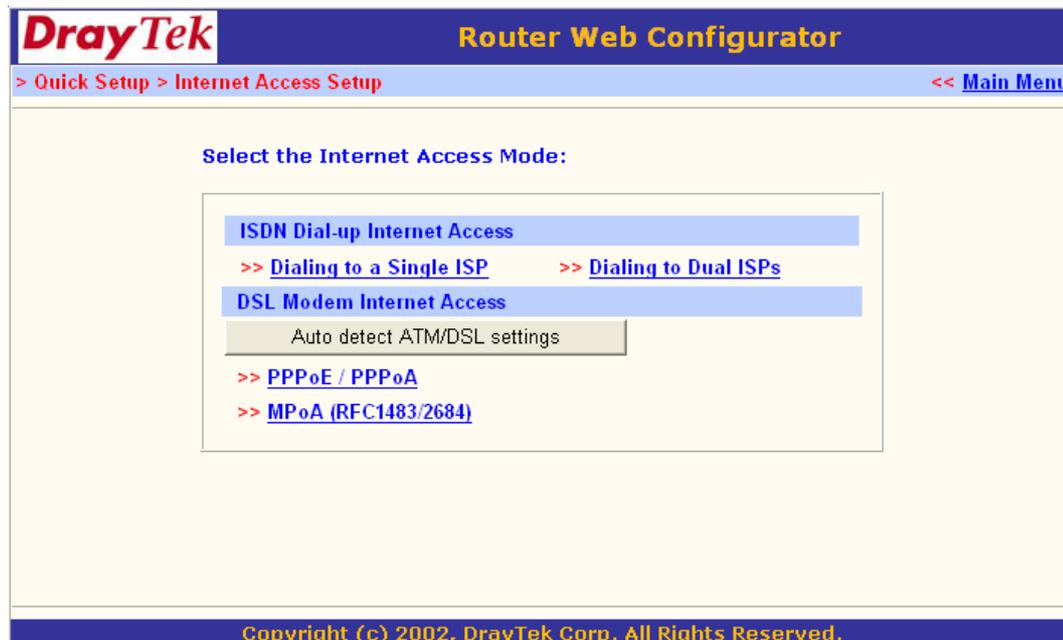

Internet Access Setup

Introduction

In the **Quick Setup** group, you can configure the router to access the Internet with different modes (e.g. ISDN, PPPoE, PPPoA, MPoA and ADSL Access with ISDN dial backup).



For most users, Internet access is the primary application. The VigorX and VigorW support the ISDN WAN interface for Internet access and remote access. The following sections will explain more details of ISDN dial-up access and ADSL access setup. When you click **Internet Access Setup** from within the **Quick Setup** group, the following setup page will be shown.



Several methods are available for Internet Access.

ADSL

For ADSL access users, you need to know what kind of Internet access is provided by your ISP.

PPPoE/PPPoA : Enter your allocated username, password and DSL parameters according to the information provided by your ISP. If you want to connect to Internet all the time, you can check 'Always On'.

MPoA (RFC 1483/2684): Enter your allocated WAN IP address(or enabling DHCP client to get IP from ISP) and DSL parameters according to the information provided by your ISP.

ISDN (for VigorX/ VigorW users only)

For ISDN Internet users, you should click **Diaing to a Single ISP** or **Dialing to Dual ISPs** for detailed Internet settings.

Dialing to a Single ISP: If you access the Internet via a single ISP, click here.

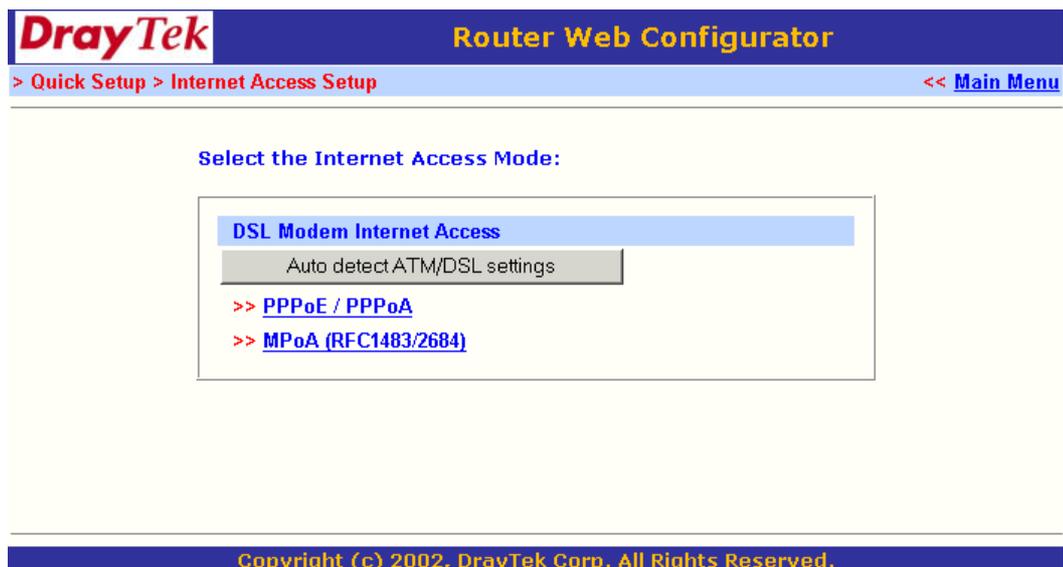
Dialing to Dual ISPs: If you have more than one ISP, click here to set two ISP dialup profiles. You will be able to dial to both ISPs at the same time. This is mainly for those ISPs that do not support Multiple-Link PPP (ML-PPP). In such cases dialing to two ISPs can increase the bandwidth utilization of the ISDN line to 128kbps data speed.

Configuration

ADSL

Set DSL Parameters

Click on 'Internet Access Setup' on the right-hand menu. You will find two items : PPPoE/PPPoA and MPoA (RFC 1483/2684). Then You can continually enter setting menu according to the protocol which ISP assigns.



The screenshot displays the DrayTek Router Web Configurator interface. At the top, there is a blue header with the DrayTek logo on the left and "Router Web Configurator" on the right. Below the header, a navigation bar shows "> Quick Setup > Internet Access Setup" on the left and "<< Main Menu" on the right. The main content area has a yellow background and is titled "Select the Internet Access Mode:". Below this title is a white box containing three options: "DSL Modem Internet Access" (highlighted in blue), "Auto detect ATM/DSL settings" (in a grey box), ">> PPPoE / PPPoA", and ">> MPoA (RFC1483/2684)". At the bottom of the page, a blue footer contains the text "Copyright (c) 2002, DrayTek Corp. All Rights Reserved."

For PPPoE/PPPoA Users

Enter your allocated username, password and DSL parameters according to the information provided by your ISP. If you want to connect to Internet all the time, you can check 'Always On'.

The screenshot shows the 'Router Web Configurator' interface for 'PPPoE / PPPoA Client Mode'. The page is divided into several sections:

- PPPoE/PPPoA Client:** Includes radio buttons for 'Enable' (selected) and 'Disable'.
- DSL Modem Settings:** Fields for VPI (0), VCI (33), Encapsulating Type (LLC/SNAP), Protocol (PPPoA), and Modulation (Multimode).
- ISDN Dial Backup Setup:** A dropdown menu for 'Dial Backup Mode' set to 'None'.
- ISP Access Setup:** Fields for 'ISP Name', 'Username' (T0177921), and 'Password' (masked). Includes a 'PPP Authentication' dropdown (PAP or CHAP) and a checked 'Always On' checkbox. An 'Idle Timeout' field is set to -1 second(s).
- IP Address From ISP:** Radio buttons for 'Fixed IP' (Yes) and 'No (Dynamic IP)' (selected). A 'Fixed IP Address' field is present.
- MAC Address:** Radio buttons for 'Default MAC Address' (selected) and 'Specify a MAC Address'. A 'MAC Address' field shows 00.50.7F.05.3A.F9.
- Scheduler (1-15):** A row of five empty input boxes.

An 'OK' button is located at the bottom center. The footer contains the text: 'Copyright (c) 2002, DrayTek Corp. All Rights Reserved.'

For MPoA (RFC 1483/2684) Users

Enter your allocated WAN IP address (or enabling DHCP client to get IP from ISP) and DSL parameters according to the information provided by your ISP.

The screenshot shows the 'Router Web Configurator' interface for 'MPoA (RFC1483/2684) Mode'. The page is divided into several sections:

- MPoA (RFC1483/2684):** Includes radio buttons for 'Enable' and 'Disable' (selected). A dropdown menu for 'Encapsulation' is set to '1483 Bridged IP LLC'.
- DSL Modem Settings:** Fields for VPI (0), VCI (33), and Modulation (Multimode).
- ISDN Dial Backup Setup:** A dropdown menu for 'Dial Backup Mode' set to 'None'.
- RIP Protocol:** A checkbox for 'Enable RIP' which is unchecked.
- WAN IP Network Settings:** Radio buttons for 'Obtain an IP address automatically' and 'Specify an IP address' (selected). The 'Specify an IP address' section includes a 'WAN IP Alias' button and fields for 'IP Address' (0.0.0.0), 'Subnet Mask' (255.255.255.0), and 'Gateway IP Address'.
- MAC Address:** Radio buttons for 'Default MAC Address' (selected) and 'Specify a MAC Address'. A 'MAC Address' field shows 00.50.7F.05.3A.F9.

An 'OK' button is located at the bottom center. The footer contains the text: 'Copyright (c) 2002, DrayTek Corp. All Rights Reserved.'

If you have multiple public IPs to assign on the WAN interface. Click **WAN IP Alias**, the following windows will be pop-up. You can assign additional IPs on the page, and click **OK**.

Index	Enable	Aux. WAN IP	Join NAT IP Pool
1.	<input type="checkbox"/>	172.16.2.57	<input type="checkbox"/>
2.	<input checked="" type="checkbox"/>	172.16.2.58	<input checked="" type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="checkbox"/>
8.	<input type="checkbox"/>	<input type="checkbox"/>

Close Clear All OK

Auto detect ATM/DSL Setting

You can also use this function to detect ATM/DSL setting. Please follow the instructions to operate. If your country is not on the list, it may take longer time to detect.

Configuring ISDN Dial backup for Broadband Access

ISDN Dial Backup Setup

DSL Modem Settings

VPI: 0
VCI: 33
Encapsulating Type: LLC/SNAP
Protocol: PPPoE
Modulation: Multimode

ISDN Dial Backup Setup

Dial Backup Mode: None

OK

Dial Backup Mode:

None:

Disables the backup function.

Packet Trigger:

The backup line is disconnected until a packet from a local host triggers the router to establish a connection.

Always On:

If the broadband connection is no longer available, the backup line will automatically connect and stay always-on until the broadband connection is recovered.

For ISDN Dial Backup to function, you must create a dial backup profile. Click **Internet Access Setup > Dialing to a Single ISP** to enter the backup profile setup page.

Internet Statics

You can know the DSL status via status monitor.

The screenshot displays the DrayTek Router Web Configurator interface. At the top, there is a blue header with the DrayTek logo and the text "Router Web Configurator". Below the header, a navigation bar shows "> System Management> Online Status" and "<< Main Menu".

The main content area is divided into several sections:

- System Status:** Shows "System Uptime: 0:12:48".
- ISDN Status:** A table with columns: Channel, Active Connection, TX Pkts, TX Rate, RX Pkts, RX Rate, Up Time, and AOC. It lists channels B1, B2, and D.
- LAN Status:** A table with columns: IP Address, TX Packets, and RX Packets. It shows IP 192.168.1.1, 531 TX packets, and 592 RX packets.
- WAN Status:** Shows "GW IP Addr 61.59.172.1" and a "Drop PPPoE" button. Below it is a table with columns: Mode, IP Address, TX Packets, TX Rate, RX Packets, RX Rate, and Up Time.
- ADSL Information:** Shows "(ADSL Firmware Version : 41e2be2c)".
- ATM Statistics:** A table with columns: TX Blocks, RX Blocks, Corrected Blocks, and Uncorrected Blocks.
- ADSL Status:** A table with columns: Mode, State, Up Speed, Down Speed, SNR Margin, and Loop Att.

At the bottom of the interface, a blue footer contains the text: "Copyright (c) 2002, DrayTek Corp. All Rights Reserved."

ISDN (for VigorX/ VigorW users only)

Connecting to a Single ISP

> Quick Setup > Internet Access Setup << Main Menu

Single ISP << Back

ISP Access Setup

ISP Name

Dial Number

Username

Password

Require ISP callback (CBCP)

Scheduler (1-15)

=> , , ,

PPP/MP Setup

Link Type

PPP Authentication

Idle Timeout second(s)

IP Address Assignment Method (IPCP)

Fixed IP Yes No (Dynamic IP)

Fixed IP Address

OK

ISP Access Setup

ISP Name: Enter your ISP name.

Dial Number: Enter the ISDN access number provided by your ISP.

Username: Enter the username provided by your ISP.

Password: Enter the password provided by your ISP.

Require ISP Callback (CBCP): If your ISP supports the callback function, check **Require ISP Callback (CBCP)** to enable the Callback Control Protocol during PPP negotiations.

Scheduler (1-15): Enter the index of schedule profile to control the Internet access by time plan.

PPP/MP Setup

Link Type: There are four link types:

Link Disable

Disables the ISDN dial-out function.

Dialup 64Kbps

Uses one ISDN B channel for Internet access.

Dialup 128Kbps

Uses both ISDN B channels for Internet access.

Dialup BOD

BOD stands for bandwidth-on-demand. The router will use only one B channel under low traffic situations. Once the single B channel bandwidth is filled, the other B channel will be dialled automatically. For more detailed BOD parameter settings, refer to the **Advanced Setup** group > **Call Control and PPP/MP Setup**.

PPP Authentication:

PAP Only

Sets the PPP session to use the PAP protocol to negotiate the username and password with the ISP.

PAP or CHAP

Sets the PPP session to use the PAP or CHAP protocols to negotiate the username and password with the ISP.

Idle Timeout:

Idle timeout means the router will disconnect after being idle for a preset amount of time. The default is 180 seconds. If you set the time to 0, the ISDN connection will remain always connected to the ISP.

IP Address Assignment Method (IPCP)

Fixed IP, and Fixed IP Address:

In most environments you should not change these settings as most ISPs provide a dynamic IP address for the router when it connects to the ISP. If your ISP provides a fixed IP address, check **Yes** and enter the IP address in the Fixed IP Address field.

Connecting to Dual ISPs

Most configuration parameters are the same as that in the last section. This page provides an **Enable Dual ISPs Function** checkbox and adds a secondary ISP Setup section. Check the box and enter the second ISP information.

> Quick Setup> Internet Access Setup <<Main Menu	
Dual ISP <<Back	
Common Settings 1. <input checked="" type="checkbox"/> Enable Dual ISPs Function 2. <input type="checkbox"/> Require ISP callback (CBCP)	PPP/MP Setup Link Type: <input type="text" value="Dialup BOD"/> PPP Authentication: <input type="text" value="PAP or CHAP"/> Idle Timeout: <input type="text" value="180"/> second(s)
Primary ISP Setup ISP Name: <input type="text" value="isp1_name"/> Dial Number: <input type="text" value="12345678"/> Username: <input type="text" value="username1"/> Password: <input type="text" value="*****"/> IP Address Assignment Method (IPCP) Fixed IP: <input type="radio"/> Yes <input checked="" type="radio"/> No (Dynamic IP) Fixed IP Address: <input type="text"/>	Secondary ISP Setup ISP Name: <input type="text" value="isp2_name"/> Dial Number: <input type="text" value="87654321"/> Username: <input type="text" value="username2"/> Password: <input type="text" value="*****"/> IP Address Assignment Method (IPCP) Fixed IP: <input type="radio"/> Yes <input checked="" type="radio"/> No (Dynamic IP) Fixed IP Address: <input type="text"/>
<input type="button" value="OK"/>	