



Wireless Router User Guide

Software Version 3.14.40.7.2.1027

The HTML is using Unicode (UTF-8)

Chapter 1. Before you start to use the router.

Chapter 2. Beginning to use Router by Web GUI

Chapter 3. Operation in GUI

3-1. Home ITEM.

3-2. Quick Setup ITEM

3-3. Network Connections ITEM

3-4. Security ITEM

3-5. Web Filtering ITEM

3-6. Advanced ITEM

3-7. SYSTEM Monitoring ITEM

3-8. Logout ITEM

Warring Notice.

Chapter 1.

Before you start to use the router.

Check those texts on and part of Router to know how to use it.

Parts:

Power Adapter: AC input 100~240Volts, 1Amp. DC output 12V, 1.5A.

Plastic Base: For Router body stand purpose. Put it into router body fillister in the button side.

Antenna in the Router:

This antenna can be rotated 180 degree. From down side (line up to the case) to the up side by clock reversing rotation when you are looking it in back panel side.

Text:

POWER: DC Power socket, to be plug in from power adapter DC plug.

SW: Power switch.

RESET: Press one shot, the router will restart. Press and hold it more than 5 seconds, the router will return to default setting and restart.

WAN: For Ethernet external port.

LAN1~4: For Ethernet internal port.

USB1~2: For USB interface Printer or Flash disk, if you want to link to small Hard Driver Disk, you should use 2 port both in the same time. The limited current is 1.0A/5V. And the USB port version is 2.0.

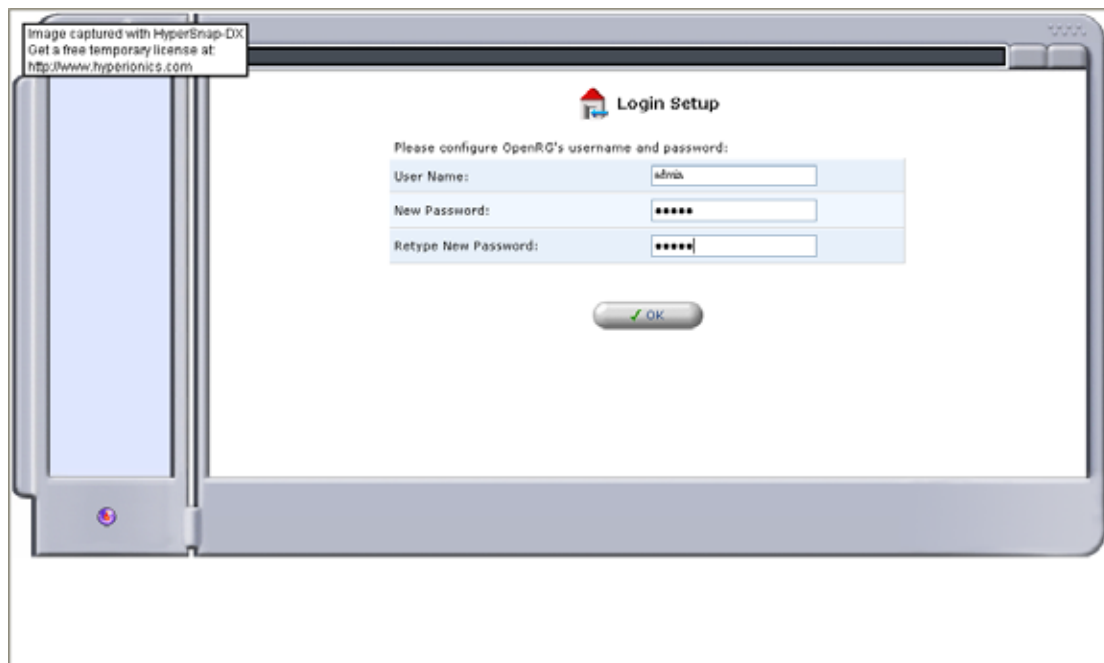
Operation sequence:

1. You need to plug the AC power adapter on AC power socket.
2. Take its DC plug into Router DC power socket. (“Power”)
3. Put the power switch (Text “SW”) from low to high position.
4. Then the router will spend a minute to start.
5. Power LED and WLAN LED will light until you turn off the power switch.
6. All LAN and WAN LED will blink once and then, starting to check each port, those LED blink one by one. After that, All LAN and WAN LED shall blink again, finally, it will light when port has Ethernet signal normal (it means you were put Ethernet cable into router and another side has Ethernet device live.)
7. If USB port has device insertion, also it will light.
8. Set your NIC (Network Interface Card) in PC, its IP to the this value:
IP: 192.168.0.1 , Mask: 255.255.255.0 , Gateway: 192.168.0.253
(The Router LAN IP is 192.168.0.253)
9. You can try to use Web Browser (Like as Microsoft IE or Mozilla Firefox) and type LAN IP which you defined (Default setting is 192.168.0.253) to address bar then press “Enter”.
10. The Web Browser will open the webpage a few seconds. If no, check your physical network condition and TCP/IP setting in your system to debug your connection. (or if you cannot access the Router, Please press Reset-button over than 5 seconds to restore default!
(Reset-button is posited between Power socket and LED))
- 11.

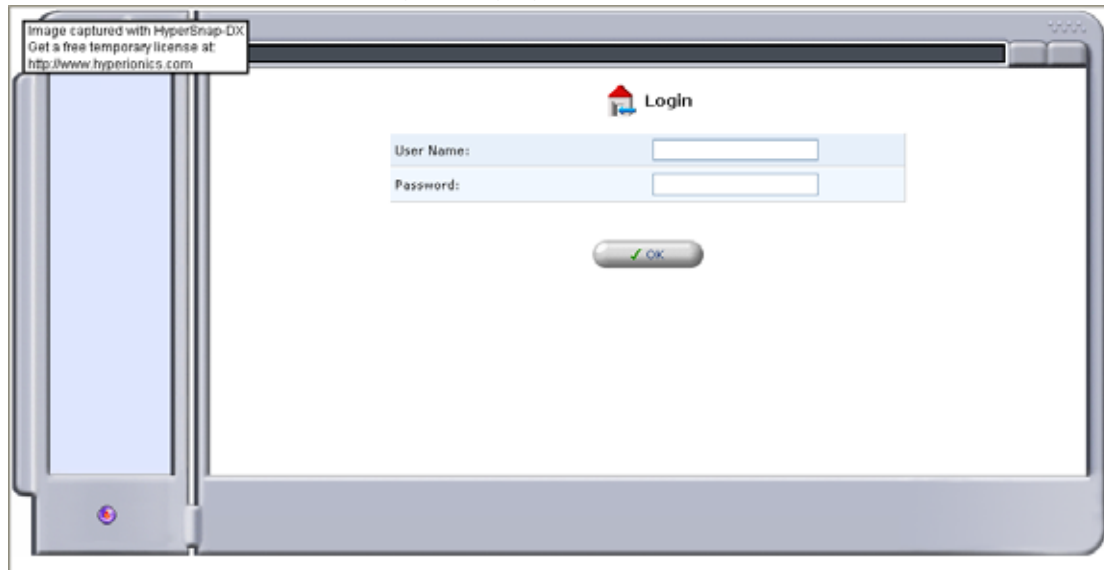
Chapter 2.

Beginning to use Router by Web GUI

When you are first time to login the router by web, you can see the page shows that username and password configuration.



Second times later, the Login page just shows username and password.



After login process, the page will show “Quick Setup”. The page (function) is like as ITEM “Quick Setup” in the Left frame.

This is a page guide you to set up the router easily. Select and Type which kind of you need or data input you want. Finally, press “Apply” to save your setting, Press “OK” to lunch it.

Image captured with HyperSnap-DX
Get a free temporary license at:
<http://www.hyperionics.com>

Quick Setup

Internet Connection

Connection Type:	Automatic IP Address Broadcast Connection
Name:	WAN Ethernet
Status:	Waiting for DHCP Lease
MAC Address:	00:11:a4:f1:0c

Wireless

SSID (Service Set Identifier is the name designated for a specific wireless network):

Web Filtering

☐ Enable Web Content Filtering

Administrator

OpenRG's Hostname:	OpenRG
E-Mail:	<input type="text"/>

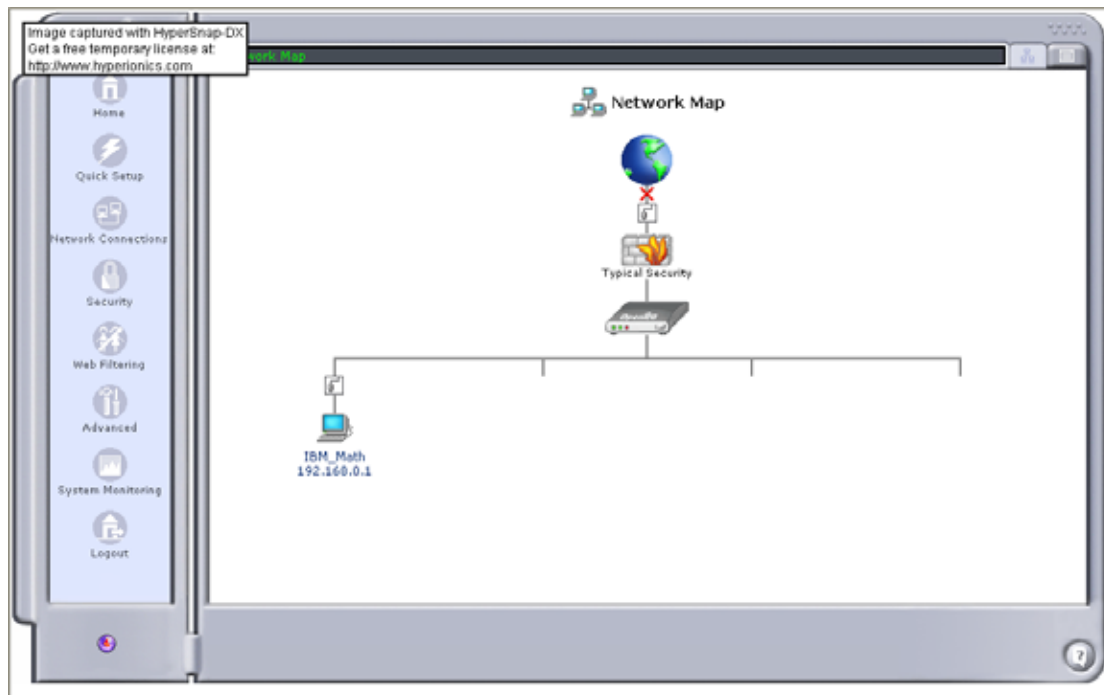
Press the **Refresh** button to update the status.

Chapter 3.

Operation in GUI

3-1. Home ITEM.

When you press the “Home” icon in the Left frame. The page will show “Network Map”, the physical link map in the Right frame.



Press the small icon to show “Network List View” by TEXT. (See the red circle and line like as graph shows.

The screenshot shows the same web interface as the previous one, but the main area is titled "Network List View". It displays a table of network information. A red arrow points to the small icon in the top right corner of the main area, which is circled in red, indicating the button to switch back to Network Map.

WAN			
WAN Ethernet			

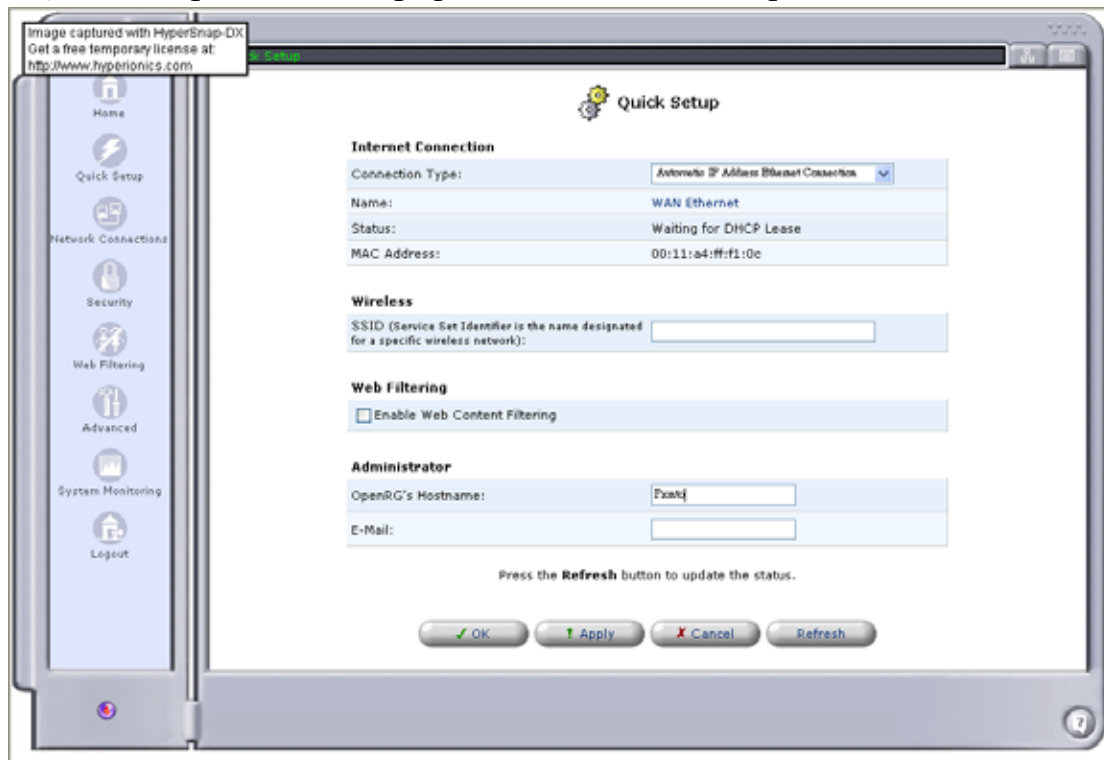
LAN			
IP Address	Host	Local Servers	Connection Name
192.168.0.1	IBM_Math	None	LAN Ethernet

File Server Disks			
Description	Type	Size	Shares

Print Server			
Name	Manufacturer	Model	Status

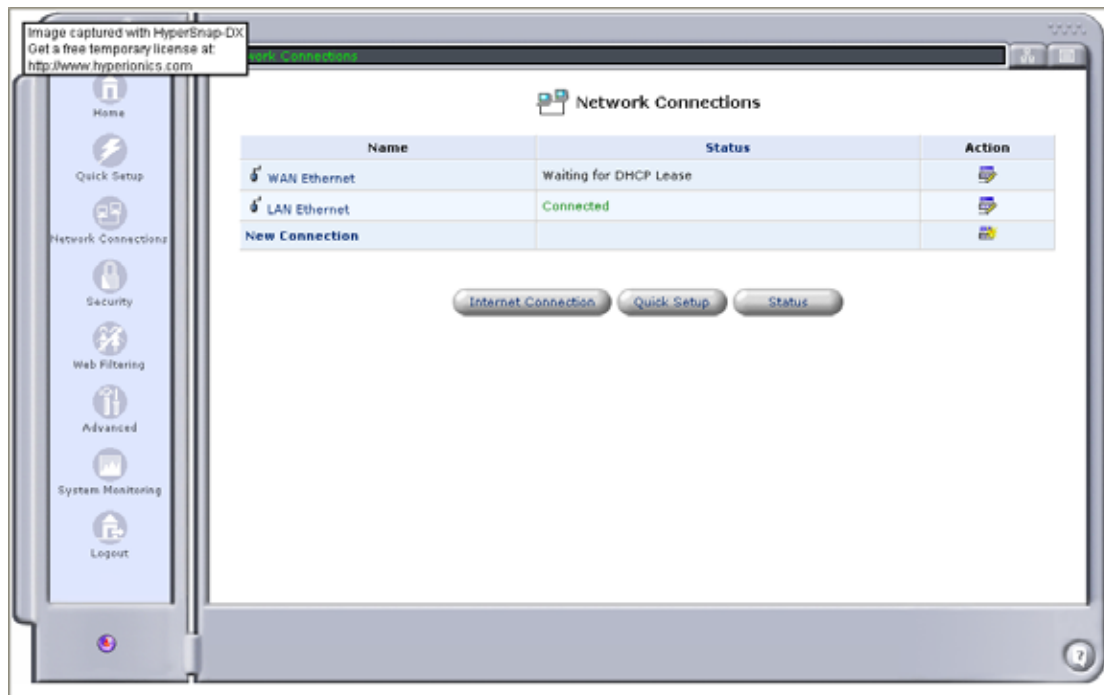
3-2. Quick Setup ITEM

“Quick Setup” is the first page we show in the Chapter 2.

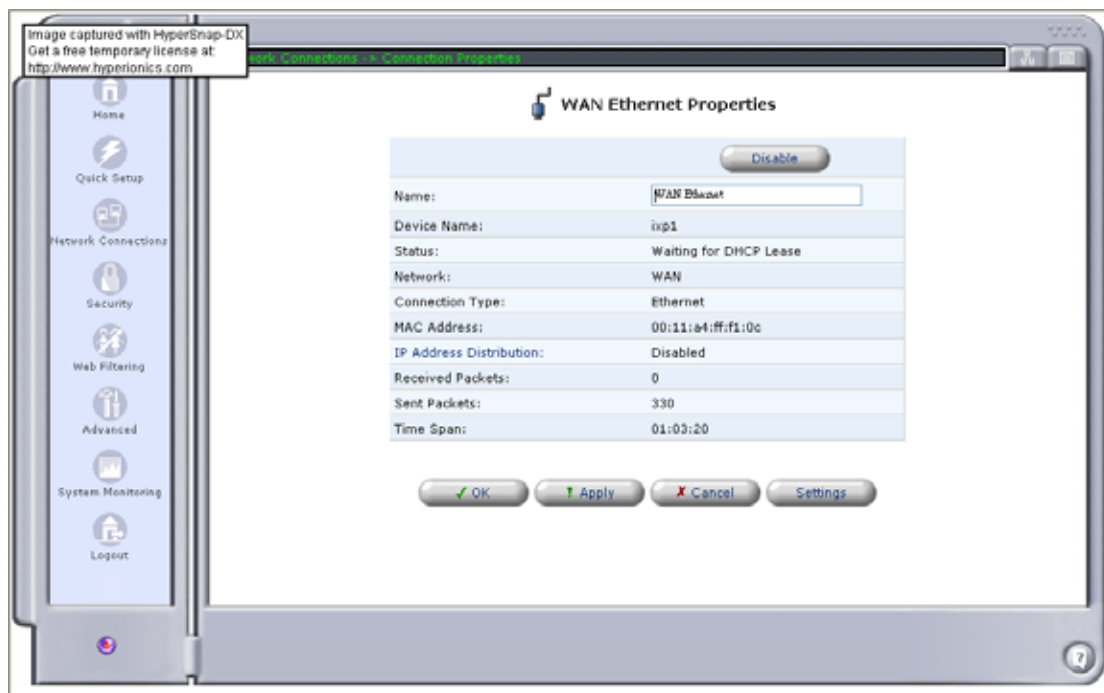


3-3. Network Connections ITEM

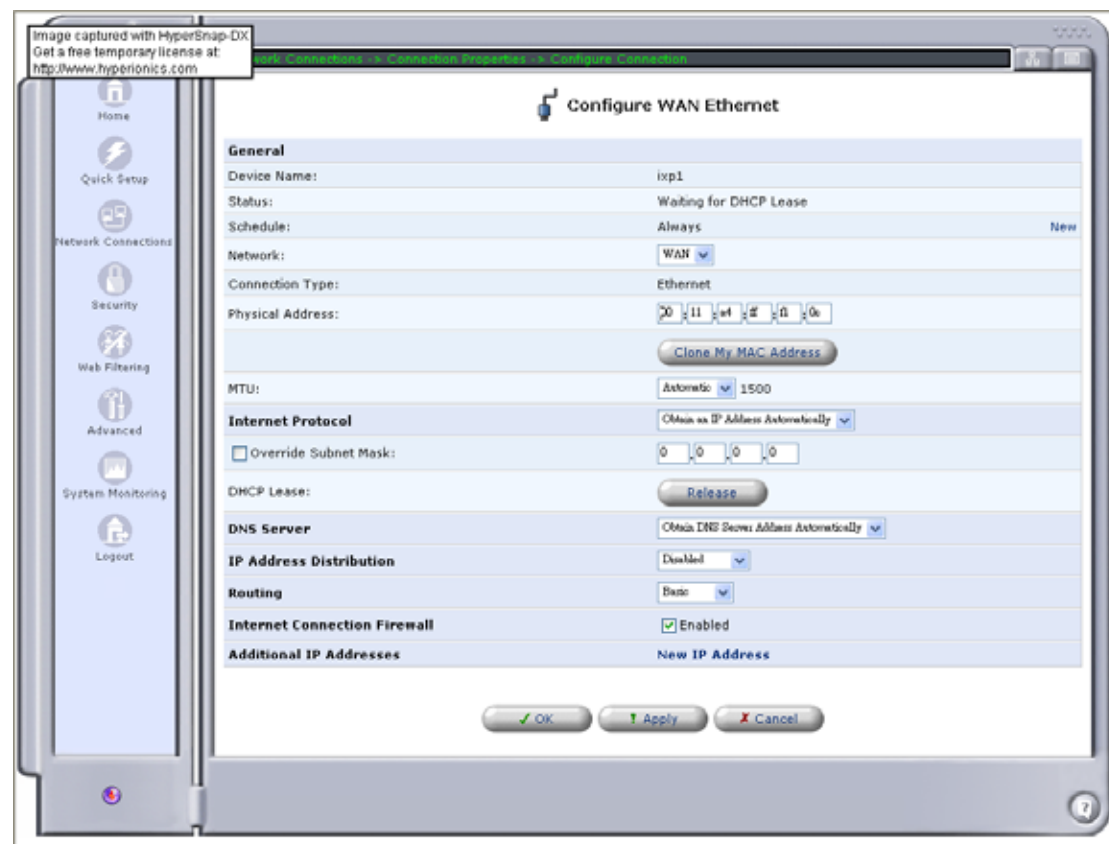
The page will show network interface and you can add new one in a new connection.



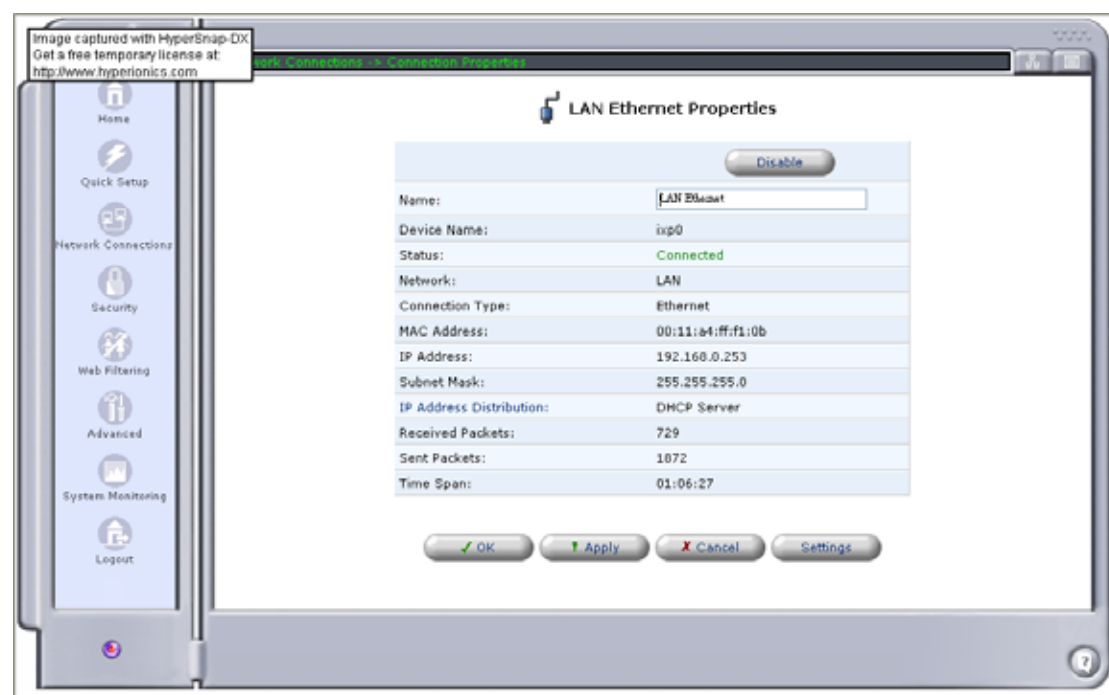
To check "WAN Ethernet properties", press which name in the field or "Action" in the same line end. It is general information of the connection interface. Or you can "Disable" it by the icon.



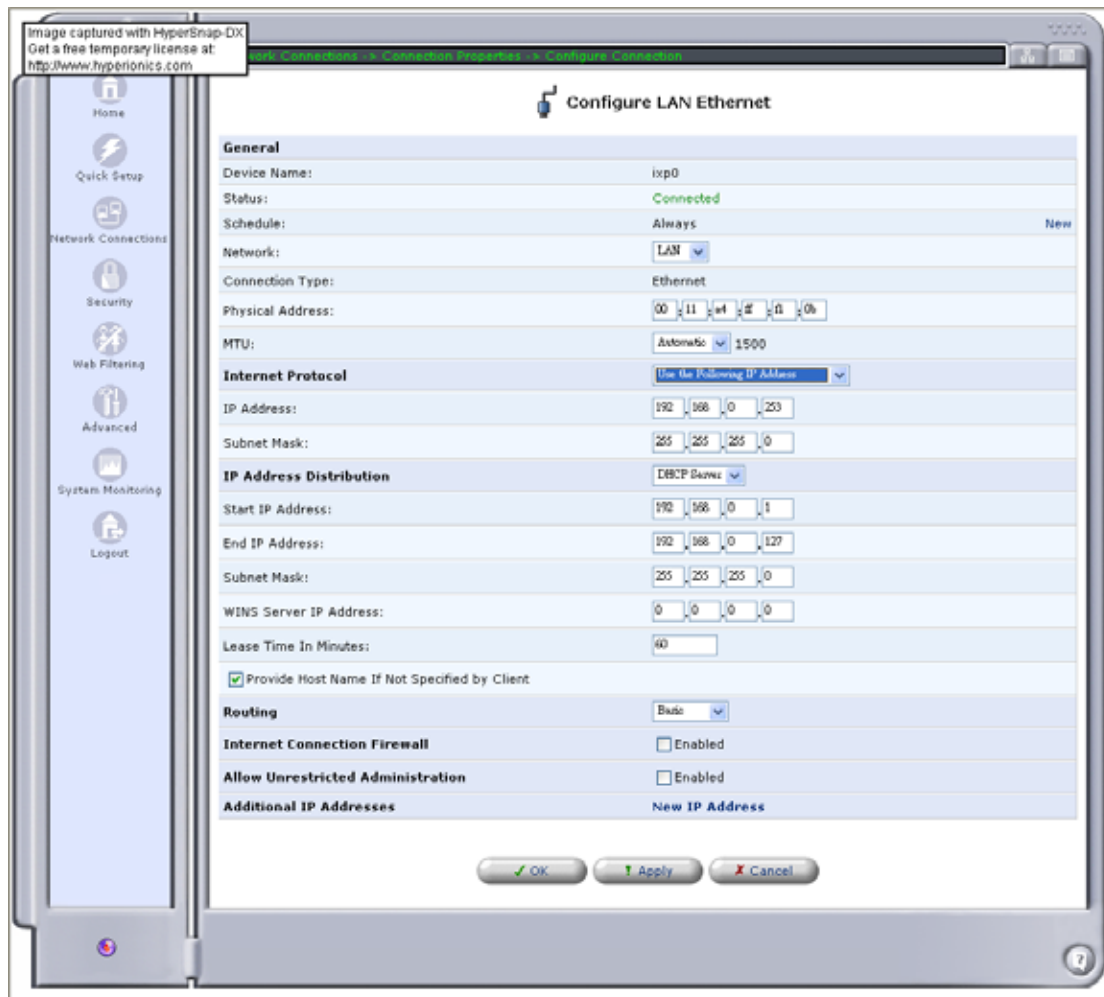
After press setting, you can see the detail setting webpage “Configure WAN Ethernet” to do configuration that you required.



Regarding “LAN Ethernet Properties”, those operations are the same as WAN’s. Or you can “Disable” it by the icon.(CAUTION: If this is only one LAN side connection interface, you will lose the LAN connection Until you restore to default this router.




After press setting, you can see the detail setting webpage “Configure LAN Ethernet” to do configuration that you required.



Wireless Connection:

To set up wireless configuration, to select Underlying Device: “LAN Wireless 802.11g Access Point”


 LAN Bridge Properties

[Disable](#)

Name:	LAN Bridge
Device Name:	br0
Status:	Connected
Network:	LAN
Underlying Device:	LAN Ethernet LAN Wireless 802.11g Access Point
Connection Type:	Bridge
MAC Address:	24:21:67:6b:07:e2
IP Address:	192.168.1.1
Subnet Mask:	255.255.255.0
IP Address Distribution:	DHCP Server
Received Packets:	381
Sent Packets:	573

[OK](#) [Apply](#) [Cancel](#) [Settings](#)

Then the “LAN Wireless 802.11g Access Point Properties” will shows that. Operate it like as LAN’s.

 LAN Wireless 802.11g Access Point Properties

[Disable](#)

Name:	LAN Wireless 802.11g Access Point
Device Name:	ra0
Status:	Connected
Network:	LAN
Connection Type:	Wireless 802.11g Access Point
MAC Address:	00:0f:ea:77:94:7e
IP Address Distribution:	Disabled
Received Packets:	3
Sent Packets:	193

[OK](#) [Apply](#) [Cancel](#) [Settings](#)

After press setting, you can see the detail setting webpage “Configure LAN Wireless 802.11g Access Point” to do configuration that you required.

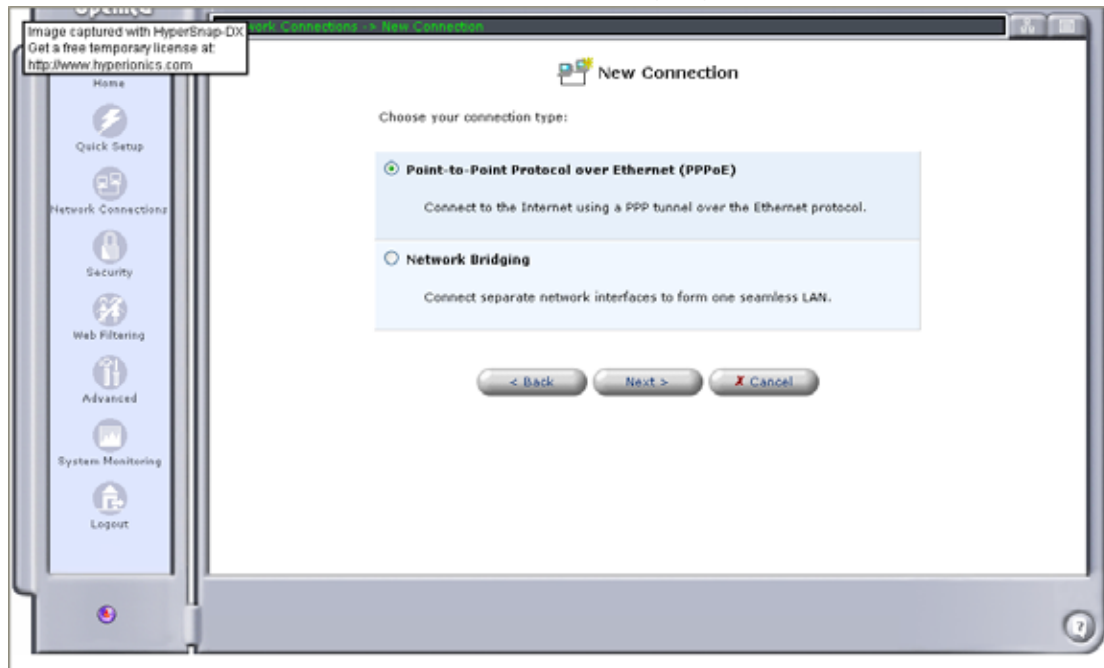


Configure LAN Wireless 802.11g Access Point

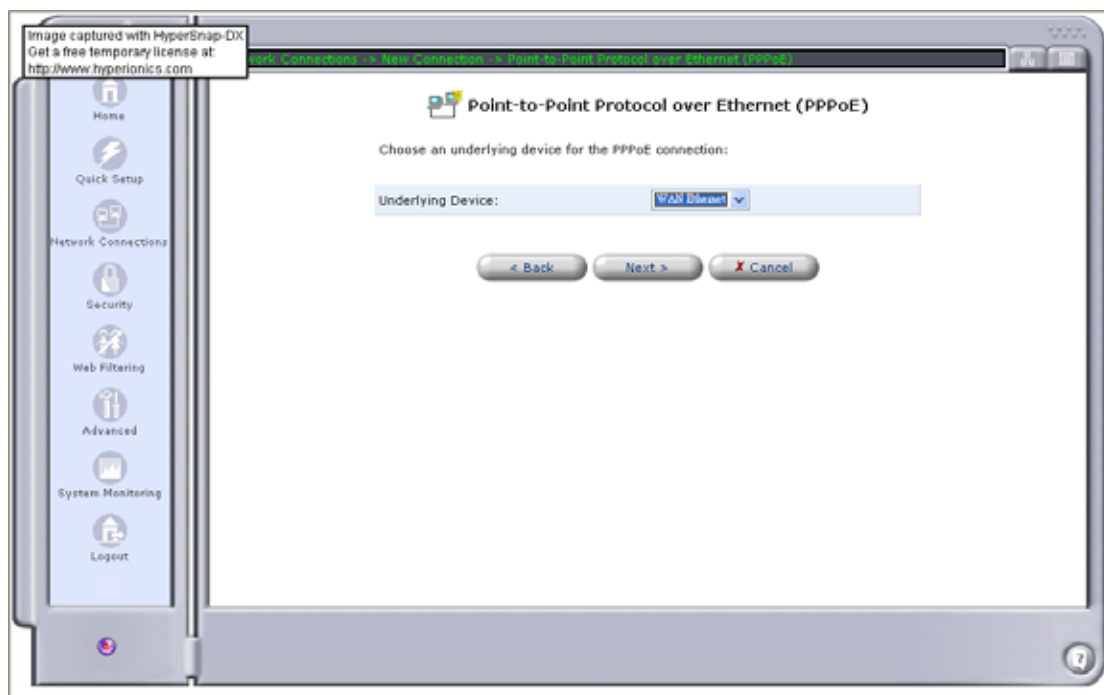
General	
Device Name:	ra0
Status:	Connected
Schedule:	Always
Network:	LAN
Connection Type:	Wireless 802.11g Access Point
Physical Address:	00:0f:ea:77:94:7e
MTU:	Automatic 1500
Wireless Access Point	
SSID (Service Set Identifier is the name designated for a specific wireless network):	WLAN
802.11 Mode:	Mixed
Channel:	11 - 2.462GHz
Network Authentication:	Open System Authentication
Advanced Wireless Options	
Basic Rate:	Auto
CTS Protection Mode:	Auto
Tx Preamble:	Long
Beacon Interval:	100 ms
DTIM Interval:	1 ms
Fragmentation Threshold:	2346
RTS Threshold:	2346
Turbo Rate:	<input type="checkbox"/> Enabled
Hide SSID:	<input type="checkbox"/> Enabled
Tx Power:	80
Wireless Encryption	<input type="checkbox"/> Enabled
Internet Protocol	No IP Address
Internet Connection Firewall	<input type="checkbox"/> Enabled
Additional IP Addresses	New IP Address

New connection:

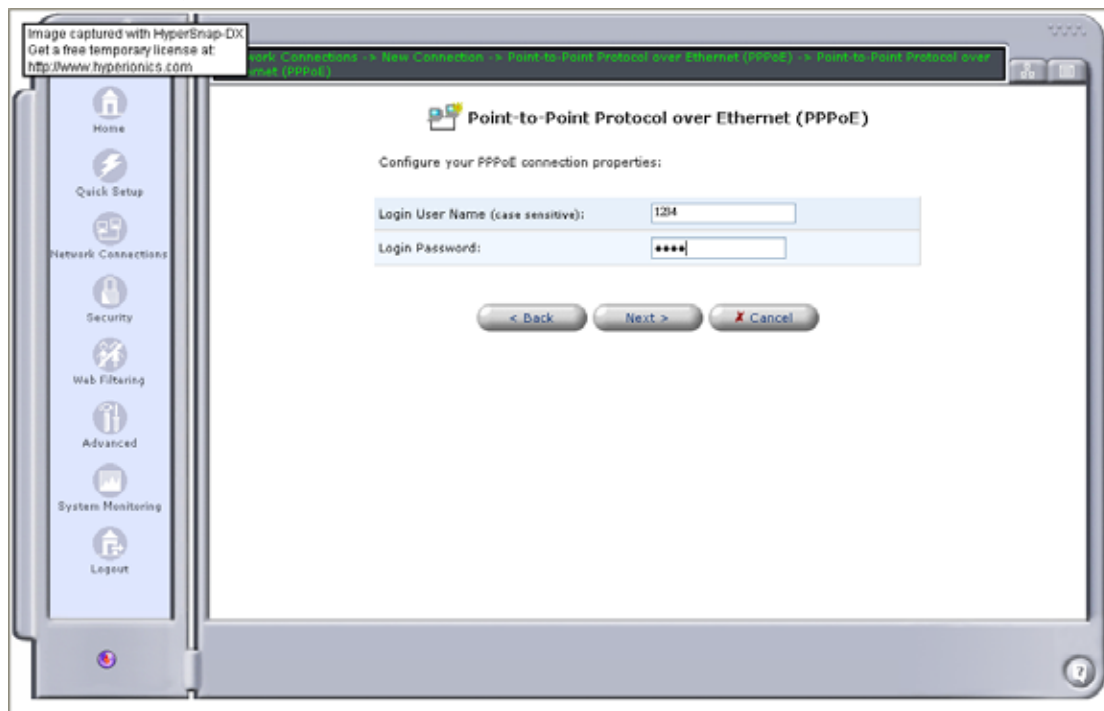
If you want to add new connection in the router, to where page (3-3. ITEM “Network Connections”) the press it. First, you shall set the connection type is PPPoE or Network Bridging.



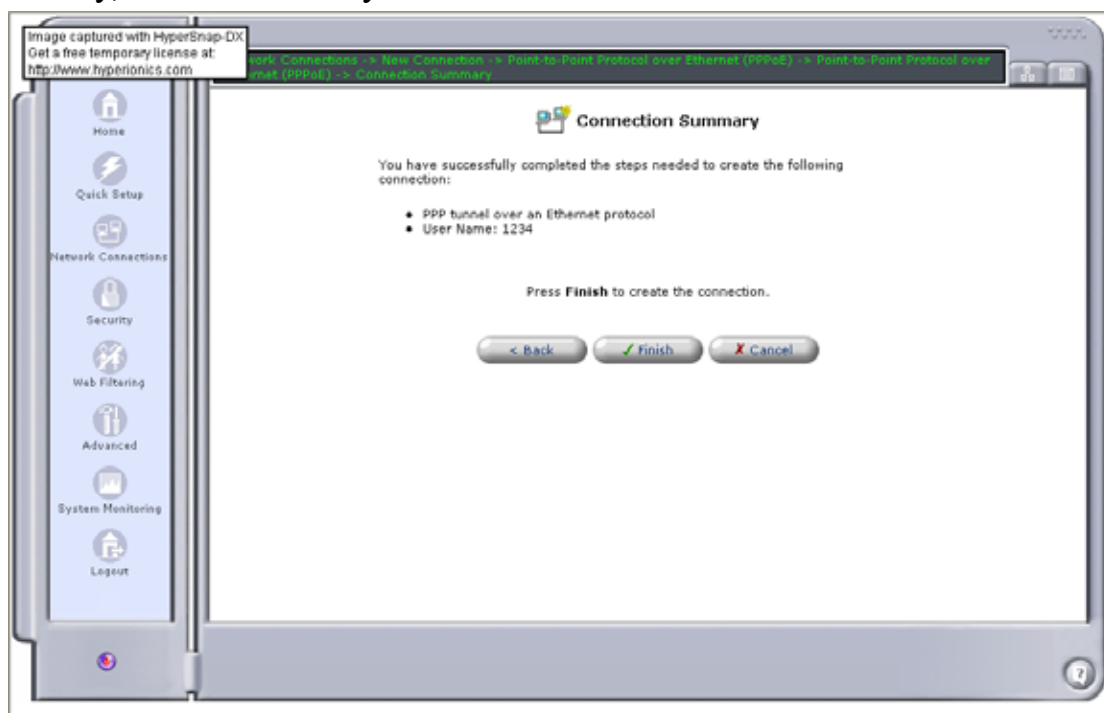
To continue PPPoE set process, select the underlying device you define.



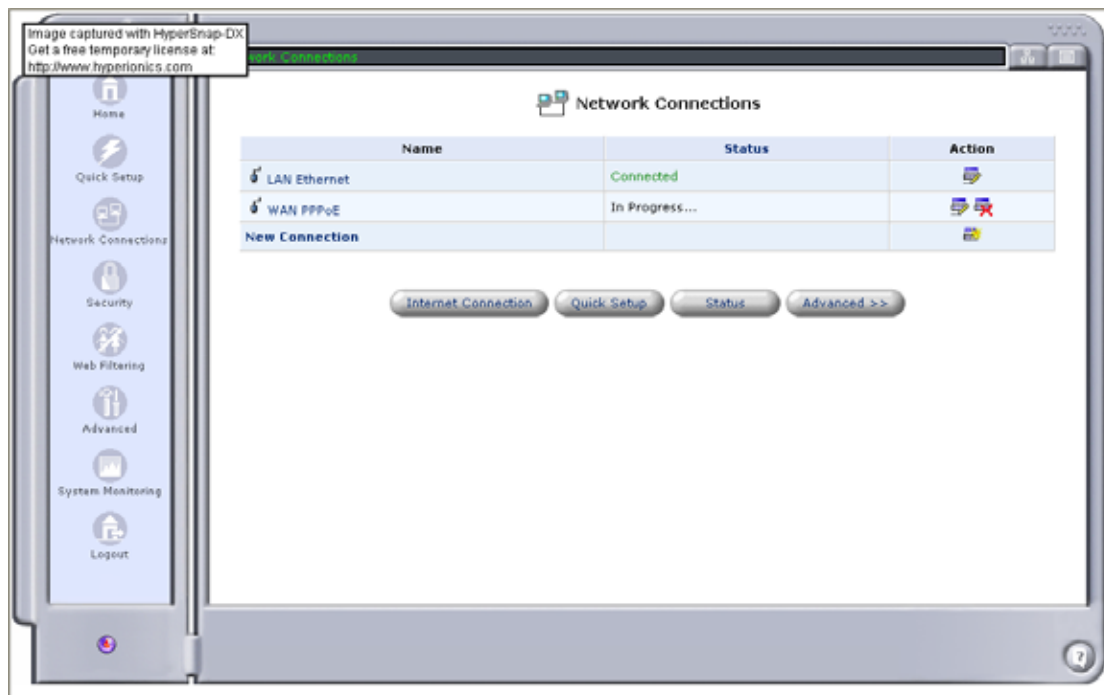
Then input your account username and password.



Finally, it will summary connection.

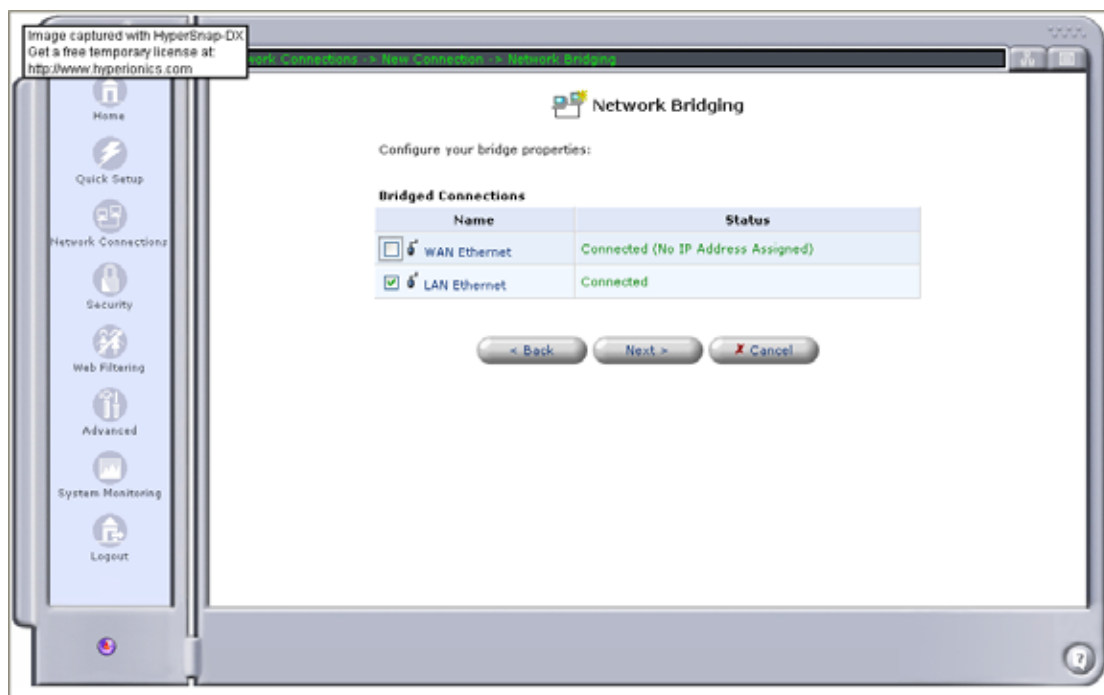


Check the “Network Connection” page, you can see the PPPoE was set in it and in progress.

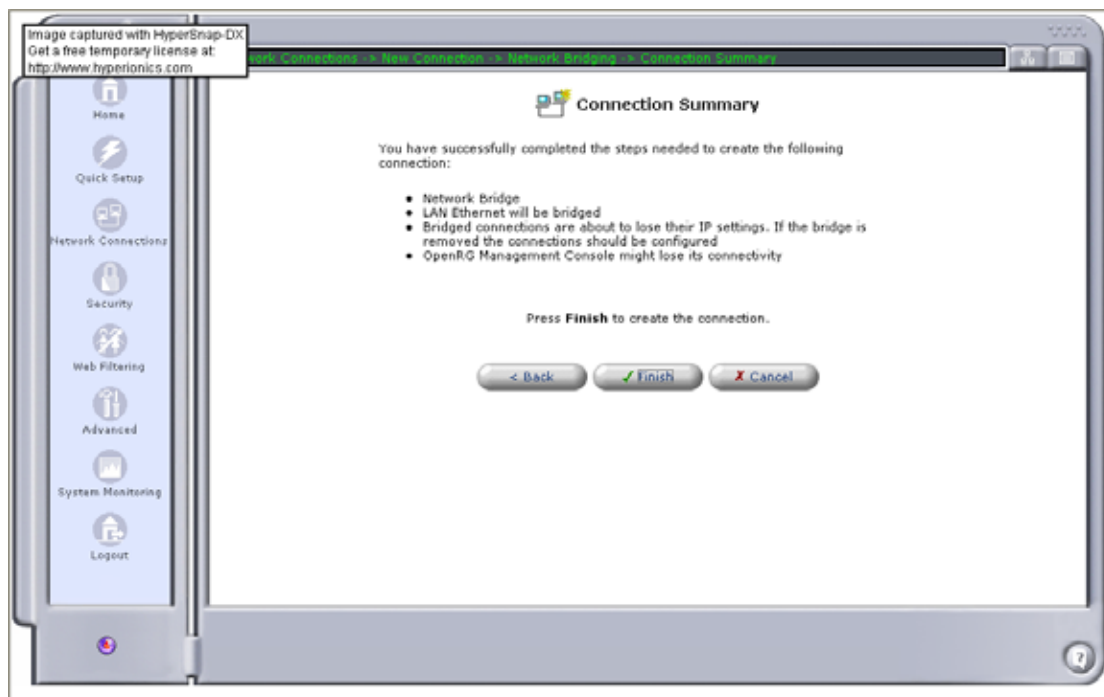


Network Bridging:

Choose one for Bridged Connections, then press “Next”

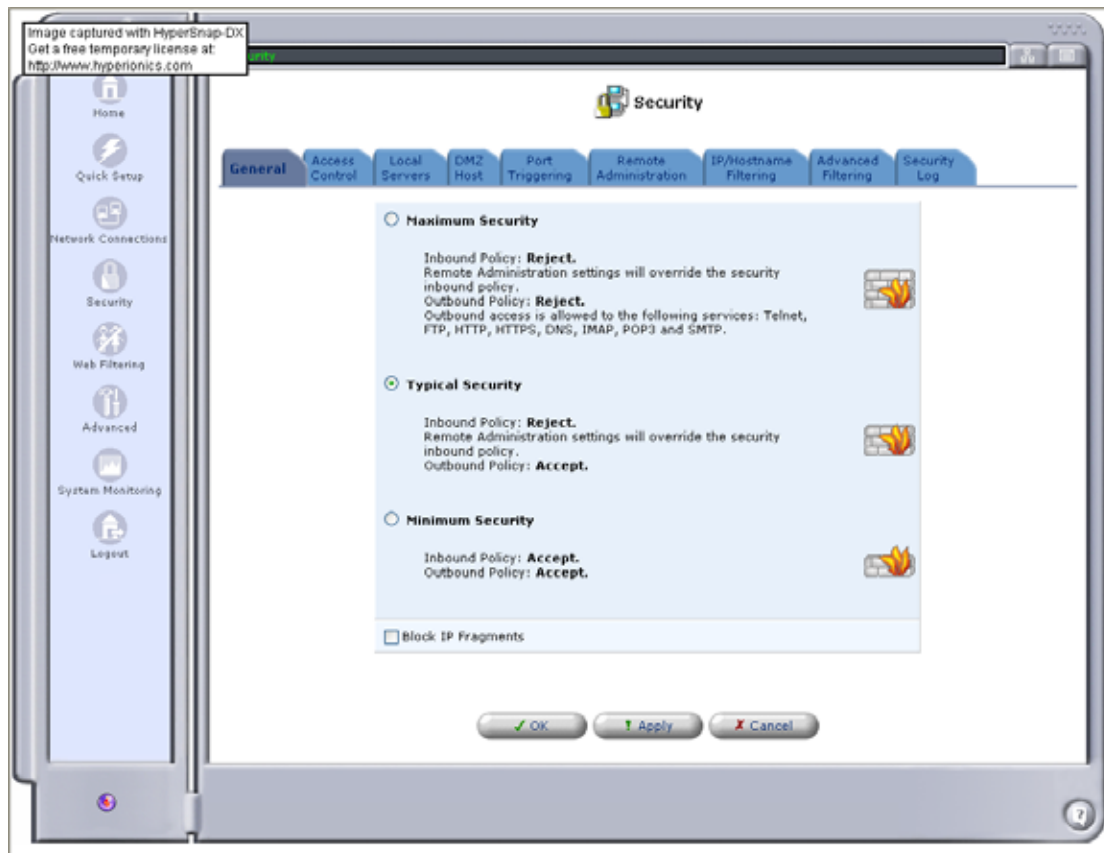


The Bridge is created like as Summary.

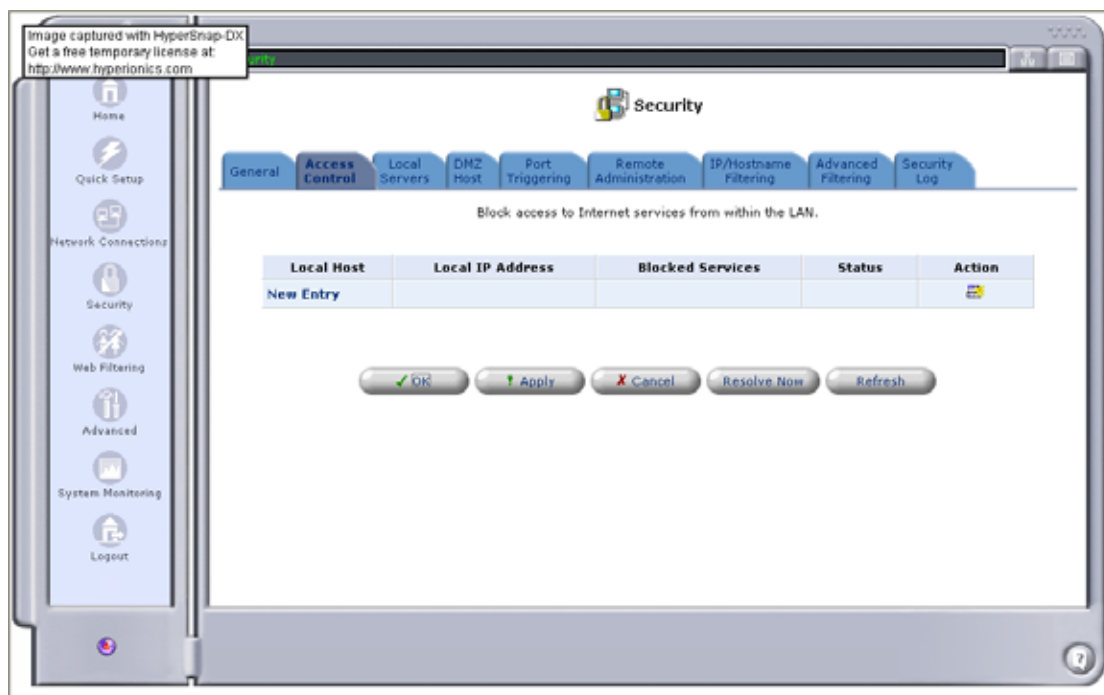


3-4. Security ITEM

General



Access control



Add Access Control Rule.

Image captured with HyperSnap-DX
Get a free temporary license at:
<http://www.hyperionics.com>

Home
Quick Setup
Network Connections
Security
Web Filtering
Advanced
System Monitoring
Logout

Add Access Control Rule

Applied To: Entire LAN New
Schedule: Always New

Blocked Service Name	Protocols And Ports	Action
User-Defined Services		
New User-Defined Service		
Basic Web Utilities		
<input type="checkbox"/> All Traffic	Protocol Any	
<input type="checkbox"/> DNS - Domain Name Server	TCP 53 -> 53 1024-65535 -> 53 UDP 53 -> 53 1024-65535 -> 53	
<input type="checkbox"/> FTP - File Transfer	TCP Any -> 21	
<input type="checkbox"/> HTTP - Web Server	TCP Any -> 80	
<input type="checkbox"/> HTTP Secondary - Secondary Web Server	TCP Any -> 8080	
<input type="checkbox"/> HTTPS - Secured Web Server	TCP Any -> 443	
<input type="checkbox"/> HTTPS Secondary - Secondary Secured Web Server	TCP Any -> 8443	
<input type="checkbox"/> TFTP - Trivial File Transfer Protocol	UDP 1024-65535 -> 69	
<input type="checkbox"/> IMAP - Messaging Server	TCP Any -> 143	
<input type="checkbox"/> NNTP - News Server	TCP Any -> 119	
<input type="checkbox"/> Ping - ICMP Echo Request	ICMP Echo Request	
<input type="checkbox"/> POP3 - Incoming Mail	TCP Any -> 110	
<input type="checkbox"/> SNMP - Simple Network Management Protocol	UDP Any -> 161	
<input type="checkbox"/> SMTP - Outgoing Mail	TCP Any -> 25	
<input type="checkbox"/> TELNET - Remote Connection	TCP Any -> 23	
<input type="checkbox"/> TELNET Secondary - Secondary Remote Connection	TCP Any -> 8023	
<input type="checkbox"/> TELNETSSL - Secure Remote Connection over SSL	TCP Any -> 992	
<input type="checkbox"/> RTSP - Real Time Streaming Protocol	TCP Any -> 554 Any -> 7070 UDP Any -> 554 Any -> 7070	
<input type="checkbox"/> HTTP WEB ACCESS - Web access by HTTP/HTTP proxy	TCP Any -> 3127-3128 Any -> 80-81 Any -> 8080 Any -> 8000 Any -> 8888	
<input type="checkbox"/> DNS ALG - UDP Domain Name Server	UDP Any -> 53	
<input type="checkbox"/> DHCP ALG - Dynamic Host Configuration Protocol + Relay	UDP 67-68 -> 67	
<input type="checkbox"/> Remote Management - Remote Management Server	TCP Any -> 7020	
<input type="checkbox"/> Remote Management SSL - Secure Remote Management Server	TCP Any -> 7021	
Virtual Private Networking		
<input type="checkbox"/> PPTP - Point-to-Point Tunneling Protocol	TCP Any -> 1723 GRE	
<input type="checkbox"/> IPSec - Internet Protocol Security	UDP 500 -> 500 ESP AH	
<input type="checkbox"/> L2TP - Layer Two Tunneling Protocol	UDP Any -> 1701	
<input type="checkbox"/> IKE - Internet Key Exchange	UDP 500 -> 500	
Instant Messaging Applications		
<input type="checkbox"/> AIM V3.0	TCP Any -> 5190	
<input type="checkbox"/> MSN Messenger	TCP Any -> 1863	
<input type="checkbox"/> Hotline Server	TCP Any -> 5500	
File Sharing Utilities		
<input type="checkbox"/> Gnutella Server	TCP Any -> 6346	
<input type="checkbox"/> KaZaA	TCP Any -> 1214	
Chat and VoIP Applications		
<input type="checkbox"/> SIP	UDP Any -> 5060	
<input type="checkbox"/> CU-SeeMe	TCP Any -> 7648-7649 Any -> 1720 UDP Any -> 7648-7649 Any -> 24032 Any -> 56000	
<input type="checkbox"/> CU II Version 3	TCP Any -> 2000-2010 Any -> 1015 Any -> 2069	
<input type="checkbox"/> DialPad.Com	TCP Any -> 51210 UDP Any -> 51200-51201	

<input type="checkbox"/> EGN V2.0+	TCP Any -> 5000-6000	
<input type="checkbox"/> Freetel	UDP Any -> 21300-21303	
<input type="checkbox"/> IDT Net2Phone	UDP Any -> 6613	
<input type="checkbox"/> iPhone, iPhone 4.x:Addressing Server	TCP Any -> 25793-25804 Any -> 1490-1501 Any -> 6670 UDP Any -> 22555-22566	
<input type="checkbox"/> Iris Phone 2.5	TCP Any -> 4969-4970 UDP Any -> 4969-4970	
<input type="checkbox"/> iVisit	UDP Any -> 9943 Any -> 9945 Any -> 56768	
<input type="checkbox"/> Net2Phone	TCP Any -> 20000 UDP Any -> 20000	
<input type="checkbox"/> PowWow	TCP Any -> 13223 Any -> 23213 UDP Any -> 13223	
<input type="checkbox"/> Scour Media	TCP Any -> 139	
<input type="checkbox"/> Speak Freely	UDP Any -> 2074-2075	
<input type="checkbox"/> Talkd - Unix Talk Daemon	UDP Any -> 517-518	
<input type="checkbox"/> VoxChat	TCP Any -> 15000-15025 UDP Any -> 15000-15025	
<input type="checkbox"/> VoxPhone	TCP Any -> 12380 UDP Any -> 12380	
<input type="checkbox"/> WebPhone	TCP Any -> 21845 UDP Any -> 21845	
<input type="checkbox"/> Webcam (TrueTech)	TCP Any -> 2047	
<input type="checkbox"/> Webcam32	TCP Any -> 81	
<input type="checkbox"/> H.323 Call Signaling - Netmeeting, chphone...	TCP Any -> 1720	
<input type="checkbox"/> H.323 RAS - Gatekeeper Communication for H.323 Applications (Netmeeting, chphone...)	UDP Any -> 1719	
Gaming Consoles		
<input type="checkbox"/> Xbox	TCP Any -> 3074 UDP Any -> 88 Any -> 3074	
<input type="checkbox"/> Play-Station2	TCP Any -> 10070-10080 UDP Any -> 10070	
Games		
<input type="checkbox"/> Alien vs. Predator	TCP Any -> 2300-4000 Any -> 7000-10000 UDP Any -> 2300-4000 Any -> 7000-10000	
<input type="checkbox"/> CivNet	TCP Any -> 1942	
<input type="checkbox"/> DirectX Games - Battlezone, Battlefield Communicator, Age of Wonders, Allegiance, Alpha Centauri, MechWarrior 3, Midtown Madness, MotoCross Madness	TCP Any -> 47624-47625 Any -> 2300-2400 Any -> 28800-28912 UDP Any -> 47624-47625 Any -> 2300-2400	
<input type="checkbox"/> Dark Reign	UDP Any -> 21154-21157	
<input type="checkbox"/> Decent 3	TCP Any -> 7170 UDP Any -> 2092 Any -> 3445	
<input type="checkbox"/> Decent Freespace	TCP Any -> 3999 UDP Any -> 4000 Any -> 7000 Any -> 3493 Any -> 3440	
<input type="checkbox"/> Delta Force	UDP Any -> 3560-3569	
<input type="checkbox"/> Diablo, StarCraft(Battle.net)	TCP Any -> 6112 Any -> 116-118 UDP Any -> 6112	
<input type="checkbox"/> Drakan	UDP Any -> 27045-27047 Any -> 27055-27067	
<input type="checkbox"/> F16 MRF (Novologic)	UDP Any -> 1039-8629	
<input type="checkbox"/> F22 Raptor (Novologic)	UDP Any -> 3874	
<input type="checkbox"/> Falcon 4.0	UDP Any -> 2934-2935	
<input type="checkbox"/> Fighter Ace Beta	UDP Any -> 9001	
<input type="checkbox"/> Flight Sim 98	TCP Any -> 1000-3000 Any -> 61000-65000 Any -> 28800-28803 UDP Any -> 1000-3000 Any -> 61000-65000 Any -> 28800-28803 Any -> 3782	
<input type="checkbox"/> Heat.net - Mplayer Games Network, Rainbow Six-Internet	TCP Any -> 8000-8999 UDP Any -> 1398 Any -> 5500-5600 Any -> 8000-9000	