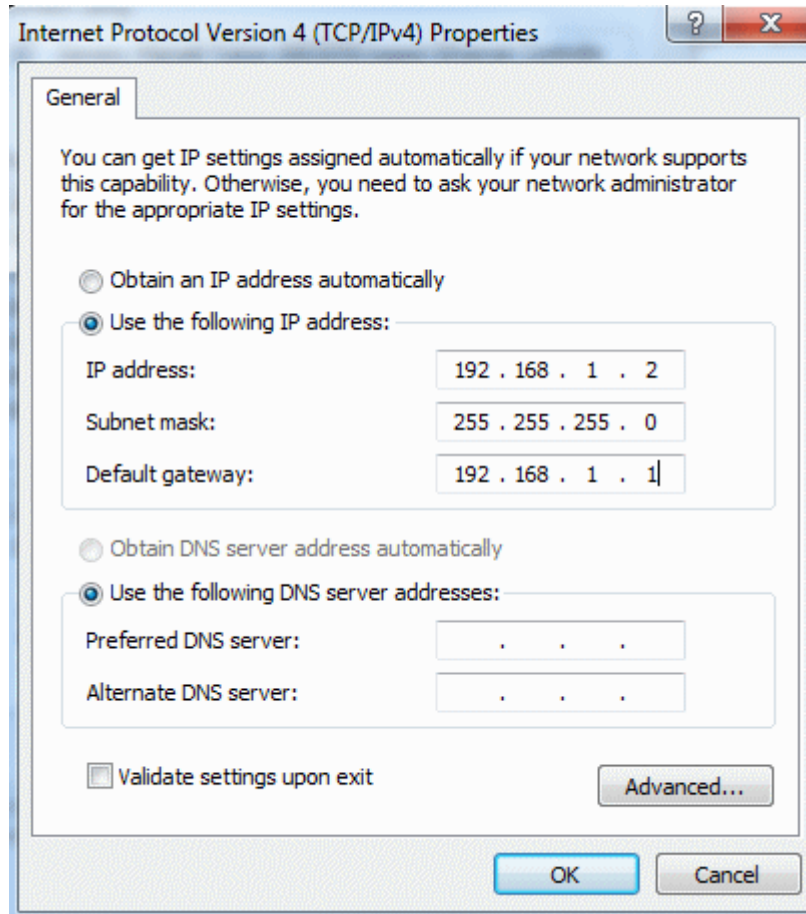


## MS41p1 Screen Shots

1<sup>st</sup> configure your network card as follows



Wide Area Network (WAN) Setup

Choose Add, Edit, or Remove to configure WAN interfaces.  
Choose Save/Reboot to apply the changes and reboot the system.

Port/Vpi/Vci	Con. ID	Category	Service	Interface	Protocol	Igmp	QoS	State	Remove	Edit
0/0/35	1	UBR	br_0_0_35	nas_0_0_35	Bridge	N/A	Enabled	Enabled	<input type="checkbox"/>	Edit

Add Remove Save/Reboot

Device Info  
**Advanced Setup**  
WAN  
LAN  
Security  
Quality of Service  
Routing  
DSL  
Diagnostics  
Management

- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### ATM PVC Configuration

This screen allows you to configure an ATM PVC identifier (PORT and VPI and VCI) and select a service category. Otherwise choose an existing interface by selecting the checkbox to enable it.

PORT: [0-3]

VPI: [0-255]

VCI: [32-65535]

Service Category:

### Enable Quality Of Service

Enabling packet level QoS for a PVC improves performance for selected classes of applications. QoS cannot be set for CBR and Realtime VBR. QoS consumes system resources; therefore the number of PVCs will be reduced. Use **Advanced Setup/Quality of Service** to assign priorities for the applications.

Enable Quality Of Service

- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### Connection Type

Select the type of network protocol for IP over Ethernet as WAN interface

- PPP over ATM (PPPoA)
- PPP over Ethernet (PPPoE)
- MAC Encapsulation Routing (MER)
- IP over ATM (IPoA)
- Bridging

### Encapsulation Mode

- Device Info
- Advanced Setup
- WAN**
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

Unselect the check box below to disable this WAN service

Enable Bridge Service:

Service Name:

- Device Info
- Advanced Setup
- WAN**
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

#### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.

PORT / VPI / VCI:	0 / 0 / 35
Connection Type:	Bridge
Service Name:	br_0_0_35
Service Category:	UBR
IP Address:	Not Applicable
Service State:	Enabled
NAT:	Disabled
Firewall:	Disabled
IGMP Multicast:	Not Applicable
Quality Of Service:	Enabled

Click "Save" to save these settings. Click "Back" to make any modifications.

NOTE: You need to reboot to activate this WAN interface and further configure services over this interface.

- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### ATM PVC Configuration

This screen allows you to configure an ATM PVC identifier (PORT and VPI and VCI) and select a service category. Otherwise choose an existing interface by selecting the checkbox to enable it.

PORT: [0-3]

VPI: [0-255]

VCI: [32-65535]

Service Category:

### Enable Quality Of Service

Enabling packet level QoS for a PVC improves performance for selected classes of applications. QoS cannot be set for CBR and Realtime VBR. QoS consumes system resources; therefore the number of PVCs will be reduced. Use **Advanced Setup/Quality of Service** to assign priorities for the applications.

Enable Quality Of Service

- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### Connection Type

Select the type of network protocol for IP over Ethernet as WAN interface

- PPP over Ethernet (PPPoE)
- MAC Encapsulation Routing (MER)
- Bridging

### Encapsulation Mode

- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### WAN IP Settings

Enter information provided to you by your ISP to configure the WAN IP settings.

Notice: DHCP can be enabled for PVC in MER mode or IP over Ethernet as WAN interface if "Obtain an IP address automatically" is chosen. Changing the default gateway or the DNS effects the whole system. Configuring them with static values will disable the automatic assignment from DHCP or other WAN connection.

If you configure static default gateway over this PVC in MER mode, you must enter the IP address of the remote gateway in the "Use IP address". The "Use WAN interface" is optional.

- Obtain an IP address automatically
- Use the following IP address:  
WAN IPv4 Address:   
WAN Subnet Mask:
- Obtain default gateway automatically
- Use the following default gateway:
  - Use IPv4 Address:
  - Use WAN Interface: mer\_0\_0\_35/ ▾
- Obtain DNS server addresses automatically
- Use the following DNS server addresses:  
Primary DNS server:   
Secondary DNS server:

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- Advanced Setup
- WAN
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- Management

### Network Address Translation Settings

Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).

- Enable NAT
- Enable Fullcone NAT
- Enable Firewall

### Enable IGMP Multicast, and WAN Service

- Enable IGMP Multicast
- Enable WAN Service
- Service Name:

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- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.

<b>PORT / VPI / VCI:</b>	0 / 0 / 35
<b>Connection Type:</b>	MER
<b>Service Name:</b>	mer_0_0_35
<b>Service Category:</b>	UBR
<b>IP Address:</b>	Automatically Assigned
<b>Service State:</b>	Enabled
<b>NAT:</b>	Enabled
<b>Firewall:</b>	Disabled
<b>IGMP Multicast:</b>	Disabled
<b>Quality Of Service:</b>	Enabled

Click "Save" to save these settings. Click "Back" to make any modifications.

NOTE: You need to reboot to activate this WAN interface and further configure services over this interface.

[Back](#) [Save](#)

- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### ATM PVC Configuration

This screen allows you to configure an ATM PVC identifier (PORT and VPI and VCI) and select a service category. Otherwise choose an existing interface by selecting the checkbox to enable it.

PORT: [0-3]

VPI: [0-255]

VCI: [32-65535]

Service Category:

### Enable Quality Of Service

Enabling packet level QoS for a PVC improves performance for selected classes of applications. QoS cannot be set for CBR and Realtime VBR. QoS consumes system resources; therefore the number of PVCs will be reduced. Use **Advanced Setup/Quality of Service** to assign priorities for the applications.

Enable Quality Of Service

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- Device Info
- Advanced Setup
- WAN
- LAN
- Security
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### Connection Type

Select the type of network protocol for IP over Ethernet as WAN interface

- PPP over Ethernet (PPPoE)
- MAC Encapsulation Routing (MER)
- Bridging

### Encapsulation Mode

LLC/SNAP-BRIDGING ▾

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- Device Info
- Advanced Setup
- WAN
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- Management

### PPP Username and Password

PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.

PPP Username:

PPP Password:

PPPoE Service Name:

Authentication Method:  ▾

- Enable Fullcone NAT
- Dial on demand (with idle timeout timer)
- PPP IP extension
- Use Static IP Address
- Retry PPP password on authentication error
- Enable PPP Debug Mode
- Bridge PPPoE Frames Between WAN and Local Ports (Default Enabled)

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- Device Info
- Advanced Setup
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### Enable IGMP Multicast, and WAN Service

Enable IGMP Multicast

Enable WAN Service

Service Name

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- Device Info
- Advanced Setup
- WAN**
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### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.

<b>PORT / VPI / VCI:</b>	0 / 0 / 35
<b>Connection Type:</b>	PPPoE
<b>Service Name:</b>	pppoe_0_0_35_2
<b>Service Category:</b>	UBR
<b>IP Address:</b>	Automatically Assigned
<b>Service State:</b>	Enabled
<b>NAT:</b>	Enabled
<b>Firewall:</b>	Enabled
<b>IGMP Multicast:</b>	Disabled
<b>Quality Of Service:</b>	Enabled

Click "Save" to save these settings. Click "Back" to make any modifications.

NOTE: You need to reboot to activate this WAN interface and further configure services over this interface.

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- Device Info
- Advanced Setup
- WAN
- LAN
- Security**
- MAC Filtering
- Quality of Service
- Routing
- DSL
- Diagnostics
- Management

### MAC Filtering Setup

MAC Filtering Global Policy: **FORWARDED**

[Change Policy](#)

MAC Filtering is only effective on ATM PVCs configured in Bridge mode. **FORWARDED** means that all MAC layer frames will be **FORWARDED** except those matching with any of the specified rules in the following table. **BLOCKED** means that all MAC layer frames will be **BLOCKED** except those matching with any of the specified rules in the following table.

Choose Add or Remove to configure MAC filtering rules.

VPI/VCI	Protocol	Destination MAC	Source MAC	Frame Direction	Remove
---------	----------	-----------------	------------	-----------------	--------

[Add](#) [Remove](#)

- Device Info
- Advanced Setup
- Diagnostics
- Management
- Settings**
- Backup
- Update
- Restore Default
- System Log
- Access Control
- Update Software
- Save/Reboot

### Settings - Backup

Backup DSL router configurations. You may save your router configurations to a file on your PC.

[Backup Settings](#)

**Device Info**  
**Advanced Setup**  
**Diagnostics**  
**Management**

**Device Info**

<b>Board ID:</b>	96338L-2M-8M
<b>Software Version:</b>	3.12L.01_830en_MS.A2pB021g9.d20e
<b>Bootloader (CFE) Version:</b>	(before 1.0.37-5.12)

This information reflects the current status of your DSL connection.

<b>Line Rate - Upstream (Kbps):</b>	
<b>Line Rate - Downstream (Kbps):</b>	
<b>LAN IPv4 Address:</b>	192.168.1.1
<b>MAC Address:</b>	00:1a:a9:2a:3c:71
<b>Default Gateway:</b>	
<b>Primary DNS Server:</b>	192.168.1.1
<b>Secondary DNS Server:</b>	192.168.1.1