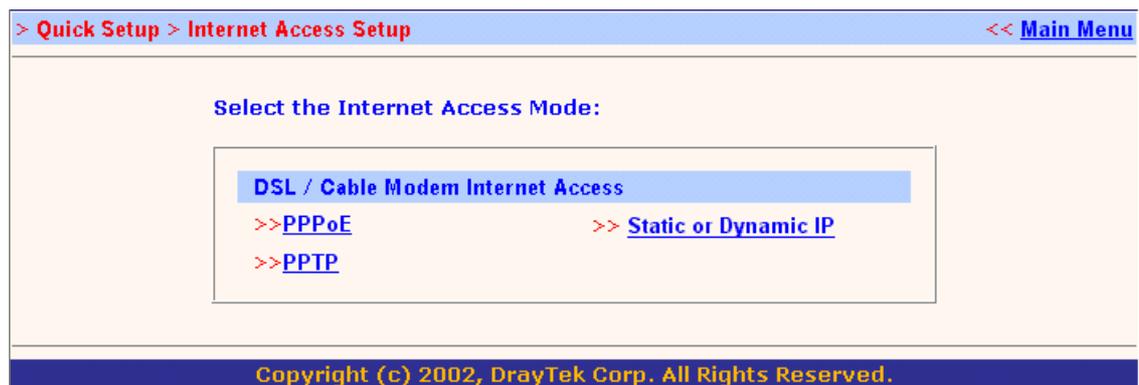

Internet Access Setup

Introduction

In the **Quick Setup** group, you can configure the router to access the Internet with different modes (e.g. PPPoE, PPTP or Dynamic/Static IP).



For most users, Internet access is the primary application. The router supports the Ethernet WAN interface for Internet access. The following sections will explain more details of various broadband access setup. When you click **Internet Access Setup** from within the **Quick Setup** group, the following setup page will be shown.



Three modes are available for Internet Access.

PPPoE: This is for most DSL modem users. All local users can share one PPPoE connection to access the Internet.

PPTP: Some DSL services providers supply a special DSL modem (e.g. Alcatel's DSL modem). This kind of modem only supports the PPTP tunnel method to access the Internet. In these cases, you create a PPTP tunnel that carries a PPP session and terminates on the DSL modem. Once the tunnel has been established, this kind of DSL modem will forward the PPP session to the ISP. As long as the PPP session is connected, all the local users will be able to share this PPP session to access to the Internet.

Static or Dynamic IP: On this page you configure the WAN interface to use a static (fixed) IP or dynamic (DHCP client) IP address. Most cable users will use the dynamic IP address mode to get a globally reachable IP address from the cable head-end system.

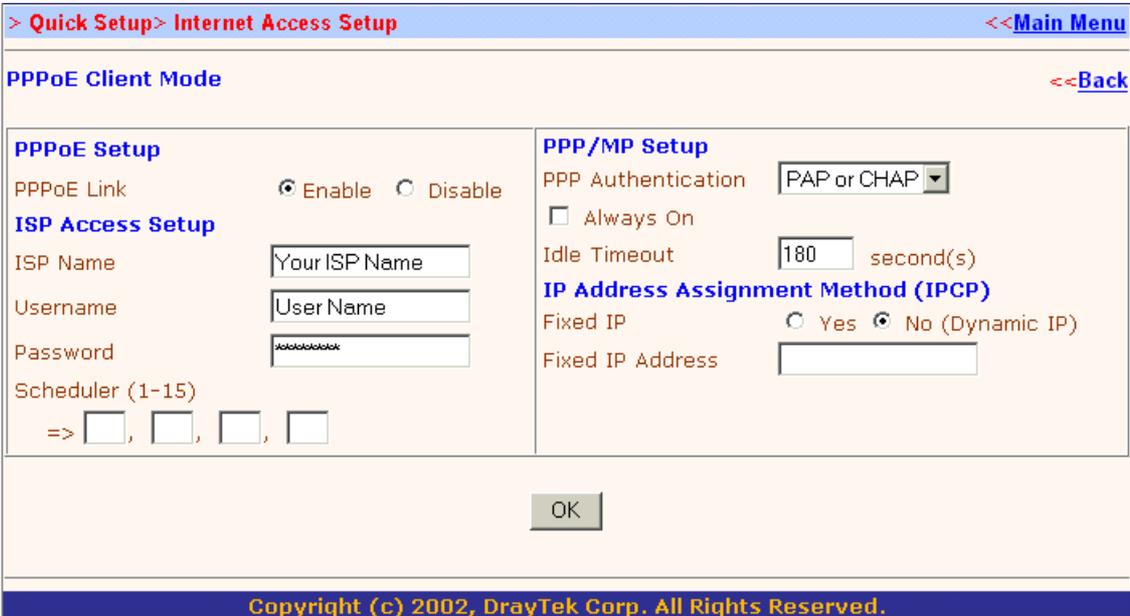
Before you connect a broadband access device, e.g. a DSL/Cable modem, to the router, you need to know what kind of Internet access is provided by your ISP.

The following sections deal with four widely-used broadband access services. These are **PPPoE Client**, **PPTP Client** and **Static IP** for DSL, and **Dynamic IP (DHCP Client)** for Cable. In most cases, you will get a DSL or Cable modem from the broadband access service provider. The router is connected behind the broadband device (i.e. DSL/Cable modem) and works as a NAT or IP router for broadband connections.

Configuration

- Using PPPoE with a DSL Modem

Click **Internet Access Setup > PPPoE** to enter the setup page.



> Quick Setup > Internet Access Setup << Main Menu

PPPoE Client Mode << Back

PPPoE Setup

PPPoE Link Enable Disable

ISP Access Setup

ISP Name

Username

Password

Scheduler (1-15)

=> , , ,

PPP/MP Setup

PPP Authentication

Always On

Idle Timeout second(s)

IP Address Assignment Method (IPCP)

Fixed IP Yes No (Dynamic IP)

Fixed IP Address

OK

Copyright (c) 2002, DrayTek Corp. All Rights Reserved.

PPPoE Setup

PPPoE Link: Check **Enable** to enable the PPPoE client protocol on the WAN interface.

ISP Access Setup

ISP Name: Enter the ISP name.

Username: Enter the ISP supplied username.

Password: Enter the ISP supplied password.

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

PPP/MP Setup

PPP Authentication: Select **PAP** or **CHAP** for widest compatibility.

Always On: Check to force the Internet access is always online, and you will see the **Idle Timeout** field will be blocked for input.

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 PPP session will not terminate itself.

IP Address Assignment Method (IPCP)

Fixed IP: Check **No (Dynamic IP)** unless your ISP has provided you with a static IP address.

Fixed IP Address: If your ISP has provided you with a static IP address enter it here.

Click **OK**.

- Using PPTP with a DSL Modem

Click **Internet Access Setup > PPTP** to enter the setup page. The following setup page is just for example. The exact settings should be provided by your DSL service provider.

PPTP Setup

PPTP Link: Check **Enable** to enable a PPTP client to establish a tunnel to a DSL modem on the WAN interface.

PPTP Server IP Address: Specifies the IP address of the PPTP-enabled DSL modem. Refer to the user manual of the PPTP-enabled DSL modem.

ISP Access Setup

ISP Name: Enter the ISP name.

Username: Enter the ISP supplied username.

Password: Enter the ISP supplied password.

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

PPP/MP Setup

PPP Authentication: Select **PAP** or **CHAP** for widest compatibility.

Always On: Check to force the Internet access is always online, and you will see the **Idle Timeout** field will be blocked for input.

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 PPP session will not terminate itself.

IP Address Assignment Method (IPCP)

Fixed IP: Check **No (Dynamic IP)** unless your ISP has provided you with a static IP address.

Fixed IP Address: If your ISP has provided you with a static IP address enter it here.

WAN IP Network Settings

Obtain an IP address automatically: Sets the WAN interface as a DHCP client that will ask for the IP network settings from the DHCP server or PPTP-enabled DSL modem.

Specify an IP address: If you are not sure whether there are any DHCP services on the LAN2/WAN interface, you also can manually assign an IP address to the interface. Note that the IP Address and Subnet Mask should be assigned within the same network as the PPTP-enabled DSL modem.

Click **OK**.

- Using a Static IP or multiple Static IPs with a DSL/Cable Modem

In this application, you receive a fixed public IP address or a public subnet (ie. multiple public IP addresses) from your DSL or Cable ISP. In most cases, a Cable ISP will provide a fixed public IP, while a DSL ISP will provide a public subnet. If you have a public subnet, you could choose an IP address or many IP address to assign to the WAN interface.

Click **Internet Access Setup > Static or Dynamic IP** to enter the setup page.

> Quick Setup> Internet Access Setup <<Main Menu

Static or Dynamic IP (DHCP Client) <<Back

<p>Access Control</p> <p>Broadband Access <input checked="" type="radio"/> Enable <input type="radio"/> Disable</p> <hr/> <p>Keep WAN Connection</p> <p><input type="checkbox"/> Enable PING to keep alive</p> <p>PING to the IP <input type="text" value="0.0.0.0"/></p> <p>PING Interval <input type="text" value="0"/> minute(s)</p> <hr/> <p>RIP Protocol</p> <p><input type="checkbox"/> Enable RIP</p>	<p>WAN IP Network Settings</p> <p><input type="radio"/> Obtain an IP address automatically</p> <p>Router Name <input type="text"/>*</p> <p>Domain Name <input type="text"/>*</p> <p>* : Required for some ISPs</p> <p><input checked="" type="radio"/> Default MAC Address</p> <p><input type="radio"/> Specify a MAC Address</p> <p>MAC Address:</p> <p><input type="text" value="00"/> . <input type="text" value="50"/> . <input type="text" value="7F"/> : <input type="text" value="32"/> . <input type="text" value="42"/> . <input type="text" value="58"/></p> <p><input checked="" type="radio"/> Specify an IP address WAN IP Alias</p> <p>IP Address <input type="text" value="211.21.180.100"/></p> <p>Subnet Mask <input type="text" value="255.255.255.248"/></p> <p>Gateway IP Address <input type="text" value="211.21.180.97"/></p>
---	--

Copyright (c) 2002, DrayTek Corp. All Rights Reserved.

Access Control

Broadband Access: Select **Enable** to turn on the broadband access capability.

Keep WAN Connection

Enable PING to keep alive: Check to enable PING to keep alive function. Normally, this function is for Dynamic IP environment. Here will ignore the settings.

RIP Protocol

Enable RIP: Check to turn RIP packets exchange on WAN interface. For most Internet access, you don't need to check the option.

WAN IP Network Settings

Specify an IP address: As we are using a static IP, you have to select the option to specify an IP Address, Subnet Mask, and Gateway IP Address.

Click **OK**.

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.	v	211.21.180.100	v
2.	<input checked="" type="checkbox"/>	211 . 21 . 180 . 101	<input checked="" type="checkbox"/>
3.	<input type="checkbox"/>	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	<input type="checkbox"/>
8.	<input type="checkbox"/>	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	<input type="checkbox"/>

Close Clear All OK

- Using a Dynamic IP (DHCP Client) with a DSL/Cable Modem

This application is mostly used by Cable ISPs. Click **Internet Access Setup > Static or Dynamic IP** to enter the setup page.

Access Control

Broadband Access: Select **Enable** to turn on the broadband access capability.

Keep WAN Connection

Enable PING to keep alive: Check to enable PING to keep alive function. Normally, this function is for Dynamic IP environment. If you need to enable the function, assign a public IP address in the **PING to the IP** and a timer in the **PING Interval**.

RIP Protocol

Enable RIP: Check to turn RIP packets exchange on WAN interface. For most Internet access, you don't need to check the option.

WAN IP Network Settings

Obtain an IP address automatically: The option must be enabled.

Router Name: Depending on your Cable ISP this option may or may not be left blank. Some ISPs require this name for access authentication.

Domain Name: Depending on your Cable ISP this field may or may not be left blank.

Default MAC Address & Specify a MAC Address: These two options are mutually

exclusive. Some Cable ISPs use a specific MAC address for access authentication. In such cases you need to check the **Specify a MAC Address** box and enter the MAC address in the MAC Address fields.

Click **OK** and restart the router to allow the settings to take affect.