Chapter 2 – Inspection before installation

2.1 Power requirements

1) AC voltage : external power adapter, 110V~220V, 60Hz
2) Use only the power adapter supplied with the product.
3) For procurement of additional adapters, contact the supplier directly.

Telⓘmax211/212 shows maximal performance when using a power with minimal sparks and noise. Different power control devices may be used out of necessity. Also, because liquids or metallic substances can result in electric shock, short circuit, or fire when allowed to pass into the equipment, do not indiscriminately repair or modify the product.

2.2 Working environment

1) Temperature : 0~40 °C
2) Humidity : 5% ~ 85%

2.3 Confirming the parts of Telⓘmax211/212

Open the packaging of Telⓘmax211/212 to confirm the inclusion of the following.

① 1 Telⓘmax211/212 main component
② 1 power supply adapter
③ 1 Ethernet cable (1:1 connector)
④ Telephone wire: Telⓘmax211(1), Telⓘmax212(2)
⑤ User's manual, part 1

Chapter 3 - Installation

3.1 Cable connection

1) Connect the WAN Port of Telⓘmax211/212 to the router connected to the external network or the Ethernet Port (ADSL, cable modem, etc) of the modem via the Ethernet cable.
2) Connect the PC Port of Telⓘmax211/212 to the LAN Card of the PC or the Ethernet Port of the HUB (connect using the Ethernet cable when using a PC)
3) Connect the telephone lines to be used with Telⓘmax211/212 to TEL1 and TEL2 Ports.
4) Turn on the power after the above cable connections have been made.

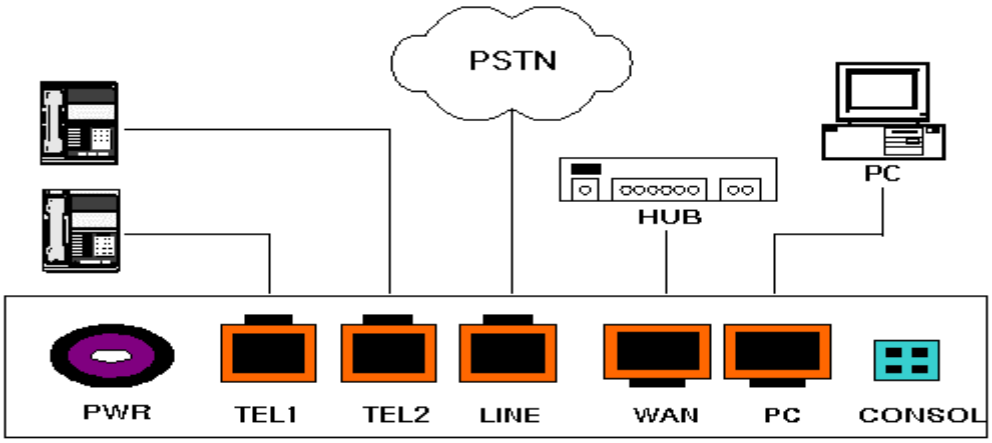


Figure 4. Cable connection

➢ Checking basic functions

1) If the PWR, WAN, PC LED light up with a green color after the above connections have been made and the power turned on, this means that the product is functioning normally.
2) If the TEL1, TEL2 LED light up with a green color upon picking up the telephone receiver connected to the respective ports, this means that the

product is functioning normally.

3) If the above equipment is not functioning normally, check the respective connectors.

3.2 PC network configuration for Web Server connection

This product can connect to the existing Web Server and easily set the parameters. Proceed in the following order.

In order to connect to the Web Server address internalized within the equipment, http://192.168.125.1:8763, set up the PC network configuration as the same network group as the Web Server.

3.2.1 Setting up with WINDOWS 9X, ME

1) [Start]->[Configuration]->[Control panel]->[Network] double click -> [TCP/IP] double click.

2) Enter the IP address and subnet mask as appear below when the TCP/IP information appears.

3) Enter an IP address between 192.168.125.2 and 192.168.125.254, and the subnet mask as 255.255.255.0.

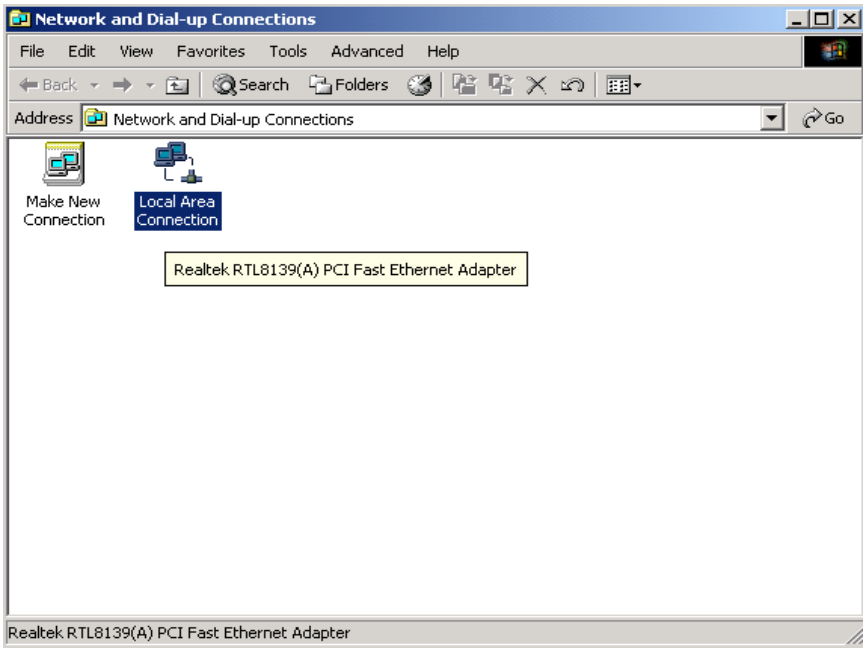
☞ Caution : In the case that several PCs are connected be careful not to use the same IP address twice.

4) After selecting the Gateway tab, click the [Add] button after entering the new Gateway, 192.168.125.1.

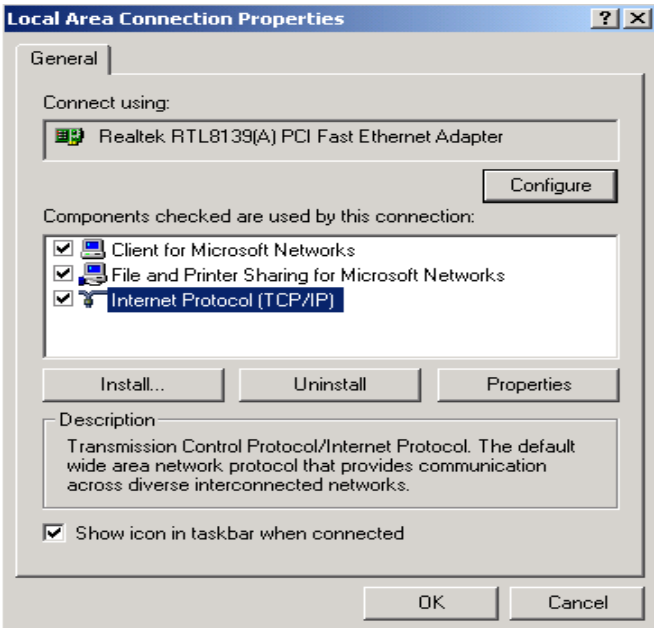
5) After completing this process, a screen asks if you wish to reboot. In order to apply the modified network configuration, click the Yes (Y) button and reboot the system.

3.2.2 Setting up with WINDOWS 2000

[Start]->[Configuration]->[Control Panel]->[Network] double click -> [Network and telephone connections] double click -> [local network connection] click on the icon with the right side of the mouse and select registration information.

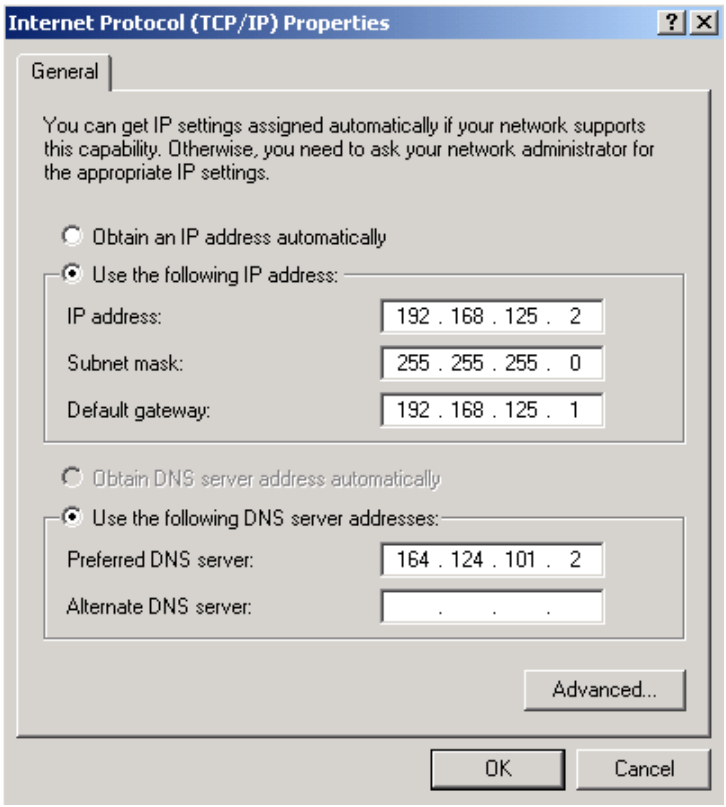


Double click [TCP/IP] at local network connection registration information.



Enter the IP address and subnet mask after the TCP/IP information appears as below. Enter the IP address between 192.168.125.2 and 192.168.125.254, and a subnet mask of 255.255.255.0. Also, enter the Gateway address as 192.168.125.1.

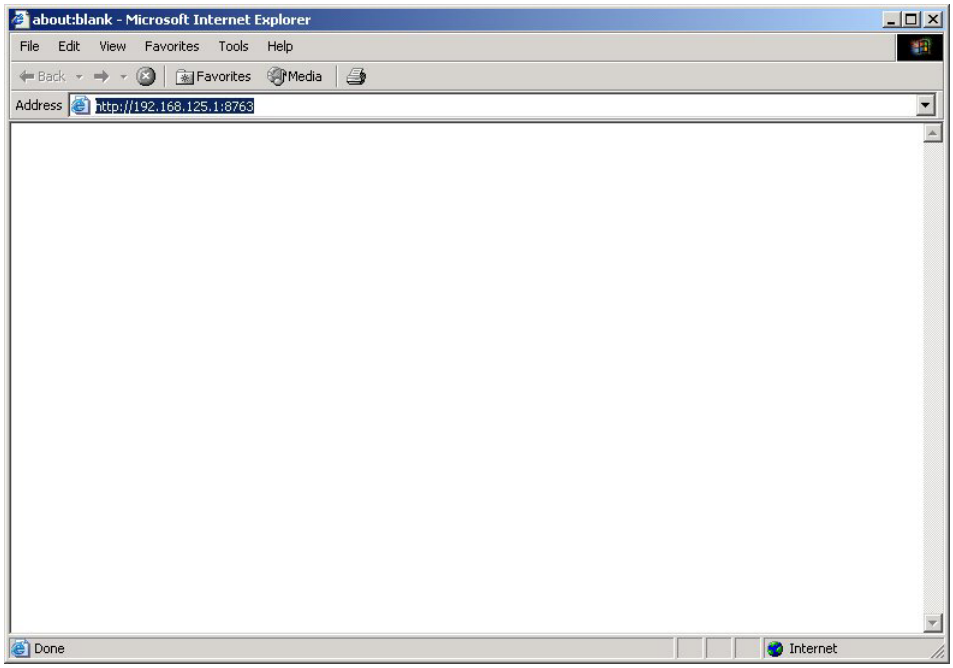
☞ Caution : In the case that several PCs are connected be careful not to use the same IP address twice.



After completing the above process, click on [Confirm] and click on [Confirm] at "local network registration information". (There is no need to reboot Windows2000)

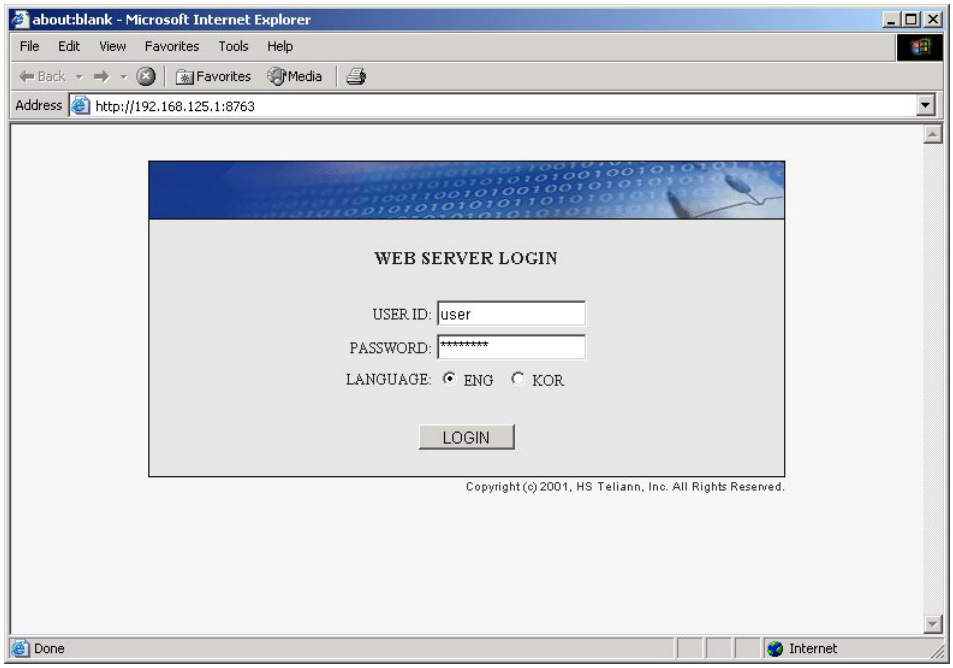
3.3 Connecting to the Web Server

1) After completing the PC network configuration, set up the Web browser (Internet Explorer or Netscape) and after entering the Web Server address, http://192.168.125.1:8763 press enter. At the time of shipment, the IP Port address of the LAN port of to be connected to the PC is set at 192.168.125.1 and represents the Web Server address. Thus according, in the case of IP address modification, one must use the new address in order to connect to the Web Server.

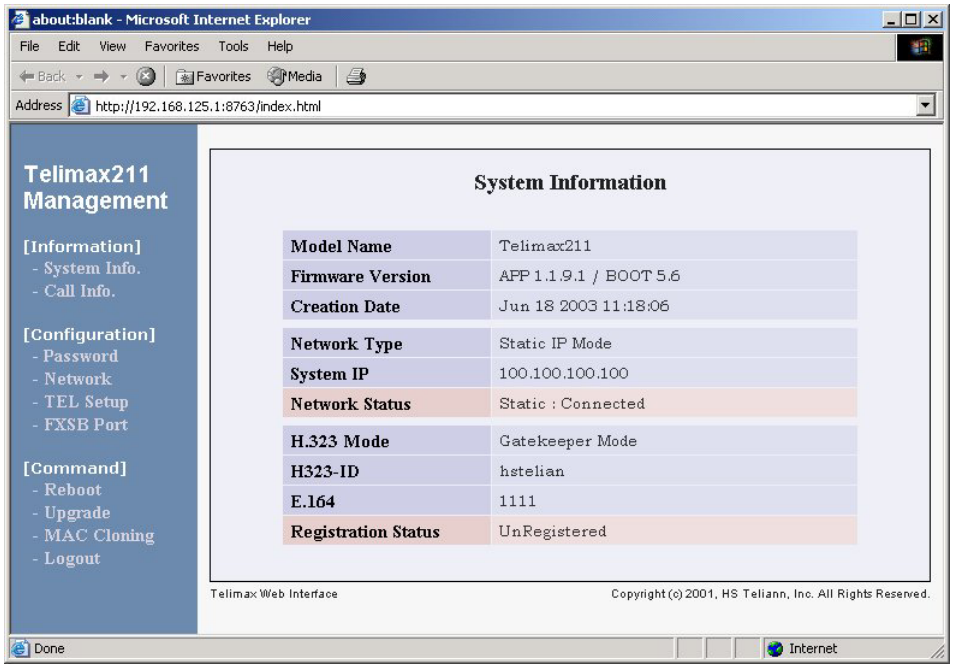


2) If the product is functioning properly, the following screen will appear. After entering the USER ID, PASSWORD, and LANGUAGE click the LOGIN button. At the time of shipment, the ID and Password are registered according the user. The Password can be changed in the password modification menu.

3)



4) After completion of the Login process, the following system information page will appear.



☞ In order to place/receive telephone calls, the network and telephone setting must be properly set at the above menu.

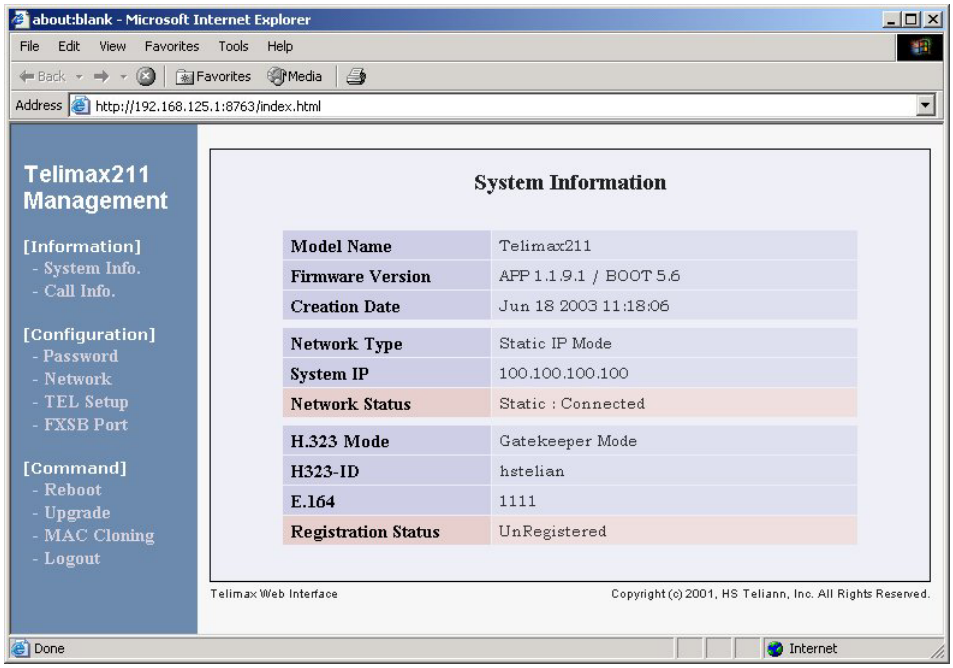
3.4 Network configuration

The Web Server is divided into Information, Configuration, and Command and each of these sections must be properly set to ensure normal product function.

Before setting up the menu, the user must accurately know the state of the present web (Static, DHCP, ADSL/PPPoE) and the corresponding necessary information (IP address, Subnet Mask, Gateway address, H.323 ID, E.164 ID).

3.4.1 Information

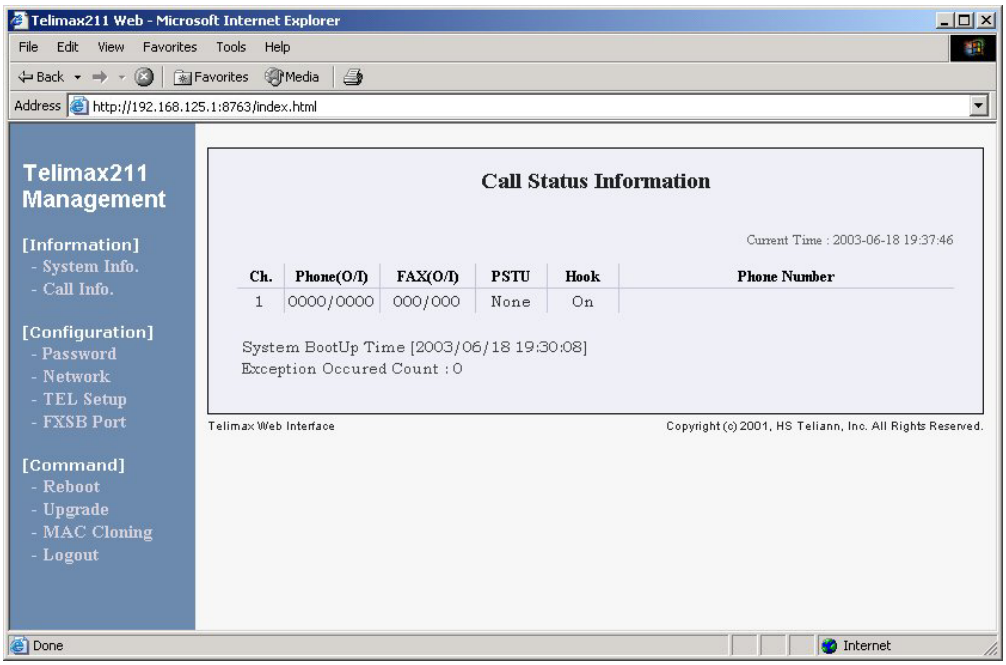
1. System information



- Model type : model type of the product
- Firmware version : version of the presently running software
- Firmware release date : the manufacture date of the respective software
- Network type : type of the presently connected network
- System IP : the product's IP Address
- Network status : connection status to the network
- H.323 mode : VoiP call connection type (Gatekeeper / Direct)
- H.323-ID : the product's registered H.323 ID
- E.164 number : the product's registered E.164 Number (Tel Number)
- Keeper registration status : Gatekeeper registration status

2. Calling information

Shows the statistics according to each port.



The usage on each port can be visualized in respect to Phone, FAX, and BACKUP. O/I refers to Outgoing/Incoming, and the counter figure rises only with the connection of a placed call (after the called party picks up the receiver). Therefore, if the called party does not pick up a ringing telephone, the counter does not rise. In the case of facsimile transfers, because the change to transfer call occurs after voice calling, the figures representing Phone and FAX rise simultaneously.

PSTU shows the user the present usage status of the PSTN line; USE signifies that the PSTN line is being used. The figure under Backup shows the number of calls referred to the PSTN backup. If the user presses '#' etc and manually transfers the call to the PSTN line, the counter does not rise. Only when there is an automatic transfer because the network is unstable, or the connection to the Gatekeeper has been disconnected, etc, does the counter rise. Hook status is ON if the receiver is not picked up and OFF if it is picked up. Momentarily, OFF may be displayed with the receiver on the hook, but this does not signify a malfunction as the display changes to ON after the completing usage.

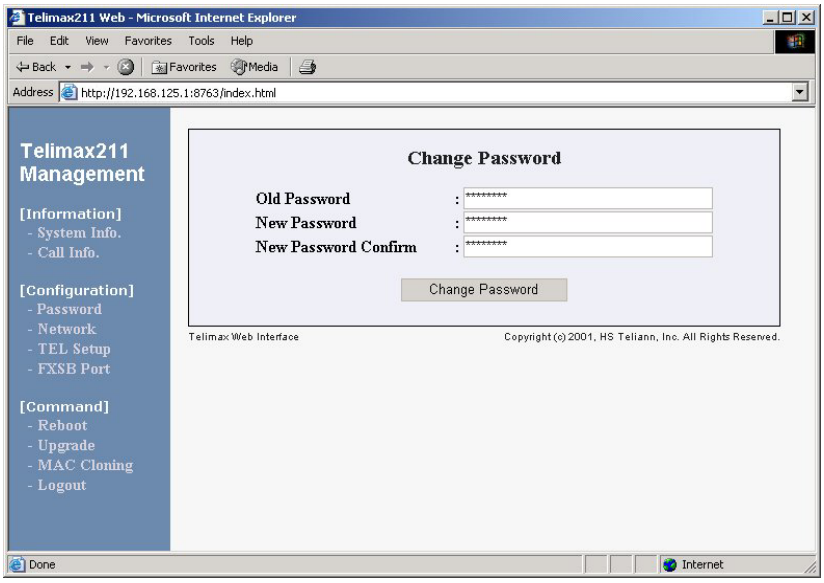
In the Phone Number section, in respect to placing a call '->' will be displayed with the number of the called party. In the case of receiving a call '<-' will be displayed with the number of the calling party.

3.4.2 Configuration

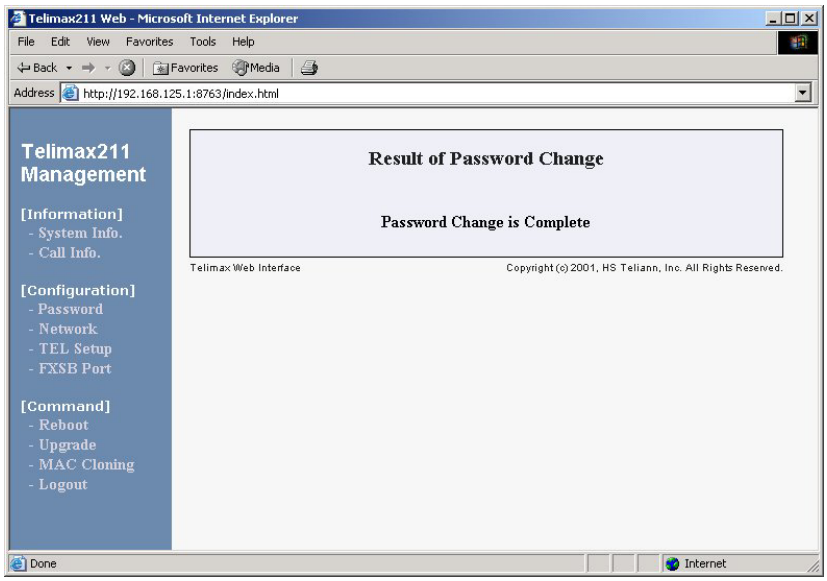
1. Password modification

The user ID cannot be changed.

1) Enter the previous password.
2) Enter the new password.
3) Re-enter the new password.



After completing all entries at the above screen, click the Change Password button and the following screen will appear. Check to see if the information is correct.

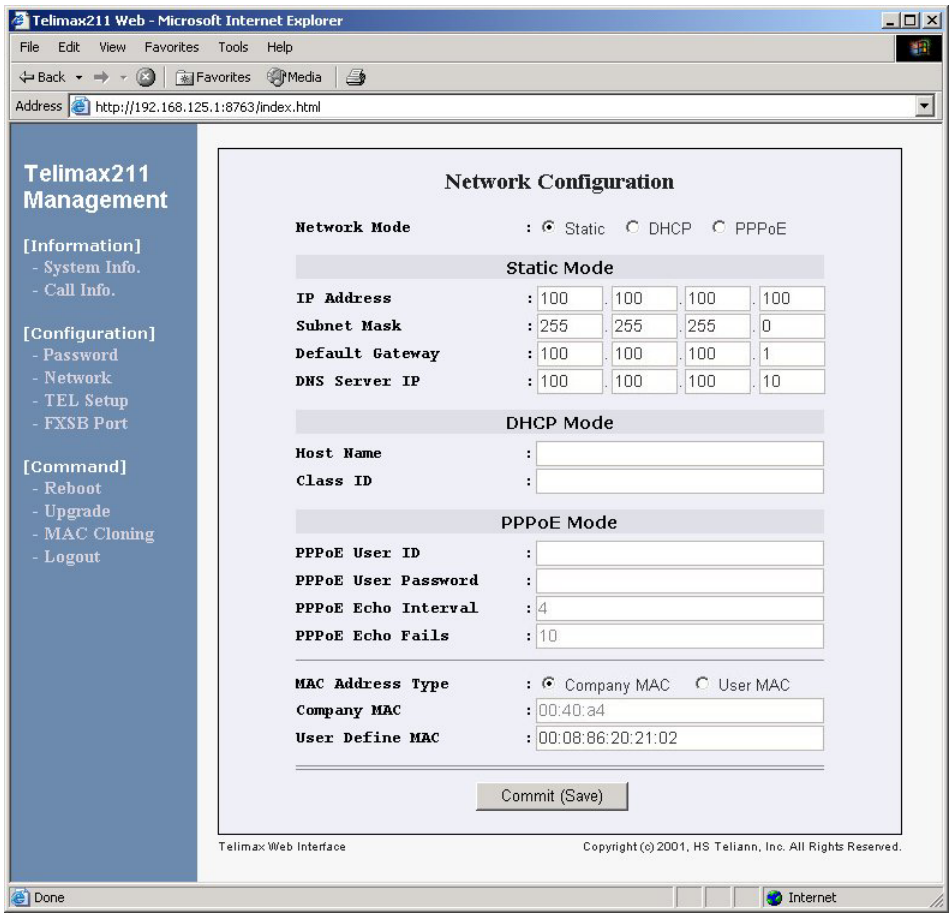


2. Network

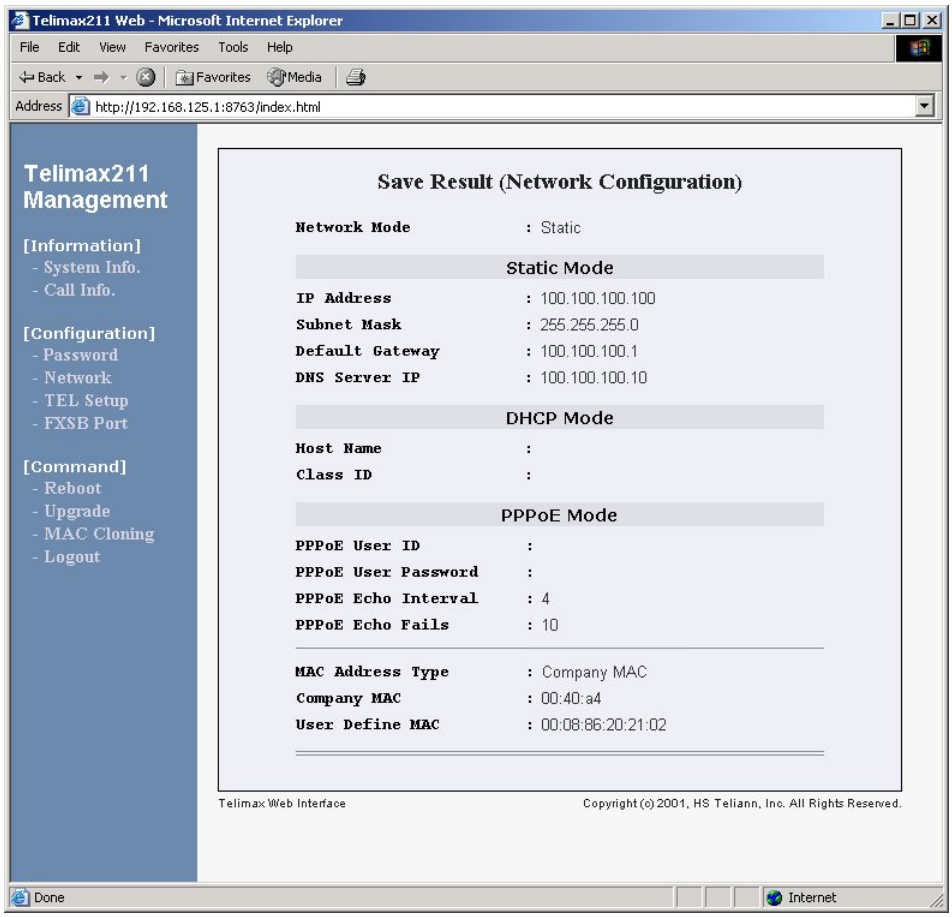
2.1 Static Mode

1) Click Static.

2) Enter the IP address, Subnet Mask, and Gateway value.

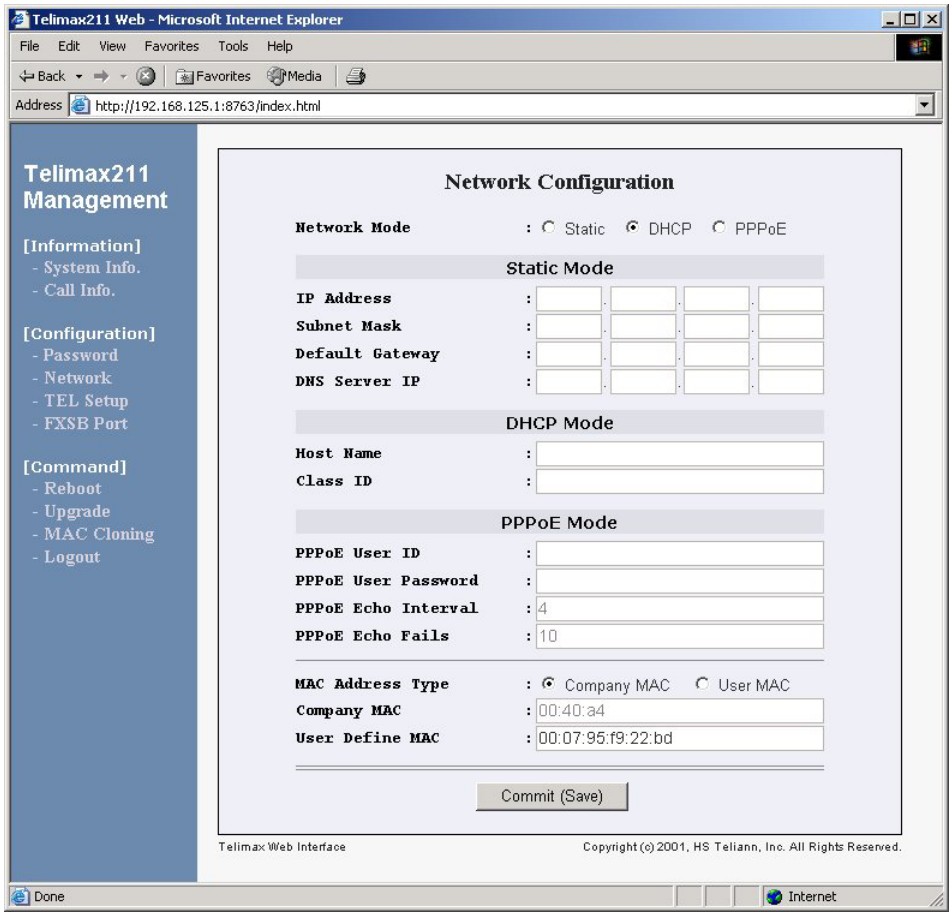


After completing the entries at the above screen, click the Commit (Save) button and the following screen will appear. Check to see that the information is correct.

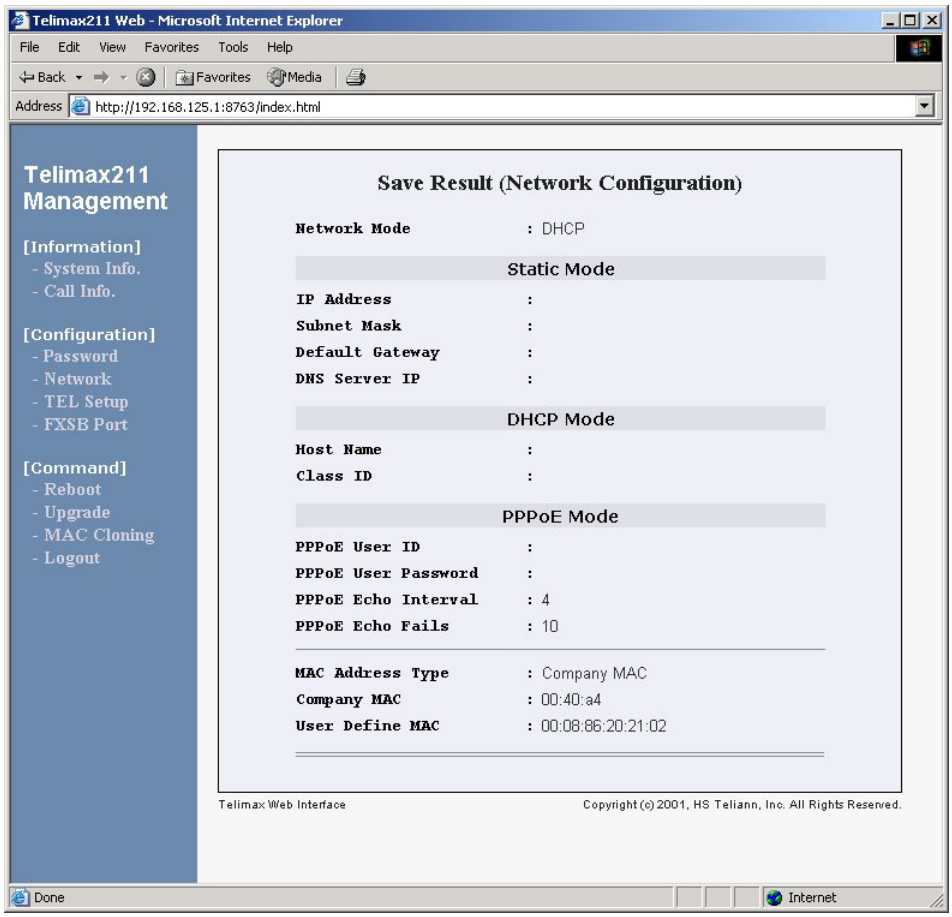

Telimax211 Web - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Favorites Media
Address http://192.168.125.1:8763/index.html
Telimax211 Management
[Information]
- System Info.
- Call Info.
[Configuration]
- Password
- Network
- TEL Setup
- FXSB Port
[Command]
- Reboot
- Upgrade
- MAC Cloning
- Logout
Save Result (Network Configuration)
Network Mode : Static
Static Mode
IP Address : 100.100.100.100
Subnet Mask : 255.255.255.0
Default Gateway : 100.100.100.1
DNS Server IP : 100.100.100.10
DHCP Mode
Host Name :
Class ID :
PPPoE Mode
PPPoE User ID :
PPPoE User Password :
PPPoE Echo Interval : 4
PPPoE Echo Fails : 10
MAC Address Type : Company MAC
Company MAC : 00:40:a4
User Define MAC : 00:08:86:20:21:02
Telimax Web Interface
Copyright (c) 2001, HS Teliann, Inc. All Rights Reserved.
Done
Internet

2.2 DHCP Mode

1) Click DHCP.
2) Host Name and Class ID are usually left in the Empty state. However, according to the characteristics of the Cable web, enter the Host Name and Class ID when required.



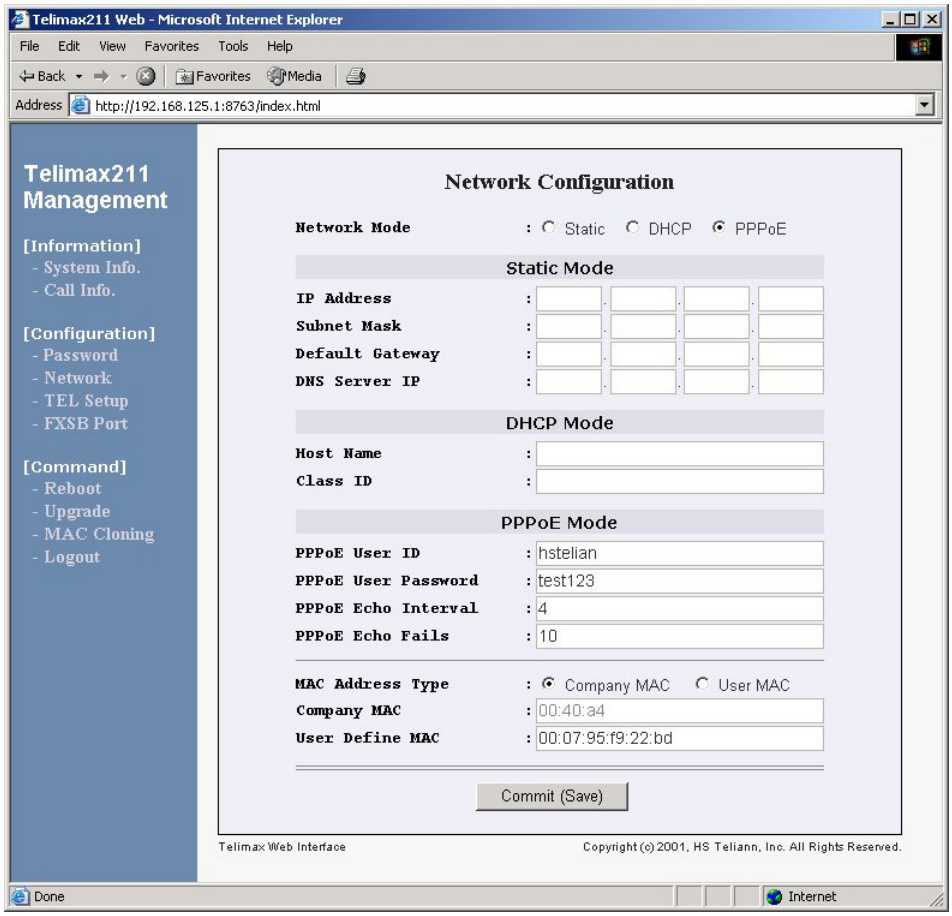
After completing the entries at the above screen, click the Commit (Save) button and the following screen will appear. Check to see that the information is correct.


Telimax211 Web - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Favorites Media
Address http://192.168.125.1:8763/index.html
Telimax211 Management
[Information]
- System Info.
- Call Info.
[Configuration]
- Password
- Network
- TEL Setup
- FXSB Port
[Command]
- Reboot
- Upgrade
- MAC Cloning
- Logout
Save Result (Network Configuration)
Network Mode : DHCP
Static Mode
IP Address :
Subnet Mask :
Default Gateway :
DNS Server IP :
DHCP Mode
Host Name :
Class ID :
PPPoE Mode
PPPoE User ID :
PPPoE User Password :
PPPoE Echo Interval : 4
PPPoE Echo Fails : 10
MAC Address Type : Company MAC
Company MAC : 00:40:a4
User Define MAC : 00:08:86:20:21:02
Telimax Web Interface
Copyright (c) 2001, HS Teliann, Inc. All Rights Reserved.
Done
Internet

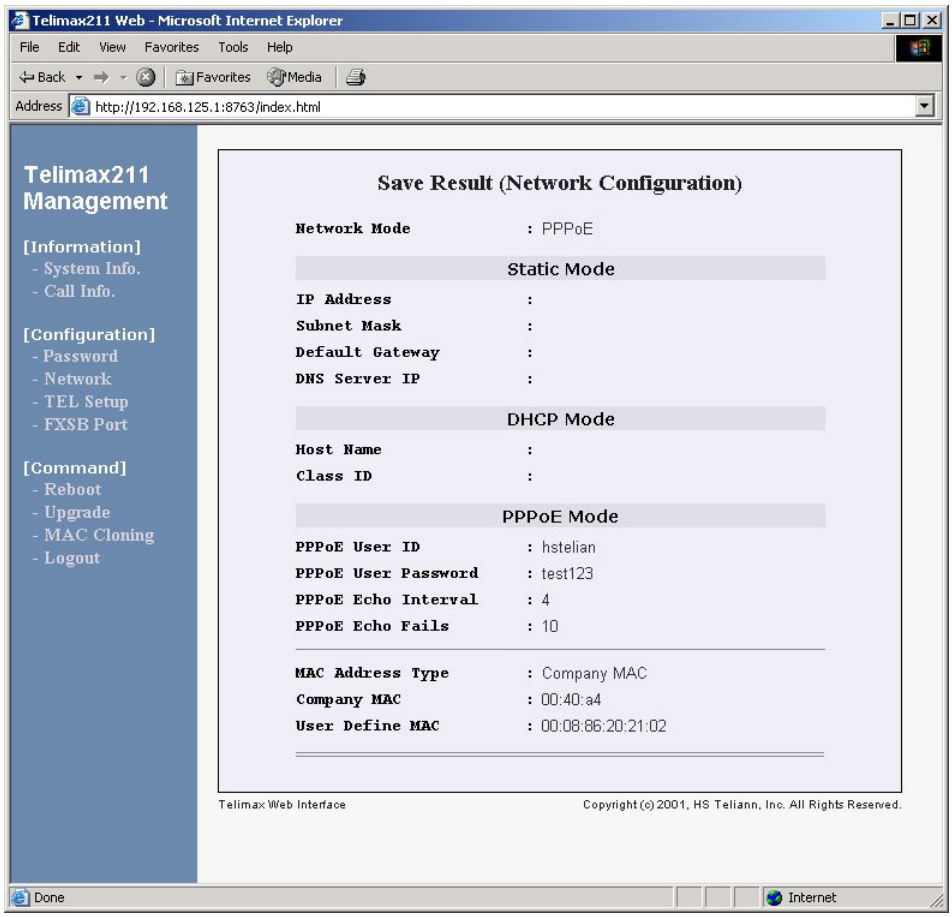
2.3 PPPoE Mode

1) Click PPPoE.

2) Enter the User ID and password given by the service provider.



After completing the entries at the above screen, click the Commit (Save) button and the following screen will appear. Check to see that the information is correct.

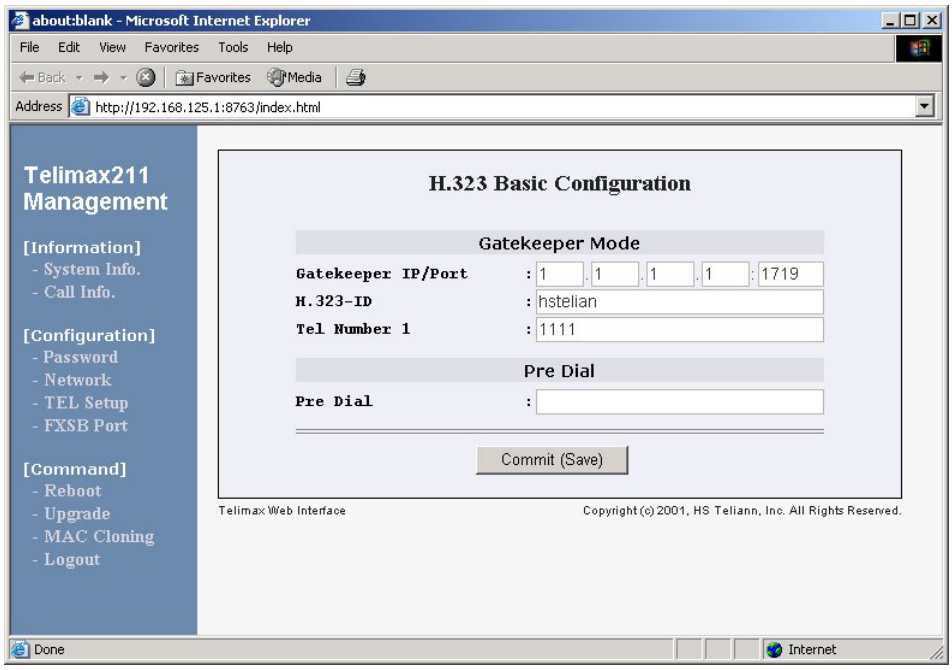

Telimax211 Web - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Favorites Media
Address http://192.168.125.1:8763/index.html
Telimax211 Management
[Information]
- System Info.
- Call Info.
[Configuration]
- Password
- Network
- TEL Setup
- FXSB Port
[Command]
- Reboot
- Upgrade
- MAC Cloning
- Logout
Save Result (Network Configuration)
Network Mode : PPPoE
Static Mode
IP Address :
Subnet Mask :
Default Gateway :
DNS Server IP :
DHCP Mode
Host Name :
Class ID :
PPPoE Mode
PPPoE User ID : hstelian
PPPoE User Password : test123
PPPoE Echo Interval : 4
PPPoE Echo Fails : 10
MAC Address Type : Company MAC
Company MAC : 00:40:a4
User Define MAC : 00:08:86:20:21:02
Telimax Web Interface
Copyright (c) 2001, HS Teliann, Inc. All Rights Reserved.
Done
Internet

3. Telephone configuration

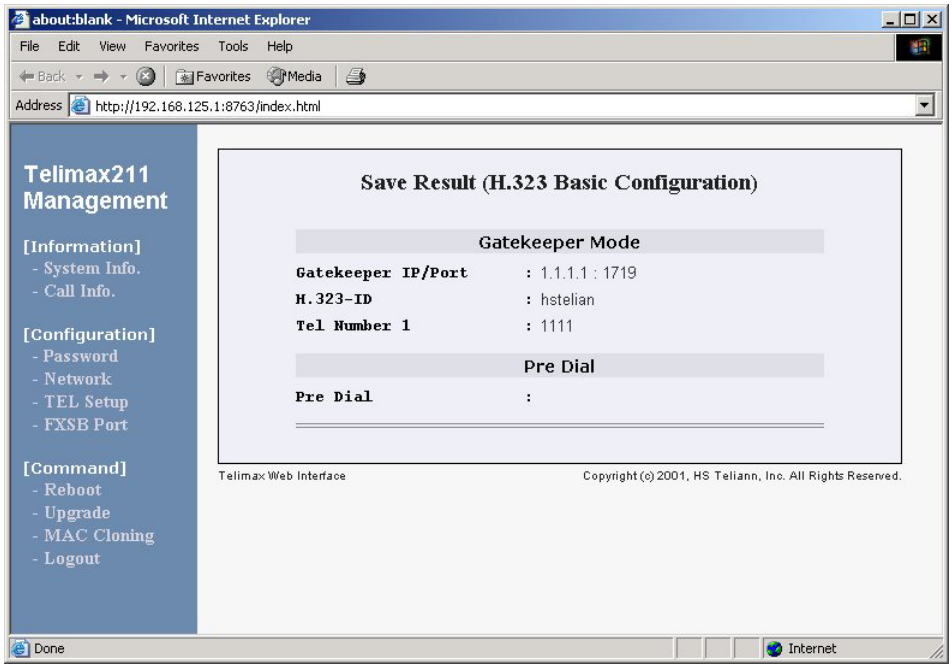
H.323 basic network configuration allows the user to set values for calls made with the VOIP connection. Therefore, party to be connected, method of connection, and number to be used can be selected. The user must select between Gatekeeper mode and Direct mode.

Gatekeeper mode connects the call via a relay through the Gatekeeper, and the Direct mode refers to a direct connection between VOIP devices via respective IPs.

1) Click on Gatekeeper in the H.323 user mode.
2) Enter the Gatekeeper IP/Port, H.323 ID, and the telephone number of groups 1, and 2.

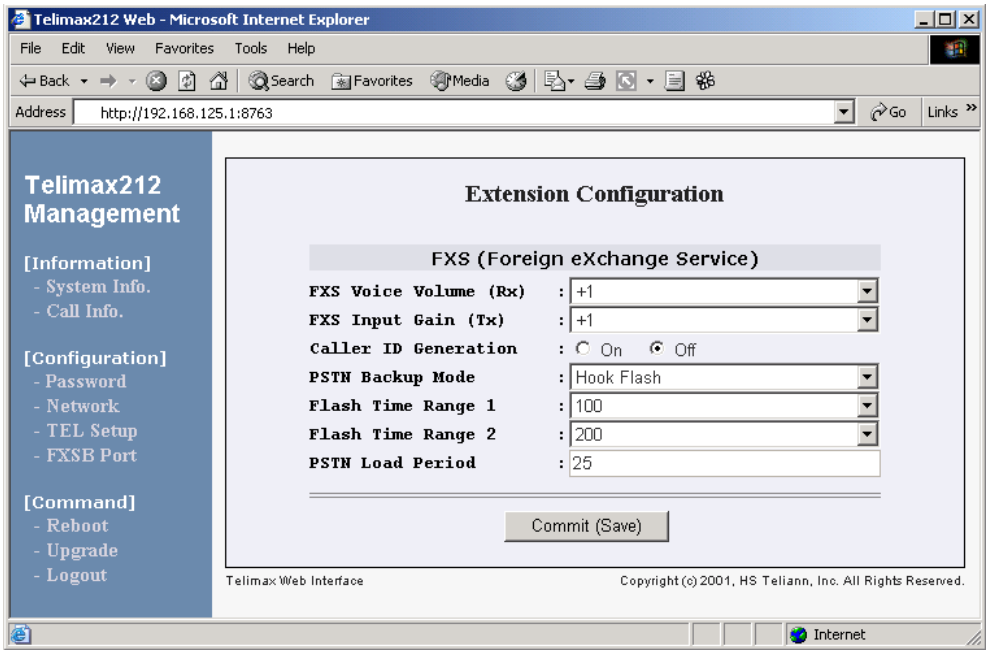


After completing the entries at the above screen, click the Commit (Save) button and the following screen will appear. Check to verify that the information is correct.

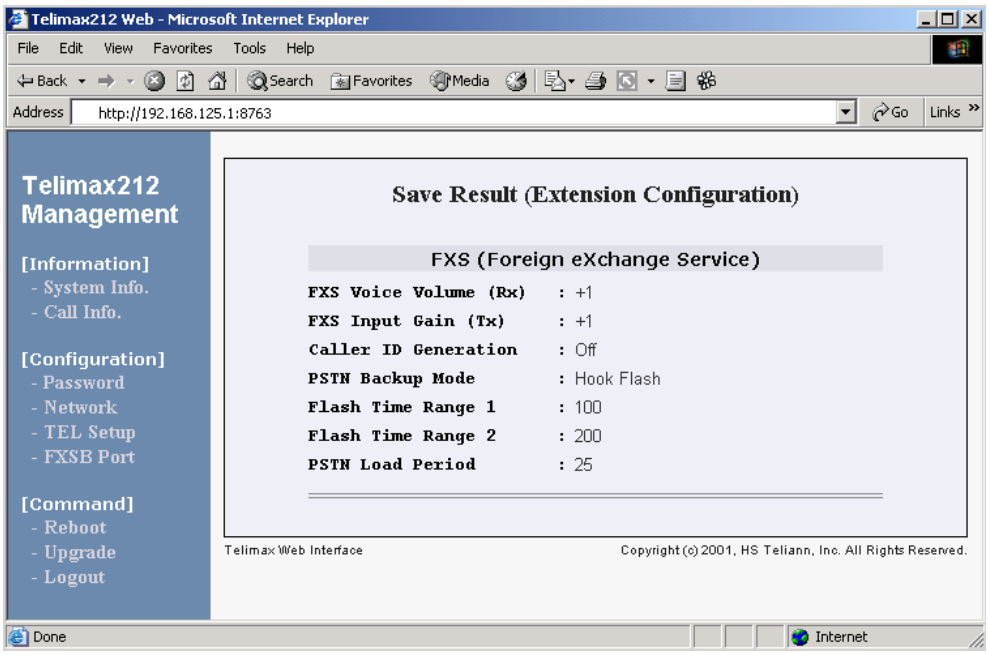

about:blank - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Favorites Media
Address http://192.168.125.1:8763/index.html
Telimax211 Management
[Information]
- System Info.
- Call Info.
[Configuration]
- Password
- Network
- TEL Setup
- FXSB Port
[Command]
- Reboot
- Upgrade
- MAC Cloning
- Logout
Save Result (H.323 Basic Configuration)
Gatekeeper Mode
Gatekeeper IP/Port : 1.1.1.1 : 1719
H.323-ID : hstelian
Tel Number 1 : 1111
Pre Dial
Pre Dial :
Telimax Web Interface
Copyright (c) 2001, HS Teliann, Inc. All Rights Reserved.
Done
Internet

4. Interface configuration

Control the speaker and microphone volume.



After completing the entries at the above screen, click the Commit (Save) button and the following screen will appear. Check to see that the information is correct.

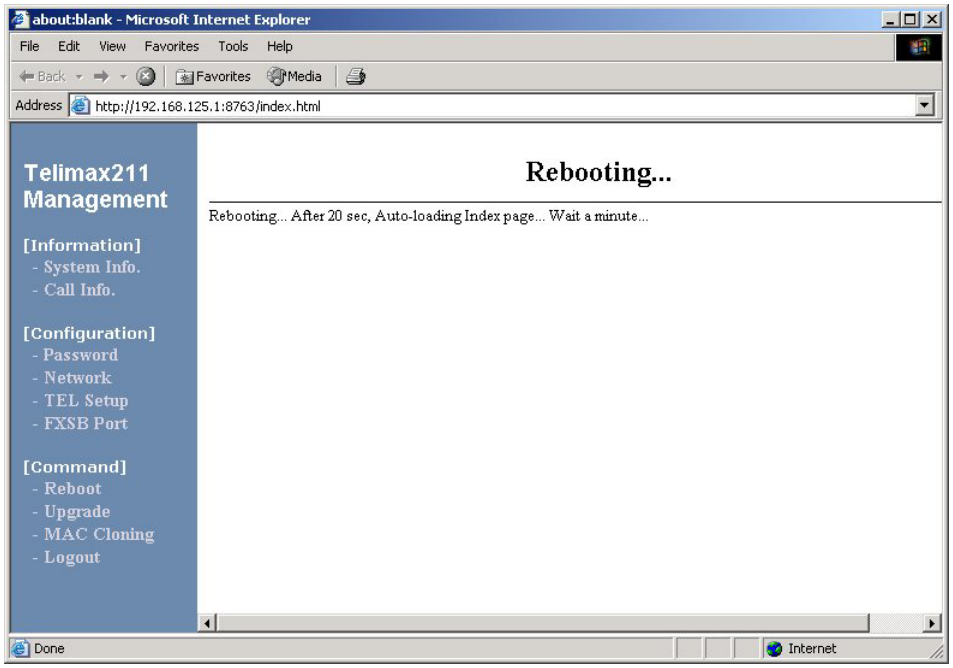


3.4.3 Command

1. Rebooting

Use when rebooting the equipment.

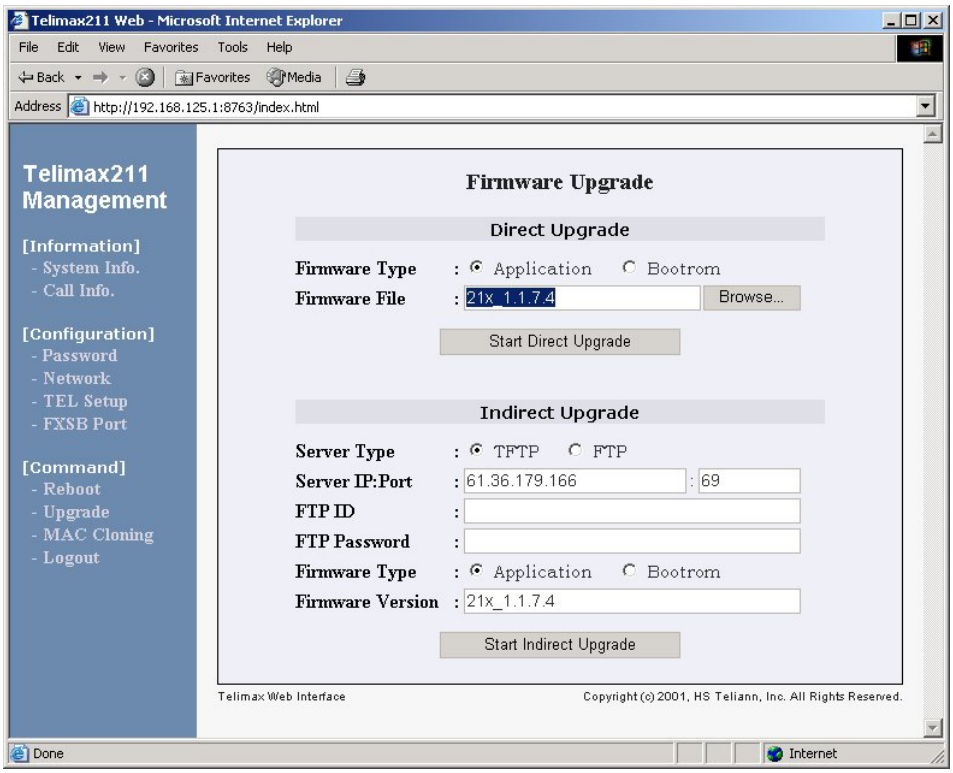
Click on the [Confirm] button and the following screen will appear. Wait until rebooting is completed.



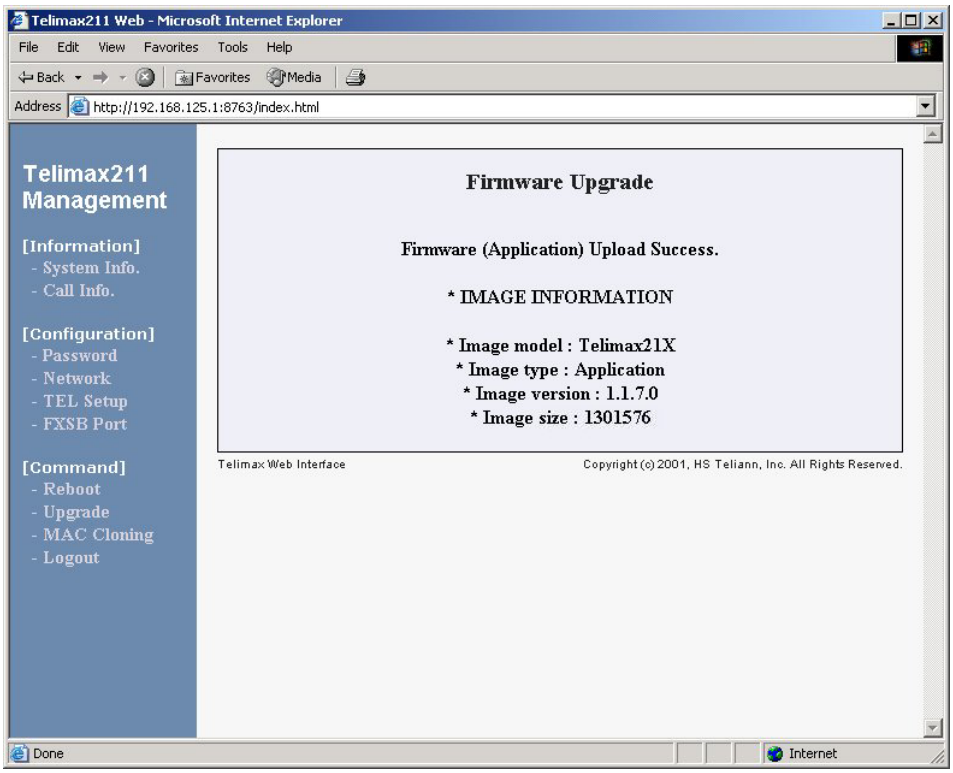
2. Upgrade

Upgrade offers users the opportunity to supplement software or add new functions or modifications by allowing changes to old versions.

1) Click Browse... to select the upgrade file.

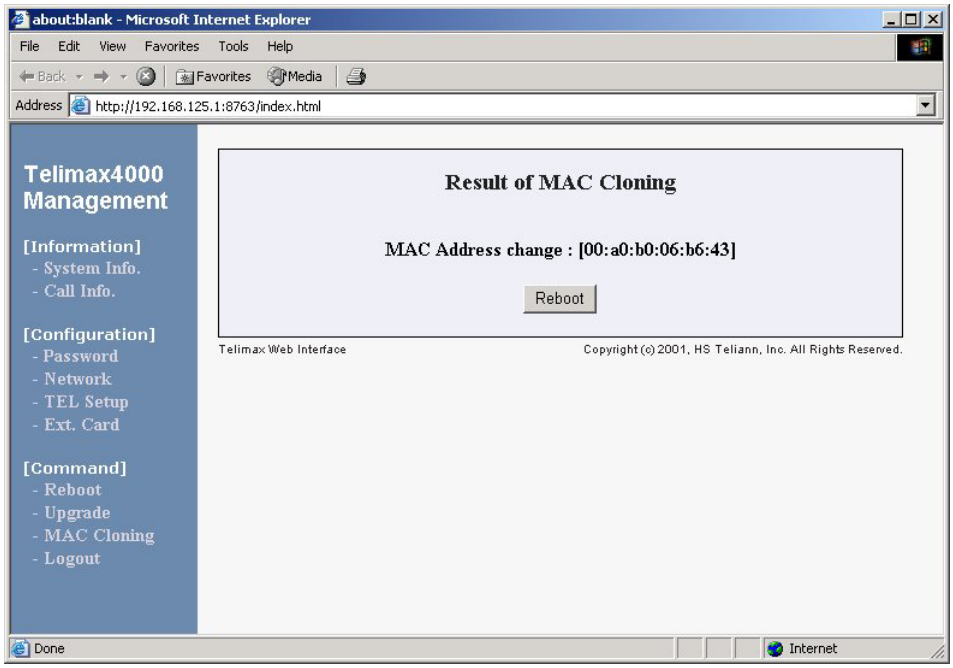


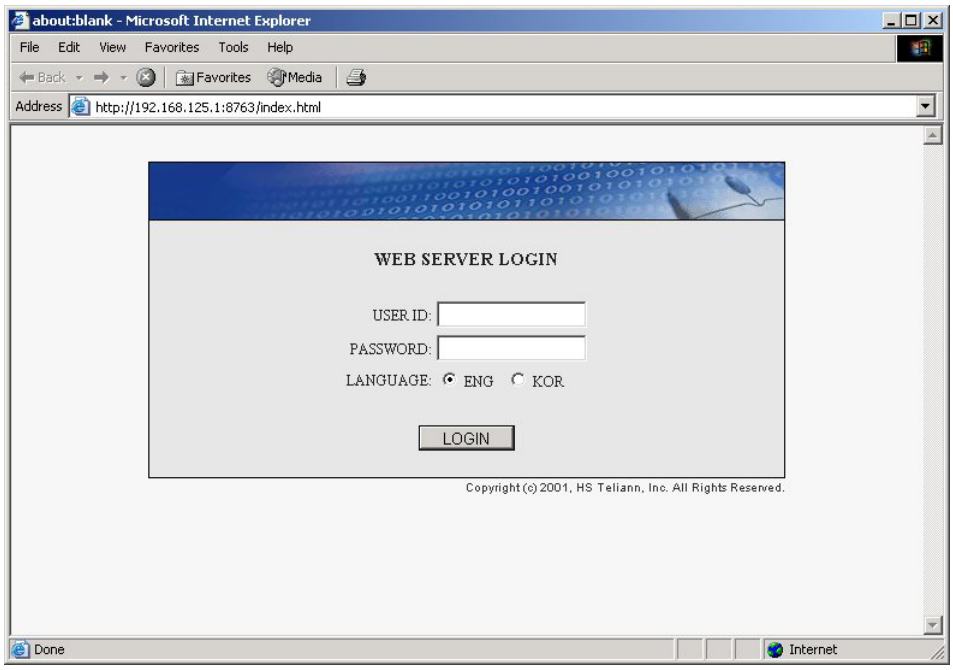
2) Click on the Start Direct Upgrade button and after the completion of the upgrade process, the following upgrade result screen and system information screen will appear.



3. MAC copy

This offers users the ability to copy the MAC number of the computer in use when using a DHCP or cable modem.



4. Logout

Click on the logout menu of the Main Page.