



AT-AR256E ADSL ROUTER

QUICK START GUIDE
Software Version 45.12.1
Document Version 1.0

Allied Telesyn. Networking systems.
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 **Important:**

This Quick Start Guide was written to allow you to complete a basic setup configuration for the Allied Telesyn AT-AR256E ADSL router. At which point you should have access to the Internet via the ISP account that you have already organized.

This router was designed to be compatible with the Telecom and Telstraclear's ADSL networks.

The full product manual can be downloaded from:

<http://www.alliedtelesyn.net.nz/Products/adsl1.htm>

Latest New Zealand Quick documentation and SW updates can be downloaded from:

<http://www.alliedtelesyn.net.nz/products/adsl1.htm>



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A. Contents

Check that you have received the following items in the AT-AR256E pack.

1. AT-AR256E Router.
2. 240 VAC to 9VDC power adapter.
3. ADSL Phone Cable (BT to RJ11).
4. Ethernet Patch Cable (RJ45 to RJ45).
5. AT-256E Installation Manual and Quick Start Guide.





B. Pre-Installation


-  Check that the PC you are using to complete this initial setup has a working Ethernet port and that the IP protocol is installed.
-  Have your ISP account details available. This is to include the ADSL login and password information.
-  Have an ADSL line filter installed onto the incoming telephone line. This can be done once for the premises in which case there will be an ADSL outlet provide by the installer. Alternatively, filters can be plugged into all phone outlets on that line and the phones plugged into the filter. A filter is **not** required on the phone outlet that the ADSL router is to use.



C. Connection

-  Using the Ethernet patch cable connect the PC's NIC interface to the router's Ethernet port, an RJ45 socket. Plug the power pack into a mains outlet and connect the DC power cable to the 9VDC power socket on the router.
-  Use the telephone cable to connect the ADSL socket on the router to the ADSL wall outlet supplied by Telecom or to a non-filtered telephone wall outlet making sure that all other telephone outlets are now equipped with filters.
Turn on power to the PC and the router.

D. Getting Started

-  The AT-AR256E ADSL router is configured via a web browser preferably Microsoft's Internet Explorer 5.0 or later. Remember to disable any proxy settings.

The default IP address of the AT-AR256E ADSL router is 192.168.1.1. Enter this address into your browser's address bar and press enter. You should receive the Modem Access Screen from the router as shown in **Figure 1**.

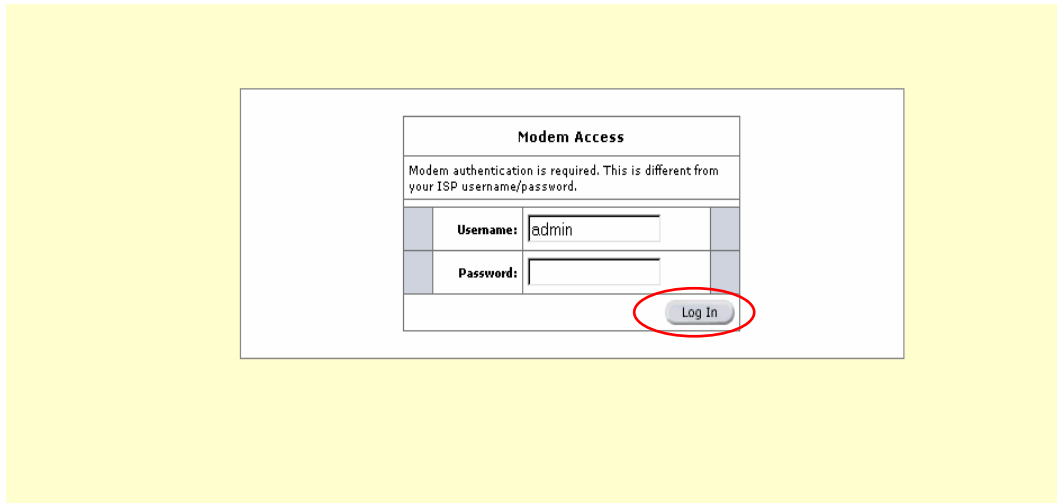



Figure 1

-  The default logon username is **admin** and password is **admin**. The username is already entered for you, type the password and click on "**Log In**".

-  The **Quick Start** page will appear if the login has been successful, as shown in **Figure 2**.

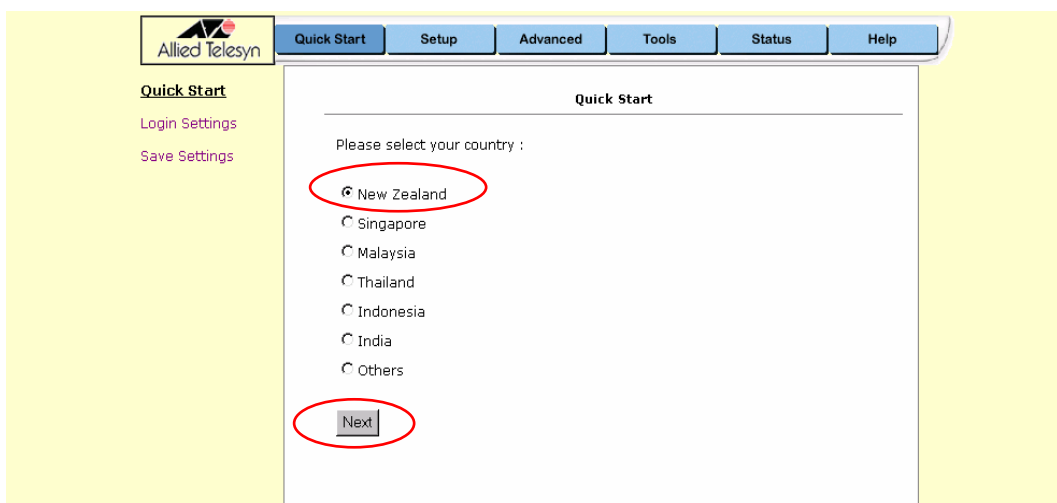


Figure 2

Select the country where this router is to be operated in and click on "**Next**".



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-  The default settings for the country you selected are displayed. To continue, click on Next. The quick start, Login Settings screen will be displayed, as shown in **Figure 3**.

Figure 3



-  The ADSL *Username* and *Password* supplied by your ISP must be entered into the User ID and Password fields here. When ready click on “**Connect**”, refer to **Figure 4**

Figure 4

-  If the above information is correct and the ADSL line and its filter are correctly installed the router will attempt to establish an ADSL connection to your ISP.

- While this process is underway, a screen stating “Trying to connect to ISP...” will be displayed.


Once the connection has been successfully completed the, “Connections” screen will appear. This screen will display the connection name, type, the IP address allocated to the connection and the status of the connection as shown in **Figure 5**. Upon connection being established, under the State will show “**connected**”. This process can take up to 40 seconds.

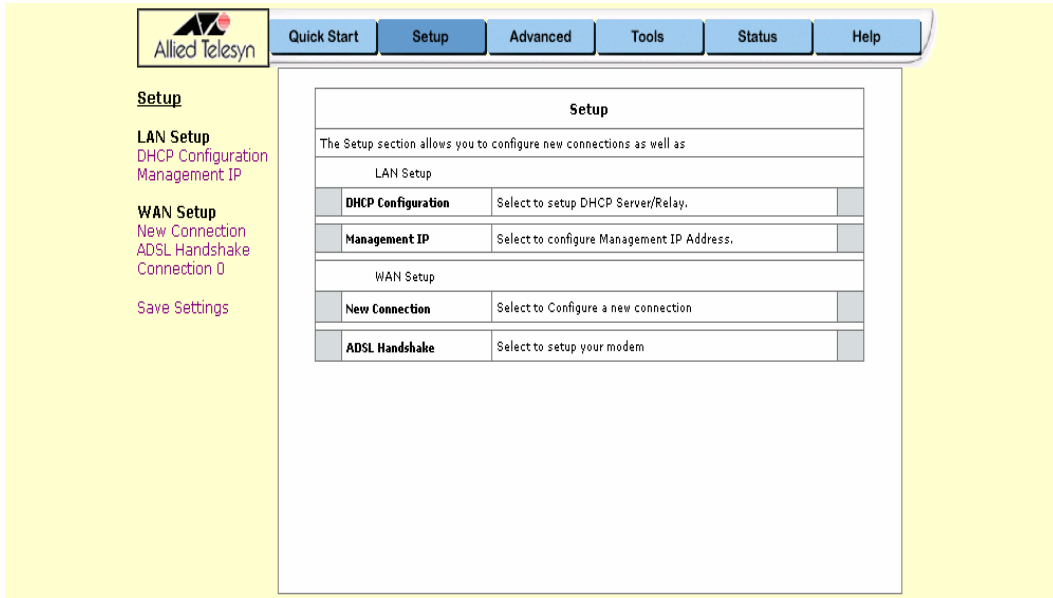
- At this point it is advisable to click on the “**Save Settings**” command to save the configuration information installed so far.

The screenshot shows the Allied Telesyn web interface. At the top, there is a navigation bar with tabs: Quick Start, Setup, Advanced, Tools, Status, and Help. On the left sidebar, under 'Quick Start', there are links for 'Login Settings' and 'Save Settings' (circled in red). The main content area displays a table titled 'Connections (1)'. The table has columns: Description, Type, IP, State, Online, and Disconnect Reason. A single row is shown with the following data: Description: quick_start, Type: pppoa, IP: 203.79.125.119, State: Connected (circled in red), Online: 0hr 14min 5sec, Disconnect Reason: N/A. There are 'Disconnect' and 'Refresh' buttons at the bottom right of the table.

Description	Type	IP	State	Online	Disconnect Reason
quick_start	pppoa	203.79.125.119	Connected	0hr 14min 5sec	N/A


Figure 5

 Next, select “**setup**” from the top row of tabs, the page shown in **Figure 7** will appear.



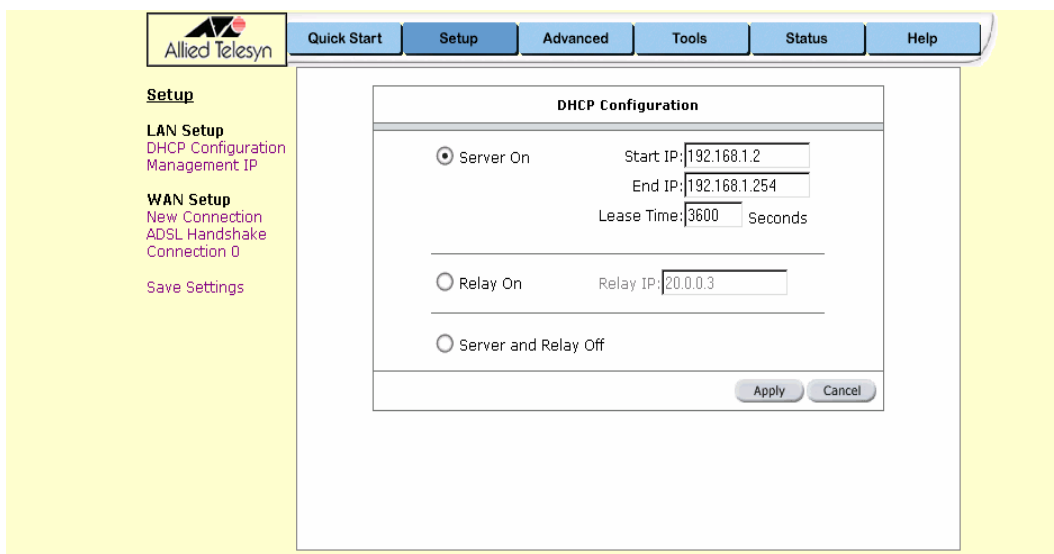
Setup	
The Setup section allows you to configure new connections as well as	
LAN Setup	
DHCP Configuration	Select to setup DHCP Server/Relay.
Management IP	Select to configure Management IP Address.
WAN Setup	
New Connection	Select to Configure a new connection
ADSL Handshake	Select to setup your modem

Figure 7

 You now need to decide what IP address range you intend to use and how IP address allocation is going to be done on your LAN network.

By default, the AT-AR256E is configured for the IP address range 192.168.1.0 with a mask of 255.255.255.0. Also by default, DHCP is on. DHCP is an automated method of allocating IP addresses to PCs as they boot up.

If you wish to change either of these settings, click on “**DHCP Configuration**”, refer to **Figure 8**.



DHCP Configuration	
<input checked="" type="radio"/> Server On	Start IP: 192.168.1.2 End IP: 192.168.1.254 Lease Time: 3600 Seconds
<input type="radio"/> Relay On	Relay IP: 20.0.0.3
<input type="radio"/> Server and Relay Off	
Apply Cancel	


Figure 8

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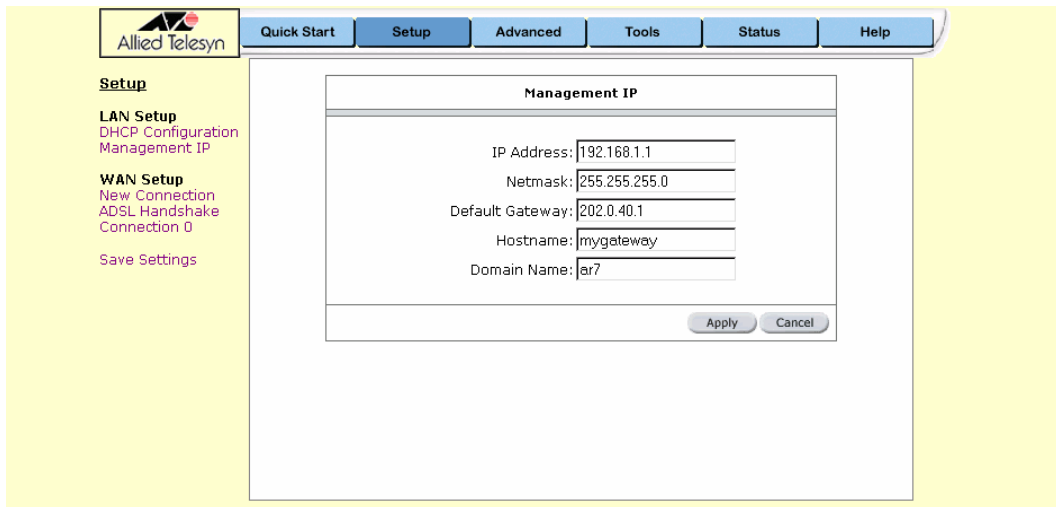


It can take up to 10 seconds for all the fields to show their information.

The DHCP Configuration screen allows you to turn DHCP off or on. Click on Apply once you have completed making changes.

 To change the address of the router or the whole address range, click on **“Management IP”**, refer to **Figure 9**

By changing the IP address and mask of the router here you will need to change your “Gateway” setting on the LAN devices E.g. PCs or Firewall. The host name of the router and domain name of the network can also be recorded here. Click on **“Apply”** once you have made any changes.

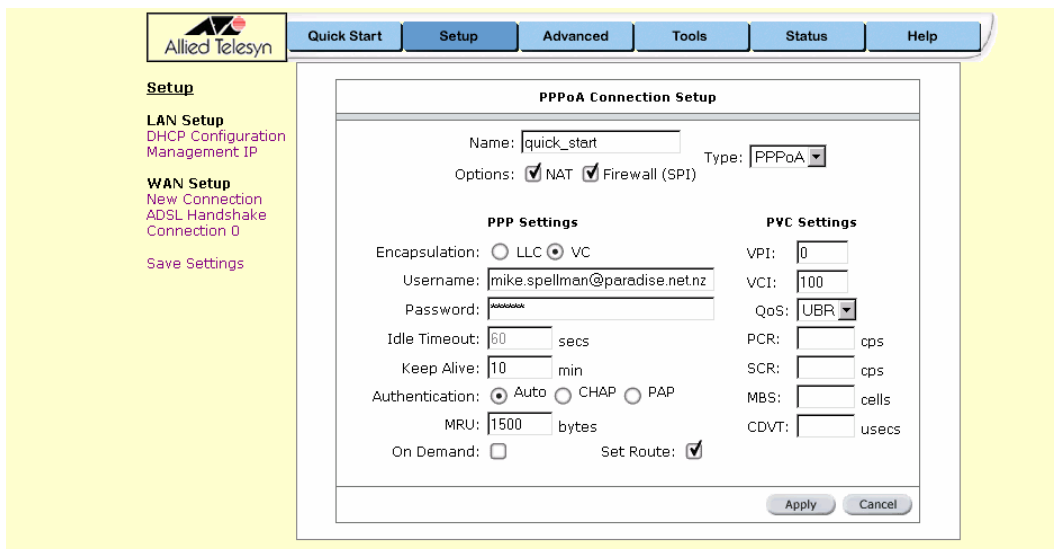


The screenshot shows the 'Management IP' configuration window. The interface includes a top navigation bar with 'Quick Start', 'Setup', 'Advanced', 'Tools', 'Status', and 'Help'. On the left, there is a sidebar with 'Setup' and sub-sections for 'LAN Setup' (DHCP Configuration, Management IP) and 'WAN Setup' (New Connection, ADSL Handshake, Connection 0). The main area contains the 'Management IP' form with the following fields:

- IP Address: 192.168.1.1
- Netmask: 255.255.255.0
- Default Gateway: 202.0.40.1
- Hostname: mygateway
- Domain Name: ar7

Buttons for 'Apply' and 'Cancel' are located at the bottom right of the form.

Figure 9



The screenshot shows the 'PPPoA Connection Setup' window. The interface includes a top navigation bar with 'Quick Start', 'Setup', 'Advanced', 'Tools', 'Status', and 'Help'. On the left, there is a sidebar with 'Setup' and sub-sections for 'LAN Setup' (DHCP Configuration, Management IP) and 'WAN Setup' (New Connection, ADSL Handshake, Connection 0). The main area contains the 'PPPoA Connection Setup' form with the following fields:

- Name: quick_start
- Type: PPPoA
- Options: NAT Firewall (SPI)
- PPP Settings:
 - Encapsulation: LLC VC
 - Username: mike.spellman@paradise.net.nz
 - Password: [masked]
 - Idle Timeout: 60 secs
 - Keep Alive: 10 min
 - Authentication: Auto CHAP PAP
 - MRU: 1500 bytes
 - On Demand:
- PVC Settings:
 - VPI: 0
 - VCI: 100
 - QoS: UBR
 - PCR: [] cps
 - SCR: [] cps
 - MBS: [] cells
 - CDVT: [] usecs
- Set Route:

Buttons for 'Apply' and 'Cancel' are located at the bottom right of the form.

Figure 10

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Now, click on **Connection 0**. It may take up to 10 seconds before all the fields are updated with current data, refer to **Figure 10**.

Here we can check the WAN or ADSL settings that have been configured so far. Small changes can be made here quickly without restarting the whole procedure. It may be useful to change the name of this connection to something more meaningful or descriptive. Click on **Apply** once you have completed making changes.

You should then click on the **Save Settings** button to save the configuration.

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E. Help

Always check that the router is installed properly. Check the website for information and how to troubleshoot the router. If you have difficulties contact your reseller or distributor for technical assistance relating to warranties, installation and operation. They will escalate the problem through the appropriate channels.

Allied Telesyn New Zealand Distributors are



Connector Systems Ltd
5A Pacific Rse
Mt Wellington Auckland
Free Phone: 0508 Call CSL

Website : <http://www.connectorsystems.co.nz>
Email : sales@connectorsystems.co.nz

Renaissance Wholesale
Renaissance Ltd
92 Beachcroft Ave
Onehunga Auckland
Free Phone: 0800 800 905

Website : <http://www.renaissance.co.nz>
Email : info@renaissance.co.nz

Allied Telesyn
Phone: 04 566 4438 (Mon-Fri, 9am-4pm)

Web : <http://www.alliedtelesyn.net.nz>
Emai : support@alliedtelesyn.net.nz
Knowledge Base : <http://kb.alliedtelesyn.com>

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