
Basic Setup

Introduction

In the **Basic Setup** group, you can change the administrator password, IP configuration of LAN interface and also local DHCP server, ISDN and Wireless LAN configuration.



Configuration

- Changing the Administrator Password

For security reasons, we strongly recommend that you set an administrator password for the router. On first setup the router requires no password. If you don't set a password, the router is open and it could be logged into and settings could be changed by any user from the local network or the Internet.

Click **Administrator Password Setup**, the following screen will open.

A screenshot of the "Administrator Password Setup" screen. The title bar at the top is red and contains "> Basic Setup> Administrator Password Setup" on the left and "<< Main Menu" on the right. The main content area has a light orange background. In the center, there is a white box containing three input fields: "Old Password" with a colon to its left, "New Password" with a colon to its left, and "Retype New Password" with a colon to its left. Below these fields is a grey "OK" button. At the bottom of the screen, there is a blue footer bar with the text "Copyright (c) 2002, DrayTek Corp. All Rights Reserved." in yellow.

Old Password: Enter a current administrator password. If this is the first time to set a password, leave this field blank.

New Password: Enter a new administrator password.

Retype New Password: Type the new password again for confirmation.

Click **OK**.

- Configuring LAN IP Address

There are two sets of IP address settings for the LAN interface. The 1st IP address/netmask is for private users or NAT users, and the 2nd IP address/netmask is for public users. To allow public users requires you to have subscribed to a globally reachable subnet from your ISP.

For example, for some DSL accounts, the ISP will assign a few public IP addresses for your local network usage. You could use one IP address for your router, and the 2nd IP address/netmask should be configured with the public IP address. Other local PCs should set the router IP address as the default gateway. When the DSL connection to the ISP has been established, each local PC will direct route to the Internet. Also, you could use the 1st IP address/netmask to connect to other private users (PCs). These IP addresses of the users will be translated to the 2nd IP address by the router and sent out via the DSL connection.

> Basic Setup > Ethernet TCP/IP and DHCP Setup << Main Menu

LAN IP Network Configuration		DHCP Server Configuration	
For NAT Usage		Activate	: <input checked="" type="radio"/> Yes <input type="radio"/> No
1st IP Address	: 192.168.1.1	Start IP Address	: 192.168.1.10
1st Subnet Mask	: 255.255.255.0	IP Pool Counts	: 50
For IP Routing Usage	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable	Gateway IP Address	: 192.168.1.1
2nd IP Address	: 192.168.2.1	DNS Server IP Address	:
2nd Subnet Mask	: 255.255.255.0	Primary IP Address	:
RIP Protocol Control	: Disable	Secondary IP Address	:

OK

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For NAT Usage: (Default: Always Enable)

1st IP Address: Private IP address for connecting to a local private network (Default: 192.168.1.1).

1st Subnet Mask: Netmask for the local private network (Default: 255.255.255.0/24).

For IP Routing Usage: (Default: Disable)

Enable: Enables the 2nd IP address settings.

Disable: Disables the 2nd IP address settings.

2nd IP Address: Sets a public IP address.

2nd Subnet Mask: Sets a netmask for the public IP address.

RIP Protocol Control:

Disable: Disables RIP packets exchange on LAN interface.

1st Subnet: Sets the 1st subnet to exchange RIP packets with neighbor routers connected to LAN interface.

2nd Subnet: Sets the 2nd subnet to exchange RIP packets with neighbor routers connected to LAN interface.

- Configuring DHCP Server

DHCP stands for Dynamic Host Configuration Protocol. It can automatically dispatch related IP settings to any local user configured as a DHCP client.

> Basic Setup> Ethernet TCP/IP and DHCP Setup <<Main Menu

LAN IP Network Configuration

For NAT Usage : ☐ Enable ☒ Disable

1st IP Address : 192.168.1.1

1st Subnet Mask : 255.255.255.0

For IP Routing Usage : ☐ Enable ☒ Disable

2nd IP Address : 192.168.2.1

2nd Subnet Mask : 255.255.255.0

RIP Protocol Control : Disable

DHCP Server Configuration

Activate : ☒ Yes ☐ No

Start IP Address : 192.168.1.10

IP Pool Counts : 50

Gateway IP Address : 192.168.1.1

DNS Server IP Address :

Primary IP Address :

Secondary IP Address :

OK

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Activate: (Default: Yes).

Yes: Enables the DHCP server.

No: Disables the DHCP server.

Start IP Address: Sets the start IP address of the IP address pool.

IP Pool Counts: Sets the number of IPs in the IP address pool.

Gateway IP Address: Sets the gateway IP address for the DHCP server. Usually, it should be same as 1st IP address when the router works as a default gateway.

DNS Server IP Address: (Default: None).

DNS stands for Domain Name System. Every Internet host must have a unique IP address, also they may have a human friendly, easy to remember name such as www.yahoo.com. The DNS server converts the user friendly name into it's equivalent IP address.

Primary IP Address: Sets the IP address of the primary DNS server.

Secondary IP Address: Sets the IP address of the secondary DNS server.

Note: If both the Primary IP and Secondary IP Address fields are left blank, the router will assign its own IP address to local users as a DNS proxy server and maintain a DNS cache. If the IP address of a domain name is already in the DNS cache, the router will resolve the domain name immediately. Otherwise, the router forwards the DNS query packet to the external DNS server by establishing a WAN (e.g. DSL/Cable) connection.

- Configuring the ISDN Interface (Vigor2200, Vigor2200X and Vigor2200W only)

This setup page is present in the Vigor2200, Vigor2200X and Vigor2200W, absent in the Vigor2200E.

> Basic Setup> ISDN Setup		<< Main Menu	
ISDN Port <input checked="" type="radio"/> Enable <input type="radio"/> Disable		MSN numbers for the router	
Country Code :	<input type="text" value="International"/>	1. :	<input type="text"/>
Own Number :	<input type="text"/>	2. :	<input type="text"/>
<small>"Own Number" means that the router will tell the remote end the ISDN number when it's placing an outgoing call.</small>		3. :	<input type="text"/>
		<small>"MSN Numbers" means that the router is able to accept number-matched incoming calls. In addition, MSN service should be supported by the local ISDN network provider.</small>	
<input type="button" value="OK"/>			

ISDN Port: Click **Enable** to turn on the ISDN port, **Disable** to turn off.

Country Code: For proper operation on your local ISDN network you should set the correct country code.

Own Number: Sets your ISDN number. If the field has been configured, every outgoing call will carry the number to the called user.

MSN Numbers for the Router: **MSN Numbers** means that the router is able to accept number-matched incoming calls. In addition, MSN service should be supported by local ISDN network provider. The router provides three MSN number fields. Note that MSN services must be subscribed for from your local telecom.

By default, MSN function is disabled. Leave the MSN number fields blank, under which all incoming calls will be accepted without number-matching.

- Configuring the Wireless LAN Interface (Vigor2200W only)

The Vigor Wireless Router is equipped with a wireless LAN interface compliant with the 11Mbps IEEE 802.11b protocol. The features of wireless LAN capability enable high mobility of several simultaneous users accessing all LAN facilities just like on a wired LAN as well as Internet and WAN access.

The screenshot shows the 'Wireless LAN Setup' page. At the top, there is a breadcrumb trail: '> Basic Setup > Wireless LAN Setup' and a link '<< Main Menu'. Below this, the 'Wireless LAN Infomation' section displays the MAC Address as '00-60-b3-68-68-a9' and the Frequency Domain as 'Europe'. A '<< Back' link is present. The 'Detailed Settings' section contains three links: '>> General Settings', '>> WEP Settings', and '>> Access Control'.

The Frequency Domain is set as Europe and the MAC address will show as above. Click **General Settings**, you could configure the SSID and wireless channel.

The screenshot shows the 'General Settings' page. The breadcrumb trail is '> Basic Setup > Wireless LAN Setup > General Settings' with a '<< Main Menu' link. The 'General Setting (IEEE 802.11)' section has a '<< Back' link. It contains two input fields: 'SSID' with the value 'default' and 'Channel' with a dropdown menu showing 'Channel 6, 2437MHz'. Below these is a checkbox for 'Hide SSID' which is currently unchecked. A text box at the bottom provides definitions: 'SSID : wireless LAN Service Set ID.', 'Hide SSID : the scanning tool can't read the SSID when sniffing radio.', and 'Channel : Select the frequency channel of wireless LAN.' At the bottom of the page are 'Cancel' and 'OK' buttons.

SSID (Service Set Identification): You should set the SSID same as your note book wireless card to allow the client PCs to access the network via the wireless LAN interface. The default SSID is "**default**".

Channel: To select a wireless channel for Vigor2200W. The default channel is 6.

Hide SSID: To check it to hide SSID when the wireless clients sniffing radio.

- Configuring the WEP Security of Wireless LAN Interface (Vigor2200W only)

WEP Encryption:

To improve the security and privacy of your wireless data packets the WEP encryption feature can be used. The WEP encrypts each frame transmitted from the radio using one of the keys entered from this panel. WEP encryption can be enabled by selecting 64 bits or 128 bits from pull down menu. There are 4 key sets can be entered and only one key can be selected. The key can be entered by ASCII or Hexadecimal.

> Basic Setup > Wireless LAN Setup > WEP Settings << Main Menu

WEP Settings << Back

WEP Encryption : Disable

Use WEP Key

☐ Key 1 : sksksksksksksksksksk

☐ Key 2 : sksksksksksksksksksk

☐ Key 3 : sksksksksksksksksksk

☐ Key 4 : sksksksksksksksksksk

For 64 bit WEP key
Type 5 ASCII character or 10 Hexadecimal digits leading by "0x", for example "AB312" or "0x4142333132".

For 128 bit WEP key
Type 13 ASCII character or 26 Hexadecimal digits leading by "0x", for example "0123456789abc" or "0x30313233343536373839414243".

Cancel OK

Disable: Turns off the WEP encryption mechanism.

WEP 64 Bit: For 64bits WEP key, either 5 ASCII characters or 10 hexadecimal digitals leading by **0x** can be entered. For example **ABCDE** or **0x4142434445**.

WEP 128 Bit: For 128bits 13 ASCII characters or 26 hexadecimal digitals leading by **0x** can be entered. For example, **ABCDEFGHIJKLM** or **0x4142434445464748494A4B4C4D**.

- Configuring the Access Control of Wireless LAN Interface (Vigor2200W only)

For additional security of wireless access, the **Access Control** allows you to restrict the network access rights by the wireless LAN MAC address of client. Only the valid MAC address which has been configured can allow to access the wireless LAN interface.

The screenshot shows the 'Access Control' configuration page. At the top, a breadcrumb trail reads '> Basic Setup > Wireless LAN Setup > Access Control' and a '<< Main Menu' link is on the right. The page title is 'Access Control' with a '<< Back' link. A checkbox labeled 'Enable Access Control' is present. Below it is a table with two columns: 'Index' and 'MAC Address'. The table is currently empty. Under the table, there is a 'MAC Address :' label followed by six input boxes separated by colons. Below these are four buttons: 'Add', 'Remove', 'Edit', and 'Cancel'. At the bottom, there is a 'Note :' section with the text 'Add or remove the wireless user's MAC address to accept or deny the access to the network.' and two buttons: 'Clear All' and 'OK'.

Enable Access Control: To check the **Enable Access Control** to enable the MAC Address access control feature.

MAC Address: To type the specific MAC Address which could be added on, removed from or edited from the access list above.

ADD: To add a MAC address on the list.

Remove: To remove the selected MAC address on the list.

Edit: To edit the selected MAC address on the list.

Cancel: To cancel the MAC address access control setup.

Clean All: To clean all of configured MAC address on the list.

OK: To save the access control list.