

Dynalink RTA020 ADSL Router Quick Set Up Guide

Important

This Guide is intended to get you started quickly. We have pre-configured the router for the Telecom ADSL network. All you need is to follow through the steps we describe here.

This Guide must be read in conjunction with the User Manual (A126.PDF). This file which can be found on the provided CDROM. Experienced users who prefer a different configuration, or wanting to use applications that require user set up, they should refer to the User Manual. We have drawn up a table in Section III to assist you in finding the relevant material.

Contents inside this box:

- RTA020 router
- Power adapter
- ADSL line cord
- Ethernet cable
- Utility CDROM (User Manual included)

I. Default Configuration

We have pre-configured this router to the following settings. If you accept the settings, all you need to do is to follow the next section.

Router IP address	192.168.1.1	
Subnet mask	255.255.255.0	
VPI	0	(do not change)
VCI	100	(do not change)
Encapsulation	PPPoA VC-MUX	(do not change)
Operating mode	G.dmt	(do not change)
Dynamic WAN IP	dynamic	
DHCP	off	
NAT	on	

For router management:

User name	admin
Password	private

Users must not change VPI, VCI, Encapsulation and Operating Mode settings. These settings must be used for connection to the Telecom ADSL network. Experienced users who have other setup preferences should refer to the User Manual (A126.PDF) on the provided CDROM.

II. Installing Router

IMPORTANT- Before you start

Make sure your computer has these installed:

- Network interface card (NIC)
- TCP/IP protocol.

Other than attaching to a host computer the router can be connected to an uplink port of a network hub. If the hub has no uplink port available, a cross-over Ethernet cable must be used. This cable is not provided.

A web browser is required to enter your Internet account user name & password. Make sure your web browser is Internet Explorer 5.0/Netscape 6 or better. Install either Explorer 5.5 or Netscape 6 from the provided CDROM if your computer does not have a suitable browser.

Remember to obtain these from your ISP:

- Login user name and password
- Public IP address (only if you subscribe for static IP)
- DNS server IP.

Step 1. Connect it up

If you require a step-by-step guide for this please refer to Page 5 **Chapter 2 Hardware Description & Installation** of the User Manual.

- Connect the **DSL** port of the router into your ADSL jackpoint (telephone wall socket) with the provided ADSL line cord. **Never connect through an ADSL micro filter.**
- Connect the **LAN** port of the router and the Ethernet port of your computer (or uplink port of a network hub) with the Ethernet cable provided.
- Connect the supplied 16VAC power adapter to the **PWR** jack of router, and plug the adapter into a mains power outlet. Switch on router.

Make sure the LAN light on the front panel of router is on. Otherwise it suggests a problem with the Ethernet connection.

Step 2. Prepare your computer

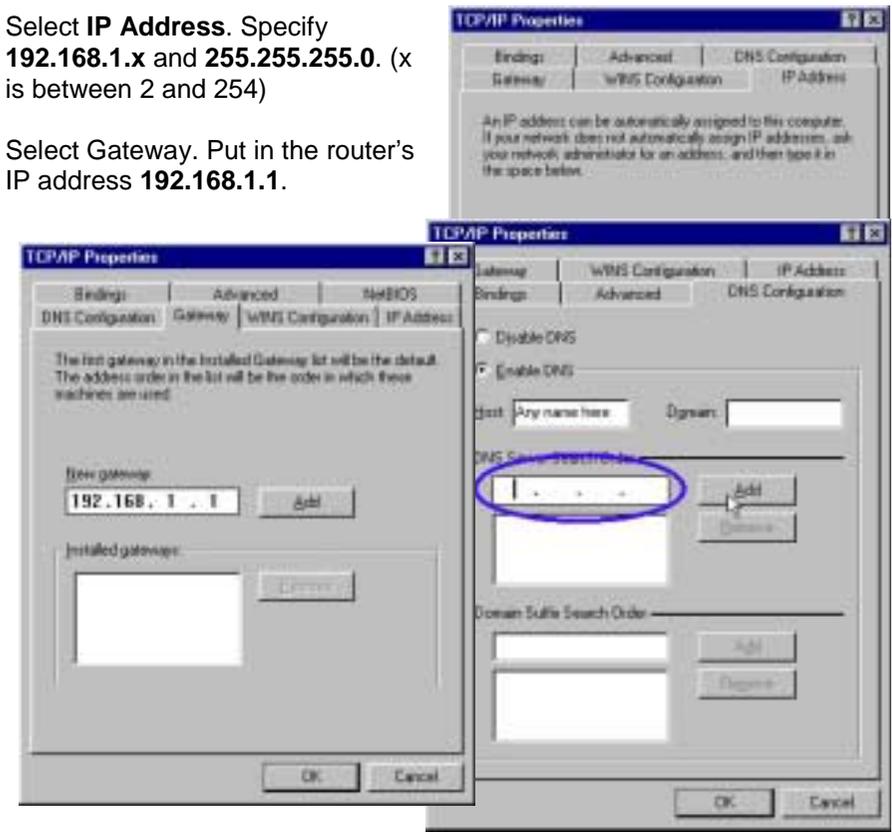
Set your computer's IP address to 192.168.1.x (x is between 2 and 254) and Subnet mask 255.255.255.0. Add gateway as 192.168.1.1 and enter DNS server IP. A step-by-step guide can be found on Page 19 **Chapter 4**



Setting Up PC on the LAN of the User Manual. The following is an example for Windows 98/Windows ME:

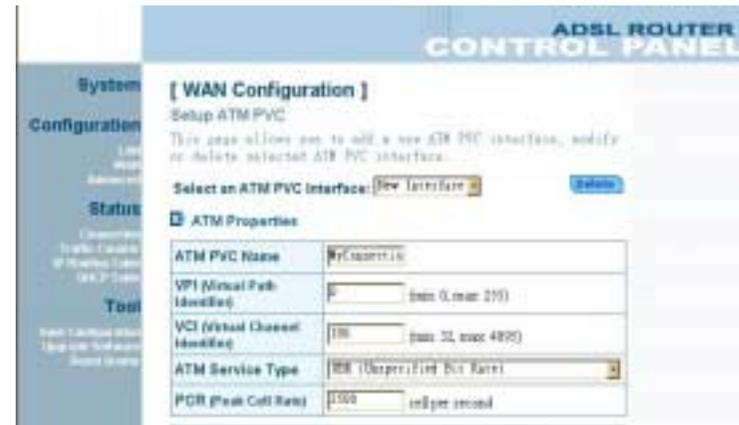
- From **Control Panel**, double click **Network**.
- Scroll down to highlight **TCP/IP -> (your network card)**. Click on **Properties**.

- Select **IP Address**. Specify **192.168.1.x** and **255.255.255.0**. (x is between 2 and 254)
- Select **Gateway**. Put in the router's IP address **192.168.1.1**.



- Select **DNS Configuration**, click **Enable DNS**. Type in any name for host. Put in your ISP's DNS address. Click **Add**. A second DNS address (if specified) can be added in a similar way.
- In case you do not have a DNS address from your ISP, you may use one of the following:
150.199.1.11
128.206.2.252
131.151.254.243
- Click **OK** & then **OK** to exit. Windows may ask for the Windows CDROM and will ask to restart. Answer **Yes**.

Go to **Configuration > WAN > ATM PVC > Setup ATM PVC**. Select the pre-configured "MyConnection" PVC Interface as shown in the figure.



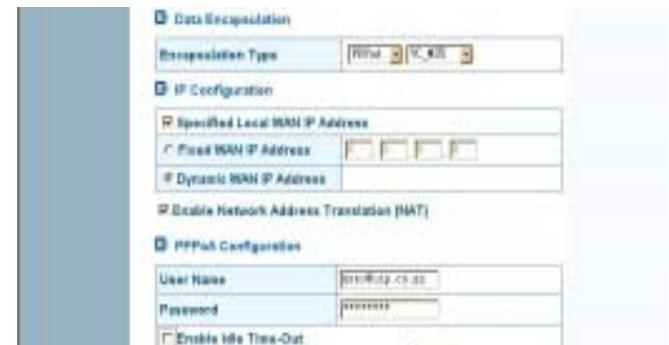
Step 3. Use web browser to configure router

Start your web browser and type the private IP address of the router
http://192.168.1.1.

You will be prompted to enter User Name and Password. By default, user name is **admin** and password is **private**.



Next scroll down to locate PPPoA Configuration. Edit the **User Name** and **Password** fields using the user name and password specified by your ISP, scroll down and click **Submit**.



Step 4. Enter Internet account User Name and Password

Step 5. Save configuration

Go to **Tool > Save Configuration**. Click on **Save**. Next go to **Tool > Reset Router**. Make sure the “Reset to factory default settings” box is **NOT** ticked. Click **Restart**. *Note- if you reset to factory default the configuration will be lost!*

When router restarts the DSL light on the front panel turns solid normally within one minute. This means router has already established link to the telephone exchange and will attempt to log in using you Internet account information. Subject to successful authentication you can start browsing. Observe that the DATA light flashes as data get through.

If nothing happens return to Step 4. Scroll down to the bottom of page and click **Connect**. Soon after that you should be able to observe data getting through.

Any time if you want to check the connection status, go to **Status > Connection > PPP**. The picture here shows router logged in.



Enable routing RIP v1/v2	Page 49 Section 6.2.3
Modify ISP login name or password	Page 51 Section 6.3.2
Change from Dynamic to Static WAN IP	Page 51 Section 6.3.2
Modify user name or password for router management	Page 57 Section 6.4.1
Set static routing table	Page 58 Section 6.4.2
Set IP packet filtering (NAT)	Page 61 Section 6.4.3
Set virtual server (NAPT); Run applications such as Netmeeting, IRC, Quake, FTP/Mail/Web server	Page 64 Section 6.4.4
Get connection status	Page 66 Section 6.5
Get connection statistics	Page 71 Section 6.5.4
Show routing table	Page 73 Section 6.5.5
Show DHCP table	Page 74 Section 6.5.6

III. Experienced users

Refer to these sections of User Manual if you want to.....

Configure PC to get IP from DHCP	Page 34 Section 4.2
Use the Web Configuration Manager	Page 41 Chapter 5
Change the private IP address of the router	Page 46 Section 6.2.1
Enable DHCP	Page 47 Section 6.2.2

IV. Indicator lights

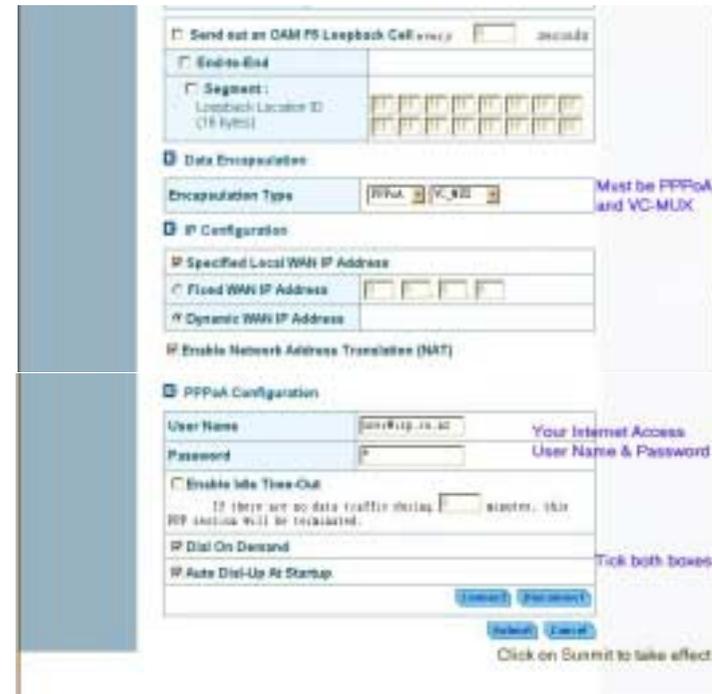
There are five indicator lights on the front panel of the router:

Indicator	Function	Description
PWR	Power	Off - No power.

		On - Power is on.
DIAG	Diagnosis	Off - Self-test OK. Blinking – Software upgrade in progress. On - Self-test failed.
LAN	Network Link	Off - Ethernet not present. Blinking – data going through port. On - Ethernet is present.
DSL	Link Status	Slow blinking - handshaking in progress. Quick blinking - training in progress. On - Linked to DSLAM at exchange.
DATA	Data Status	Off - No data. Blinking – Sending or receiving data.

V. Reconfigure router after reset to factory default

If it happens that router has been reset to factory default, restore the NZ configuration you will require to connect. Go to **Configuration > WAN > ATM PVC > Setup ATM PVC**:



Next go to **Configuration > Advanced > IP Static Routing > Setup**:



To save configuration, follow Step 5 of Section II.

VI. How to get help

Always check that your hardware is installed correctly. ***Check our web site for the latest information and troubleshooting guide.*** If you have difficulties, contact Dynalink Technical Support for issues relating to router installation and operation:

Phone: 0800 653 962 (Mon-Fri, 9am-4pm)
Fax: 0800 503 962
Email: support@dynalink.co.nz
Web: <http://www.dynalink.co.nz>

Warranty

Dynalink Modems Ltd warrants this product against defects in materials and workmanship for a period of twelve months from the original date of purchase. We will, at our discretion, repair or replace the faulty unit, free of charge, provided it is returned to us with proof of purchase from an authorised dealer within the warranty period. Return delivery after repair will be paid for by Dynalink Modems Ltd within New Zealand. We reserve the right not to repair or replace goods that:

- have been mishandled, abused or not installed according to the guidelines as outlined in the instructions.
- have been subjected to a power surge from other equipment or other external factors.
- have been altered or modified.