to be manually assigned to a common IP Group (the IP address of the DAP they were registered to) 15-05-18

Since R4 is it possible for SV8100 DAPs to automatically move subscriptions from a dead DAP to working DAPS. Default is wait 10 minutes before moving.

Also set if G729 is required – note this requires a g729 daughter board on AP300 bases.



Save the system

The screenshot shows the IP-DECT Configurator application window. The title bar reads "IP-DECT Configurator". The main menu includes "General Settings", "IP Settings", "Network Settings", "System Configuration", "SIP Settings", "DECT Settings", "PBX Settings", "Performance / Email Settings", and "Customer Information". The "System Configuration" tab is active, displaying the "System Status" section for a system named "Cable Price Whangarei".

The "System Status" section contains a table with two columns: "Action" and "Status". The actions listed are:

Action	Status
Windows Firewall is enabled	
Configure Windows Firewall for DDS service	OK
Configure Windows Firewall for FWU service	OK
Configure Windows Firewall for PCR service	OK
Configure Windows Firewall for DHCP service	OK
Configure Windows Firewall for TFTP service	OK
Configure Windows Firewall for DapViewer	OK
Creating folder C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\	OK
Saving system Cable Price Whangarei	OK
Changing registry keys from Toyota Thames into Cable Price Whangarei	OK
Saving dapcfg.txt file	OK
Saving ds.txt file	OK
Saving settings.xml file	OK
Saving customer.xml file	OK
Saving web.config file	OK
Saving dhcpstv.ini file in C:\Program files\Dhcp	OK
Saving dhcpstv.ini file in C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\	OK
Copying 4910b522.dwl to C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei	OK
Saving 3CTftp6vc.ini file	OK
Saving FWUSettings.config file	OK
Saving FWU.Service.exe.config file	OK
System saved successful	

Below the table, there is a large empty rectangular area. At the bottom of the window, there are several buttons: "Home", "New System", "Modify System", "Import System", "Activate / Deactivate / System Status", "Export System", "Delete System", "Upgrade Installation", "Save System", "Exit", and a tooltip that says "Save the system" pointing to the "Save System" button. The status bar at the bottom indicates "NEC | Multiple System Mode | Normal Mode".

Activate the system.

Click on the large “play” button to start all selected services.

The screenshot shows the IP-DECT Configurator application window. The title bar reads "IP-DECT Configurator". The interface includes a top navigation bar with tabs for General Settings, IP Settings, Network Settings, System Configuration, SIP Settings, DECT Settings, PBX Settings, Performance / Email Settings, and Customer Information. A left sidebar contains buttons for Home, New System, Modify System, Import System, Activate / Deactivate / System Status, Export System, Delete System, Upgrade Installation, Save System, and Exit. The main area is titled "System Status" and displays a table of services:

Activate	Name	Status	Action
<input checked="" type="checkbox"/>	DOS	Service stopped	<a href="#">Start</a>
<input checked="" type="checkbox"/>	PCR	Service stopped	<a href="#">Start</a>
<input checked="" type="checkbox"/>	FwU	Service stopped	<a href="#">Start</a>
<input checked="" type="checkbox"/>	TFTP Server	Service stopped	<a href="#">Start</a>
<input checked="" type="checkbox"/>	DAP Manager INT	Program not running	<a href="#">Start</a>
<input checked="" type="checkbox"/>	DHCP Server	Program not running	<a href="#">Start</a>
<input type="checkbox"/>	DiagMonitor	Program not running	<a href="#">Start</a>
<input type="checkbox"/>	MMS	Service not installed	NA

Below the table is a large "Action" button and a "play" button. To the right, there are network settings fields: "Required network card settings" with IP address PC (172.30.1.3), Subnet mask (255.255.255.0), and Default gateway. There are also buttons for "Change network", "Network Connections", "Reboot", and "Explore". A "Number of DAPs" field is set to 0.

At the bottom, there is a log window showing the following actions and their statuses:

Action	Status
Configure Windows Firewall for DHCP service	OK
Configure Windows Firewall for TFTP service	OK
Configure Windows Firewall for DapViewer	OK
Creating folder C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\	OK
Saving system Cable Price Whangarei	OK
Changing registry keys from Toyota Thames into Cable Price Whangarei	OK
Saving dapcfig.txt file	OK
Saving ds.txt file	OK
Saving settings.xml file	OK
Saving customer.xml file	OK
Saving web.config file	OK
Saving dhcpsv.ini file in C:\Program Files\Dhcp	OK
Saving dhcpsv.ini file in C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\	OK
Copying 4910b522.dwl to C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\	OK
Saving 3CTftpSvc.ini file	OK
Saving FwUSettings.config file	OK
Saving FwU.Service.exe.config file	OK
System saved successful	
Start rpnadm file monitoring	Rm
Start DHCP monitoring	Dm
Start TFTP monitoring	Tm

The bottom status bar shows "NEC | Multiple System Mode | Normal Mode |".

**IP-DECT Configurator**

General Settings | IP Settings | Network Settings | System Configuration | SIP Settings | DECT Settings | PBX Settings | Performance / Email Settings | Customer Information

Home | System Status | Cable Price Whangarei

Activate	Name	Status	Action
<input checked="" type="checkbox"/>	DDS	Service running (1.5.22.3)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	PCR	Service running (5.1.54.12066)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	FWU	Service running (2.1.57.12066)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	TFTP Server	Service running	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	DAP Manager INT	Program not running	<a href="#">Start</a>
<input checked="" type="checkbox"/>	DHCP Server	Program running (V1.8.1)	<a href="#">Stop</a>
<input type="checkbox"/>	DiagMonitor	Program not running	<a href="#">Start</a>

Required network card settings :

IP address PC :  [Change network](#)

Subnet mask :  [Network Connections](#)

Default gateway :

Number of DAPs :  [Reboot](#)

[Explore](#)

Action	Status
Start TFTP monitoring	Tm
Activating system Cable Price Whangarei	
Copying web.config file to C:\inetpub\wwwroot\CDS	OK
Saving FWUSettings.config file	OK
Saving FWU.Service.exe.config file	OK
Updating file dhcpvsv.ini in C:\Program Files\Dhcp	OK
Updating file 3CTftpSvc.ini in C:\WINXP	OK
Starting DAP-0DS service	OK
Starting DAP-PCR service	OK
Starting FWU service	OK
Starting 3CTftpSvc service	OK
Starting IISADMIN service	OK
Starting DHCP server	OK
Start dhcpvsv.ini file monitoring	Dm
Starting DAP Manager INT	OK
DHCP Server started	Dm
Adapter 0 with IP address 169.254.241.150 found but not used	Dm
Adapter 1 with IP address 10.0.1.98 found but not used	Dm
Adapter 2 with IP address 172.30.1.3 found	Dm
System is activated now	

NEC | Multiple System Mode | Normal Mode | Program will be closed in 9 minutes and 45 seconds!

Screen Shot below shows the DHCP service allocating an address to a base station, and the TFTP service sending the configuration and firmware files.

The screenshot displays the IP-DECT Configurator software interface. The title bar reads "IP-DECT Configurator". The main menu includes: General Settings, IP Settings, Network Settings, System Configuration, SIP Settings, DECT Settings, PBX Settings, Performance / Email Settings, and Customer Information. The current view is "System Status" for "Cable Price Whangarei".

On the left, there is a vertical toolbar with buttons: Home, New System, Modify System, Import System, Activate / Deactivate / System Status, Export System, Delete System, Upgrade Installation, Save System, and Exit.

The central area contains a table of services:

Activate	Name	Status	Action
<input checked="" type="checkbox"/>	DOS	Service running (1.5.22.3)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	PCR	Service running (5.1.54.12066)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	FwU	Service running (2.1.57.12066)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	TFTP Server	Service running	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	DAP Manager INT	Program running (5.20.0075)	<a href="#">Stop</a>
<input checked="" type="checkbox"/>	DHCP Server	Program running (V1.8.1)	<a href="#">Stop</a>
<input type="checkbox"/>	DiagMonitor	Program not running	<a href="#">Start</a>

To the right of the table, there are network settings: "Required network card settings:" with fields for IP address PC (172.30.1.3), Subnet mask (255.255.255.0), and Default gateway. There are also buttons for "Change network", "Network Connections", "Reboot", and "Explore". A "Number of DAPs" field is set to 0.

Below the table is an "Action" log with a "Status" column:

Action	Status
Adapter 0 has recognized an incoming request	Dm
File dhcpshr.ini updated	Dm
Lookup client data for physical address 00-18-27-00-D9-F9	Dm
File dhcpshr.ini updated	Dm
Client 00-18-27-00-D9-F9 is not configured	Dm
Perform auto configuration	Dm
IPPOOL_1: 172.30.1.100-150	Dm
Auto configuration succeeded: IP-Addr = 172.30.1.100	Dm
DHCP message = DHCPDISCOVER	Dm
Response: offer the configured IP address	Dm
Sending a response to the client	Dm
Adapter 0 has recognized an incoming request	Dm
Lookup client data for physical address 00-18-27-00-D9-F9	Dm
Client 00-18-27-00-D9-F9 is configured with the IP address 172.30.1.100	Dm
DHCP message = DHCPREQUEST	Dm
Response: hand out the configured IP address	Dm
Sending a response to the client	Dm
Host 172.30.1.100 requests GET of file C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\...	Tm
Successful send of C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\dapcfg.txt, 1075 byt...	Tm
Host 172.30.1.100 requests GET of file C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\...	Tm
Successful send of C:\Documents and Settings\All Users\Application Data\Nec\DAP Controller\Cable Price Whangarei\4910b522.dwl, 219...	Tm

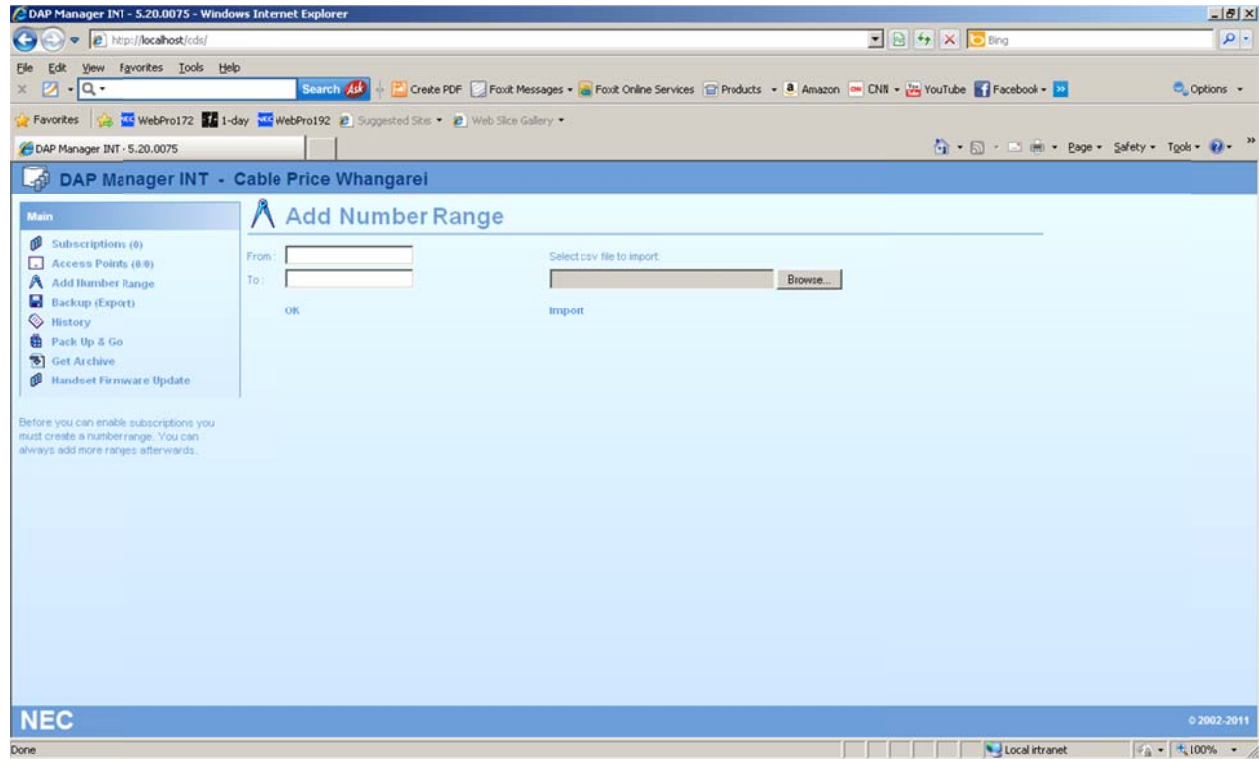
At the bottom, there is a status bar with "NEC", "Multiple System Mode", "Normal Mode", and a red warning: "Program will be closed in 5 minutes and 50 seconds!".

When the first base is on-line it will be possible to subscribe handsets.

## Handset Subscription

When DAP Manager is started, a browser window will start.

Enter the extn numbers in the Add Number Range page.



On the Subscriptions page,

Highlight the handset you want to register.

Click on Enable – this will generate a PIN

The screenshot shows the DAP Manager INT web interface in Internet Explorer. The page title is "DAP Manager INT - Cable Price Whangarei". The main content area is titled "Subscriptions" and features a table with the following data:

Number	Status	PIN	RPN	Presence	Registration status	Handset type	SW version	Comment	Edit
208	Enabled	0114							Edit
209	Free								Edit
214	Free								Edit

The "Subscriptions" menu on the left includes options: Enable, Disable, Enable Free Numbers for Subscription (Shift+F5), and Delete Handset. The "Enable" option is highlighted. Below the table, there is a "Park" field with the value "31100310413406".

On the DECT handsets, select menu / settings / connectivity / registration.

Enter the PIN number, extn number – other fields can be skipped.