

DI-804 Web Configuration - Microsoft Internet Explorer

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Address http://192.168.0.1

D-Link

Basic Setup - Internet Settings

It is highly recommended that you use the Setup Wizard for a first time installation. Otherwise if the Setup Wizard does not successfully configure your DI-804, fill in the appropriate fields at right that describe your Internet connection.

MAC Address
Some Cable providers require your MAC address to ensure authentication. If all other settings are verified as correct and you still cannot access the Internet contact your Cable company and inform them of the MAC address listed at the right.

For additional settings information we recommend that you read the manual.

To customize local configuration settings press the Next button at the bottom of the page to the right.

Cable/DSL Residential Gateway **DI-804**

Basic Setup - Internet Settings

Computer Name

Domain Name

☒ **Dynamic IP**

☒ Default MAC Address

☐ Specify a MAC Address

MAC Address: : : : : :

☐ BPA Login

User Name

Password

☐ **Static IP**

IP Address . . .

Subnet Mask . . .

Gateway . . .

☐ **PPPoE**

☐ **PPTP**

User Name

Password

Following settings are only for PPTP mode

PPTP Server IP . . .

WAN IP Settings

Internet

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For additional settings information we recommend that you read the manual.

To customize local configuration settings press the Next button at the bottom of the page to the right.

☐ BPA Login

User Name

Password

☐ **Static IP**

IP Address . . .

Subnet Mask . . .

Gateway . . .

☐ **PPPoE**

☐ **PPTP**

User Name

Password

Following settings are only for PPTP mode

PPTP Server IP . . .

WAN IP Settings

☒ Obtain an IP address automatically

☐ Specify an IP address

WAN IP . . .

Subnet Mask . . .

☐ **Dynamic DNS**

☒ **Static DNS**

DNS 1 . . .

DNS 2 . . .

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Internet

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Basic Setup - Internet Settings

It is highly recommended that you use the Setup Wizard for a first time installation.

By default the DI-804 acts as a DHCP server. With this feature enabled, local machines need only be set to "Obtain IP Address Automatically". If you prefer to use another DHCP already resident on your LAN, you can adjust the settings at right to configure the DI-804 for use on your network.

For additional settings information we recommend that you read the manual.

DI-804

Cable/DSL Residential Gateway

Basic Setup - Local Network Settings

LAN MAC Address : 00-05-5D-EF-F6-28

DHCP Setup

☒ Enable Server
 ☐ Disable Server
 ☐ Relay Agent

Starting IP Address: 192 . 168 . 0 . 100

Number of IP Addresses: 100

DHCP Server IP Address for Relay Agent:

DI-804 Local Port

Local IP Address: 192 . 168 . 0 . 1

Subnet Mask: 255 . 255 . 255 . 0

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Basic Setup - Specific Application Support

Some applications require that ports are opened in the firewall of the DI-804. At the right is a list of common applications that require ports to be opened to function properly. Please note that these ports will be redirected only to the machine you are using to configure the unit right now. Please also note that most of these applications will only work on a single machine behind a firewall at one time. The common port(s) for the application will be opened.

Go to [Open Ports](#) if you wish to allow other applications not listed here to be accessed from the Internet or if you wish to redirect ports to other computers on your network.

Open ports are a security risk. Only open ports for applications that you use regularly. Do not open unnecessary ports.

DI-804

Cable/DSL Residential Gateway

Basic Setup - Specific Application Support

Communications
☐ Netmeeting
☐ ICQ
☐ mIRC
☐ PPTP VPN Client

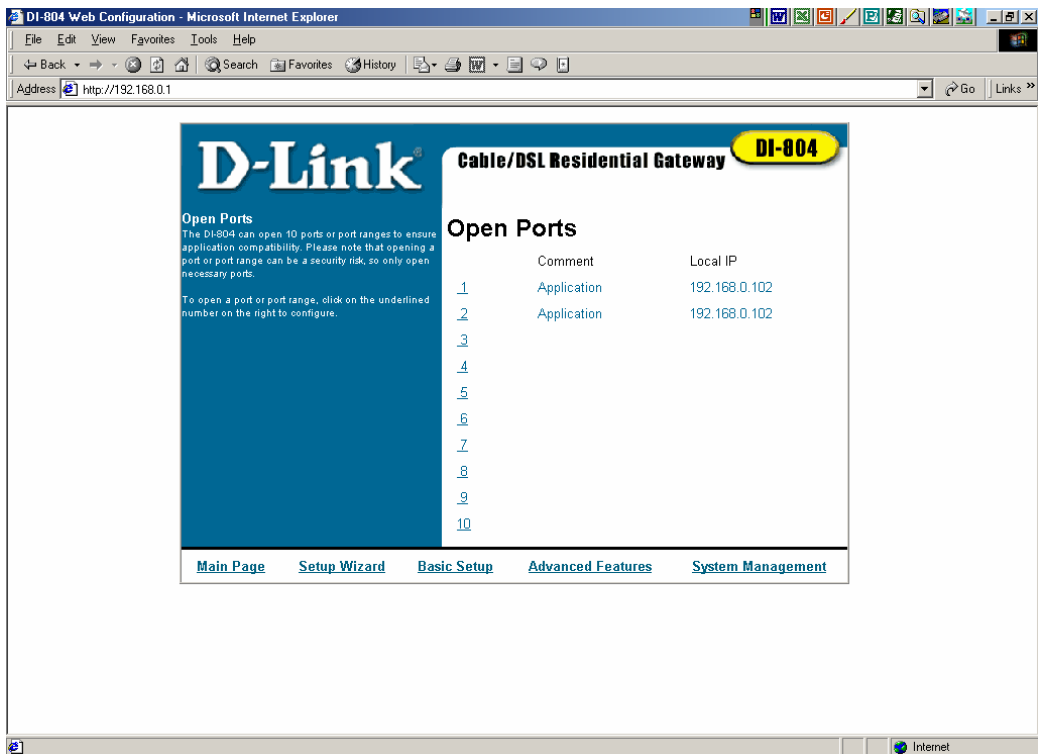
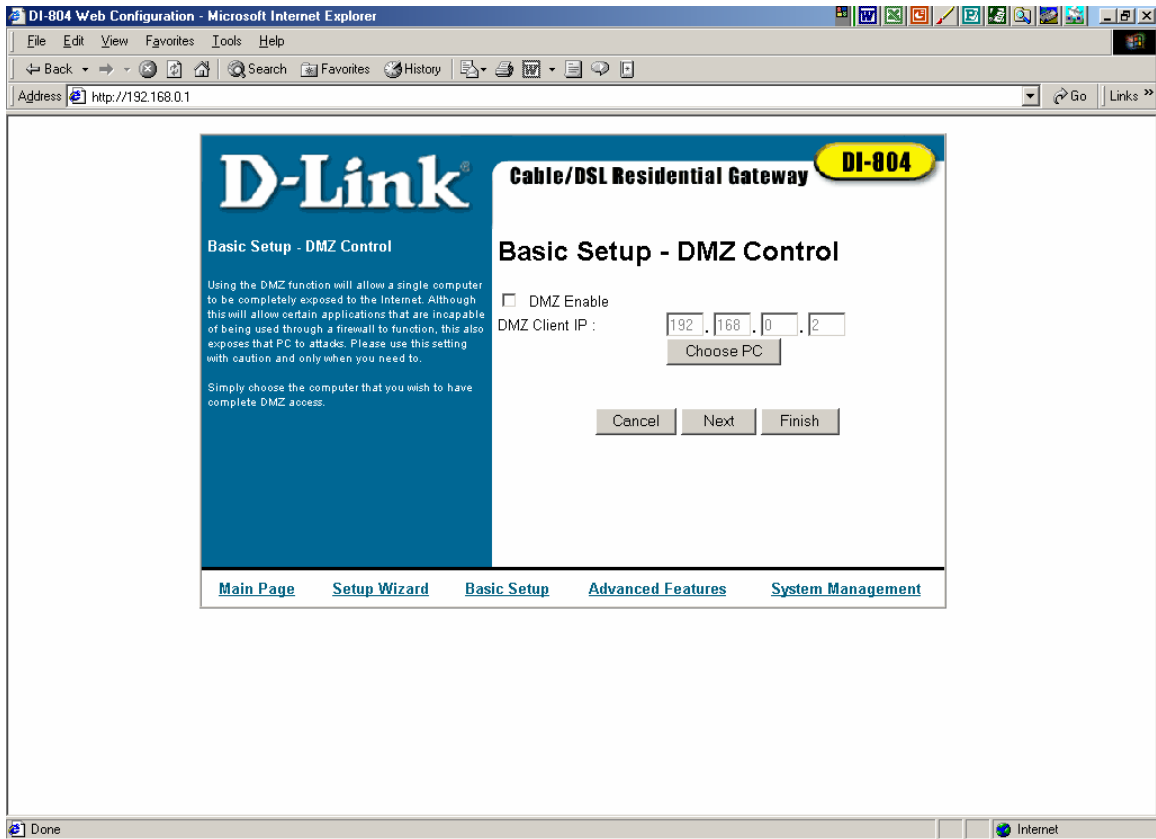
Miscellaneous
☒ Napster
☐ Gnutella

Games
☐ Battlenet - Warcraft, Starcraft, Diablo, Diablo II
☐ Age of Empires
☐ Quake
☐ Tribes
☐ Unreal Tournament

Server Applications (Only select if you are running a server)
☐ HTTP Server
☐ FTP Server
☐ Terminal Services
☐ PPTP Server

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Open Ports - Configuration

Index No. 2

☒ Enable Open Ports

Comment

Local Computer

	Protocol	Start Port	End Port		Protocol	Start Port	End Port
1.	—	0	0	6.	—	0	0
2.	—	0	0	7.	TCP	8875	8875
3.	—	0	0	8.	TCP	6699	6699
4.	—	0	0	9.	—	0	0
5.	—	0	0	10.	—	0	0

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Open Ports - Configuration

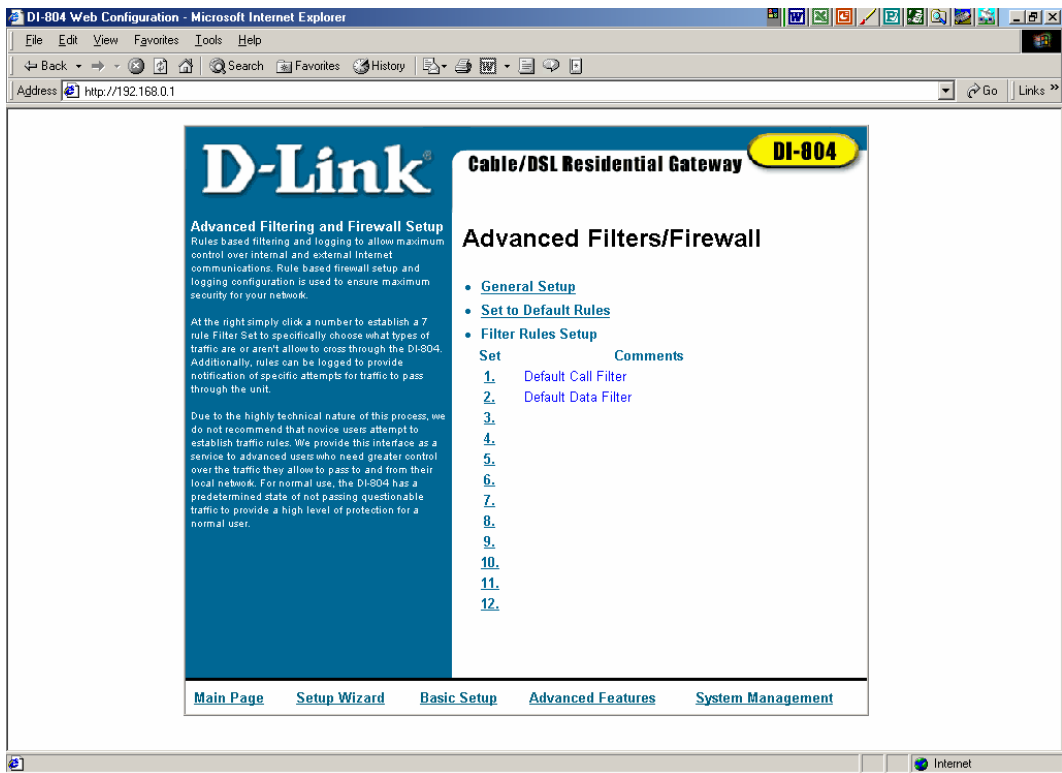
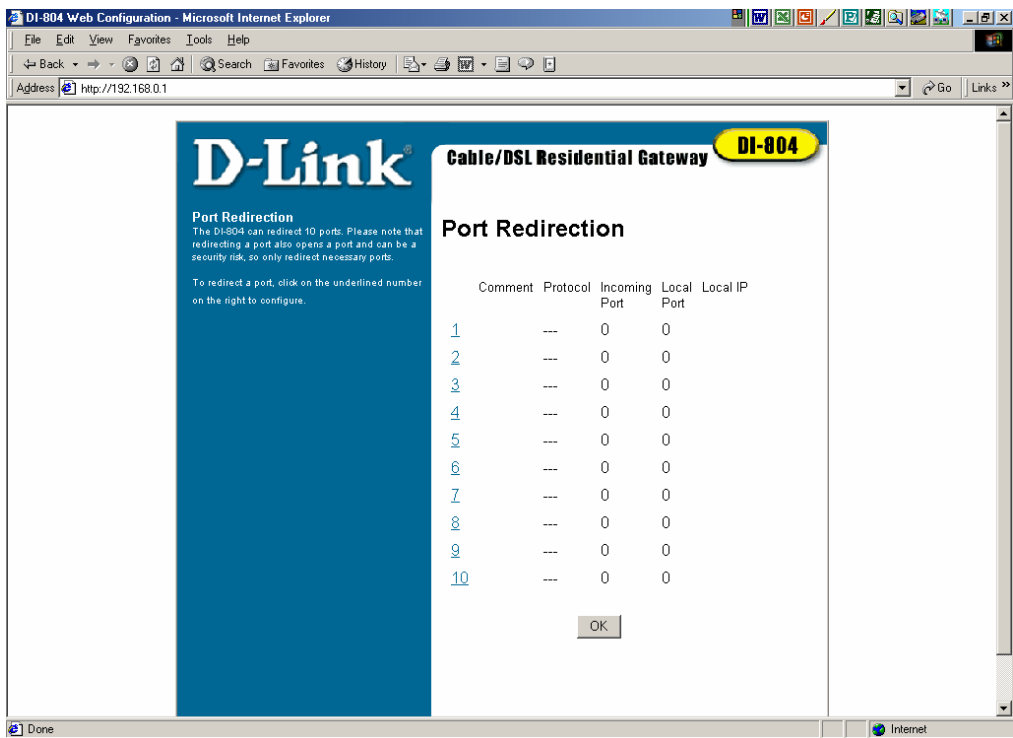
Index No. 1

☒ Enable Open Ports

Comment

Local Computer

	Protocol	Start Port	End Port		Protocol	Start Port	End Port
1.	—	0	0	6.	—	0	0
2.	—	0	0	7.	—	0	0
3.	—	0	0	8.	—	0	0
4.	—	0	0	9.	—	0	0
5.	—	0	0	10.	—	0	0



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D-Link

Advanced Filtering and Firewall Setup - Set Configuration

Rules based filtering and logging to allow maximum control over internal and external Internet communications. Rule based firewall setup and logging configuration is used to ensure maximum security for your network.

At the right simply click a number to establish a 7 rule Filter Set to specifically choose what types of traffic that are allowed to cross through the DI-804. Additionally, rules can be logged to provide notification of specific attempts for traffic to pass through the unit.

Due to the highly technical nature of this process, we do not recommend that novice users attempt to establish traffic rules. We provide this interface as a service to advanced users who need greater control over the traffic they allow to pass to and from their local network. For normal use, the DI-804 has a predetermined state of not passing questionable traffic to provide a high level of protection for a normal user.

Cable/DSL Residential Gateway DI-804

Advanced Filters/Firewall

Filter Set 1

Comments : Default Call Filter

Filter Rule	Comments
1	Block NetBios
2	
3	
4	
5	
6	
7	

Next Filter Set None

OK

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Address http://192.168.0.1

Advanced Filters/Firewall

The advanced filter/firewall sets and rules allow you to specify typical traffic patterns and alternately block or route this traffic. This can be used for added security as well as a method to log suspicious or other specific types of traffic.

Comments:
Enter a name for this rule

Pass or Block:
Set whether the rule passes or blocks the specified traffic to or from the specified IP.

Branch to Other Filter Set:
Allow you to apply a second filter set to any packet recognized by this filter set to maximize performance.

Direction:
In means from Internet, Out means to Internet.

Protocol:
Specify UDP or TCP traffic.

Source/Destination Address Fields:
Specify the specific IP addresses, and port range.

Advanced Filters/Firewall

Set 1 - Rule 1

Comments : Block NetBios

☒ Click to enable the Filter Rule

Pass or Block Block Immediately Branch to Other Filter Set None

☐ Duplicate to LAN ☐ Log

Direction IN Protocol any

IP Address Subnet Mask

Source any 255.255.255.255 (/32)

Destination any 255.255.255.255 (/32)

Source = 137 Start Port End Port 139

Destination =

☐ Keep State ☐ Source Route

Fragments Don't Care

OK

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D-Link

Advanced Filtering and Firewall Setup - Set Configuration

Rules based filtering and logging to allow maximum control over internal and external Internet communications. Rule based firewall setup and logging configuration is used to ensure maximum security for your network.

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Cable/DSL Residential Gateway DI-804

Advanced Filters/Firewall

Filter Set 2

Comments : Default Data Filter

Filter Rule	Comments
1	xNetBios -> DNS
2	
3	
4	
5	
6	
7	

Next Filter Set None

OK

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Address http://192.168.0.1

Advanced Filters/Firewall

The advanced filter/firewall sets and rules allow you to specify typical traffic patterns and alternately block or route this traffic. This can be used for added security as well as a method to log suspicious or other specific types of traffic.

Comments
Enter a name for this rule

Pass or Block
Set whether the rule passes or blocks the specified traffic to or from the specified IP.

Branch to Other Filter Set
Allow you to apply a second filter set to any packet recognized by this filter set to maximize performance.

Direction
In means from Internet, Out means to Internet.

Protocol
Specify UDP or TCP traffic.

Source/Destination Address Fields
Specify the specific IP addresses, and port range.

Advanced Filters/Firewall Set 2 - Rule 1

Comments : xNetBios-> DNS

☒ Click to enable the Filter Rule

Pass or Block Branch to Other Filter Set

Block Immediately None

☐ Duplicate to LAN ☐ Log

Direction Protocol

OUT any

IP Address Subnet Mask

Source any 255.255.255.255 (/32)

Destination any 255.255.255.255 (/32)

Start Port End Port

Source = 137 139

Destination = 53

☐ Keep State ☐ Source Route

Fragments Don't Care

OK

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Cable/DSL Residential Gateway

DI-804

Unit Status

The information at right outlines the current settings and status of your DI-804.

To actually change settings you will need to go to the appropriate pages under Basic Setup or Advanced Features. If you contact D-Link Technical Support, this information is useful in diagnosing any misconfiguration.

Unit Status

Firmware Version	: v2.00 b5
Internet	
Current IP	: 144.136.231.19
Current IP Mask	: 255.255.252.0
Current Gateway	: 144.136.228.1
Current DNS1	: 61.9.240.16
Current DNS2	: 61.9.240.13
Local	
Current IP	: 192.168.0.1
Current Subnet Mask	: 255.255.255.0
PPPoE Status	: Disable
DMZ Client	: Disable
Current Open/Redirected Ports	: More
Active Filter/Firewall Rules	: More

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LAN Status

IP Address	TX Packets	RX Packets
192.168.0.1	1824	1764

WAN Status

Mode	IP Address	TX Packets	TX Rate	RX Packets	RX Rate	Up Time
DHCP Client	144.136.231.19	337	19	77	3	0:14:53

[Dial PPPoE/PPTP](#) [Drop PPPoE/PPTP](#)

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D-Link®

Cable/DSL Residential Gateway

DI-804

Diagnostics

The information at right outlines the current settings and status of your DI-804 and performs some basic diagnostics related to your local network and Internet connection.

To actually change settings you will need to go to the appropriate pages under Basic Setup or Advanced Features. If you contact D-Link Tech Support this information is useful in diagnosing any misconfiguration.

Please highlight and copy the text at right and paste in an email to D-Link Tech Support to accompany any support questions you may have about the unit.

Diagnostics

Firmware Version: v2.00 b5

WAN MAC Address	: 00-05-5D-EF-F8-29
Current IP	: 144.136.231.19
Current IP Mask	: 255.255.252.0
Current Gateway	: 144.136.228.1
Current DNS1	: 61.9.240.16
Current DNS2	: 61.9.240.13
LAN MAC Address	: 00-05-5D-EF-F8-28
Current IP	: 192.168.0.1
Current Subnet Mask	: 255.255.255.0
DHCP	: Enable
Starting IP Address	: 192.168.0.100
Number of IP Addresses	: 100

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Config

Username

Password

Local Port Set to 5050 if unsure

Default Domain

onConnected run

onDisconnected run

☒ Log to file

OK Cancel

BPA Login Config Settings

IP Configuration

Host Information

Host Name	Odeatech.wa.bigpond.net.au	
DNS Servers	61.9.240.16	...
Node Type	Broadcast	
NetBIOS Scope Id		
IP Routing Enabled	☐	WINS Proxy Enabled ☐
NetBIOS Resolution Uses DNS	☒	

Ethernet Adapter Information

NETGEAR FA311 Fast Ethernet I

Adapter Address	00-02-E3-22-3B-47
IP Address	192.168.0.102
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
DHCP Server	192.168.0.1
Primary WINS Server	
Secondary WINS Server	
Lease Obtained	11 03 01 2:03:19 PM
Lease Expires	11 06 01 2:03:19 PM

OK Release Renew Release All Renew All

MS-DOS Prompt

Auto

```
C:\WINDOWS>c:
C:\WINDOWS>cd\
C:\>ping 203.111.91.251

Pinging 203.111.91.251 with 32 bytes of data:

Reply from 203.111.91.251: bytes=32 time=316ms TTL=240
Reply from 203.111.91.251: bytes=32 time=110ms TTL=240
Reply from 203.111.91.251: bytes=32 time=123ms TTL=240
Reply from 203.111.91.251: bytes=32 time=165ms TTL=240

Ping statistics for 203.111.91.251:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 110ms, Maximum = 316ms, Average = 178ms

C:\>
```

Cable Modem Web Page - Microsoft Internet Explorer

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Cable Modem INFORMATION · WIZARD

system startup signal status log

System Information

The page provides the basic information of your cable modem.

Standard Specification Compliant	DOCSIS 1.0
Hardware Version	8.0
Software Version	2.93.5
Cable Modem MAC Address	00:90:96:09:1C:11
Cable Modem Serial Number	009096091c11
CPE-end Interface	Ethernet

Done Internet

Cable Modem Config and Diagnostics

ASKEY - Microsoft Internet Explorer

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Cable Modem INFORMATION · WIZARD

system **startup** signal status log

Startup Procedure

The page provides information about the startup process of the cable modem.
You may check this connection sequence to know the current status of your cable modem

Cable Modem Status

Procedure	Status	Comment
Acquire Downstream Channel	Locked	567000000 Hz
Acquire Cable Messages	Get UCD OK!	Signal
DHCP	OK	IP : 10. 96. 5. 61
Time of Day	OK	Sat Nov 3 11:00:57 2001
Get Configuraton File	OK	/d/mac-1,6,00:90:96:09:1c:11
Registration	OK	Status
Security	No BPI	N/A

Done

ASKEY - Microsoft Internet Explorer

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Cable Modem INFORMATION · WIZARD

system startup **signal** status log

Cable Signal

The page provides information about the cable signal parameters which the cable modem received from the cable modem headend device.

Upstream Channel Parameters

This information are extracted from the UCD cable messages sent out by cable modem headend device.

Upstream Channel ID	1
Downstream Channel ID	1
Symbol Rate	1280 ksym/sec
Frequency	25200000 Hz
Modulation Type	QPSK

ASKEY - Microsoft Internet Explorer

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Cable Modem INFORMATION · WIZARD

system startup signal **status** log

Connection Status

The page provides information about the current downstream and upstream channel status of cable modem and how many PCs are connected to your cable modem.

Online Status

Online Time	25min:2sec
Network Access	Allowed

Downstream Channel

This information display the current signal status of downstream channel.

Lock Status	Locked	Modulation	64 QAM
Downstream Frequency	567000000 Hz	Max Bit Rate	10000000 bps
Downstream Power	-9.85 dBmV	SNR	32 dB

Upstream Channel

The information display the current signal status of upstream channel.

Upstream Frequency	25200000 Hz	Modulation	QPSK
Upstream Power	37.00 dBmV	Max Bit Rate	640000 bps

CPE Connection

Done Internet

ASKEY - Microsoft Internet Explorer

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upstream channel status of cable modem and how many PCs are connected to your cable modem.

Online Status

Online Time	25min:2sec
Network Access	Allowed

Downstream Channel

This information display the current signal status of downstream channel.

Lock Status	Locked	Modulation	64 QAM
Downstream Frequency	567000000 Hz	Max Bit Rate	10000000 bps
Downstream Power	-9.85 dBmV	SNR	32 dB

Upstream Channel

The information display the current signal status of upstream channel.

Upstream Frequency	25200000 Hz	Modulation	QPSK
Upstream Power	37.00 dBmV	Max Bit Rate	640000 bps

CPE Connection

This information show up how many user's PCs are connected to your cable modem.

CPE	MAC Address	IP Address	Connect To
PC-1	00 : 05 : 5d : ef : f6 : 29	144.136.231. 19	Ethernet