



Model # AR504

Quick Installation Guide

Ver. 1A

Section 1

This Quick Installation Guide only provides the basic instructions. For more detailed information, please refer to the user's manual on the supplied CD.

Connect the Router

Note: Prior to connecting the router, be sure to power off your computer, DSL/Cable modem, and the router.

Step 1 Connect one end of a network cable to the **WAN** port of the router and connect the other end of the cable to the DSL/Cable modem.

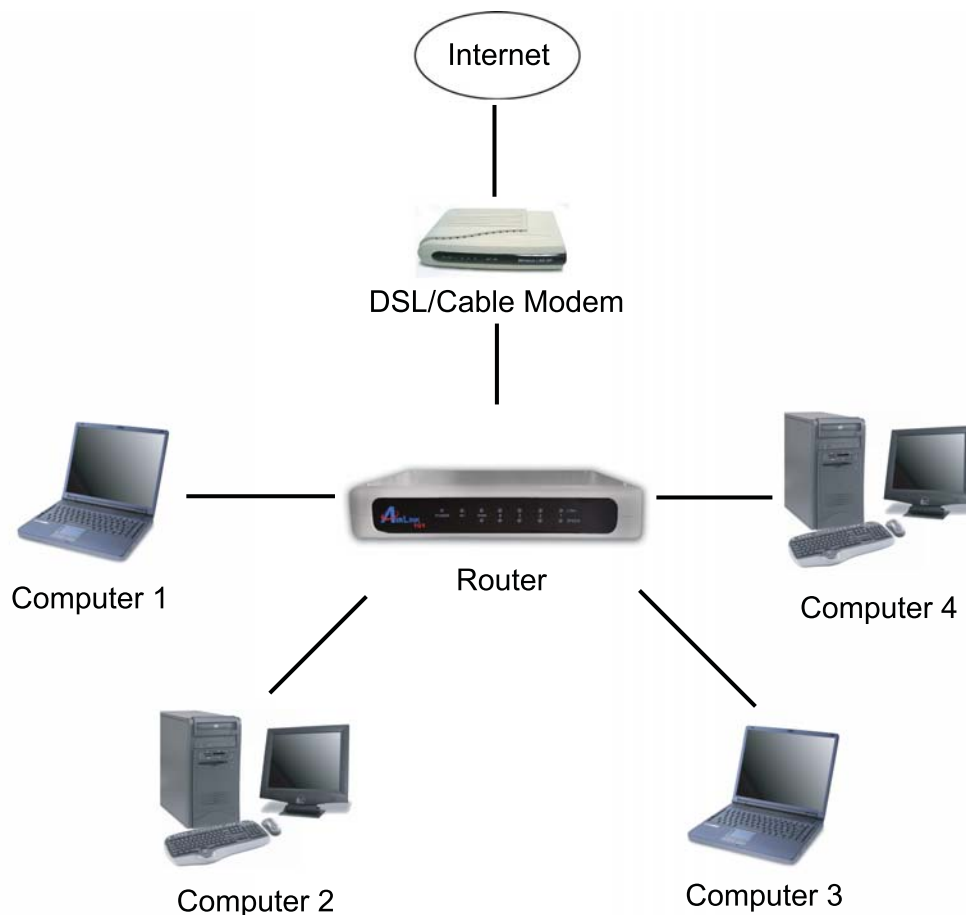
Step 2 With another network cable, connect one end of the cable to your computer's network card and connect the other end to one of the **LAN** ports of the router.

Step 3 Power on the DSL/Cable modem and wait for the lights on the modem to settle down.

Step 4 Power on the router by connecting one end of the supplied power adapter to the power jack of the router and connecting the other end to an electrical outlet.

Step 5 Power on your computer.

Step 6 Make sure the **WAN** and the **LAN** port that the computer is connected to are lit. If not, try the above steps again.

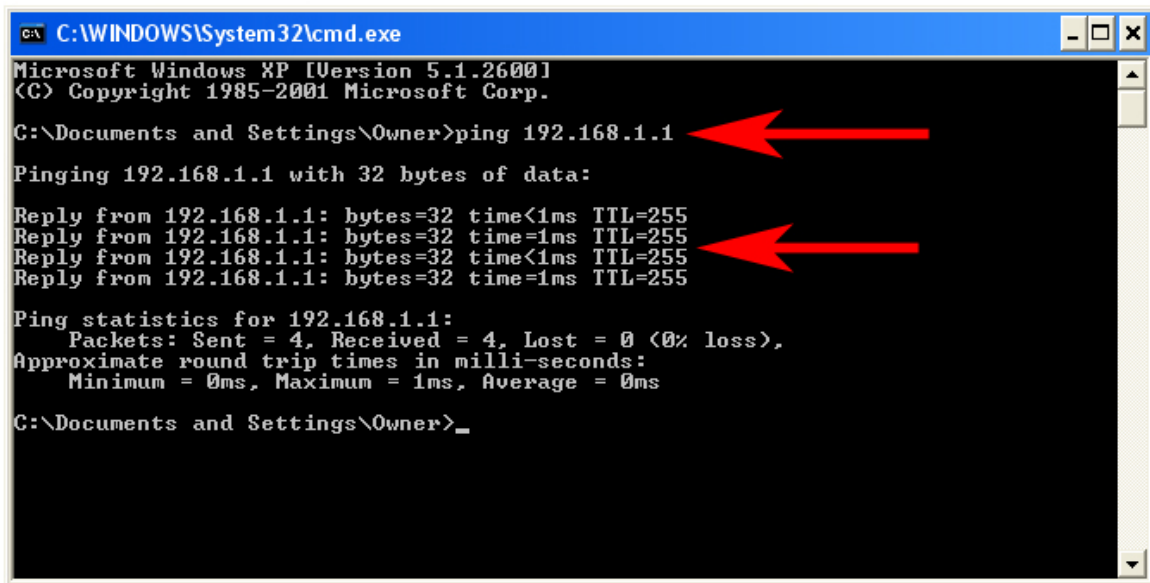


Section 2

Verify Connection to Router

Step 1 Go to **Start, Run**, type **command** (for Windows 95/98/ME) or **cmd** (for Windows 2000/XP) and click **OK**. You will see the command prompt as below.

Step 2 Type **ping 192.168.1.1** and press **Enter**. You should get four reply responses back.



```
C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

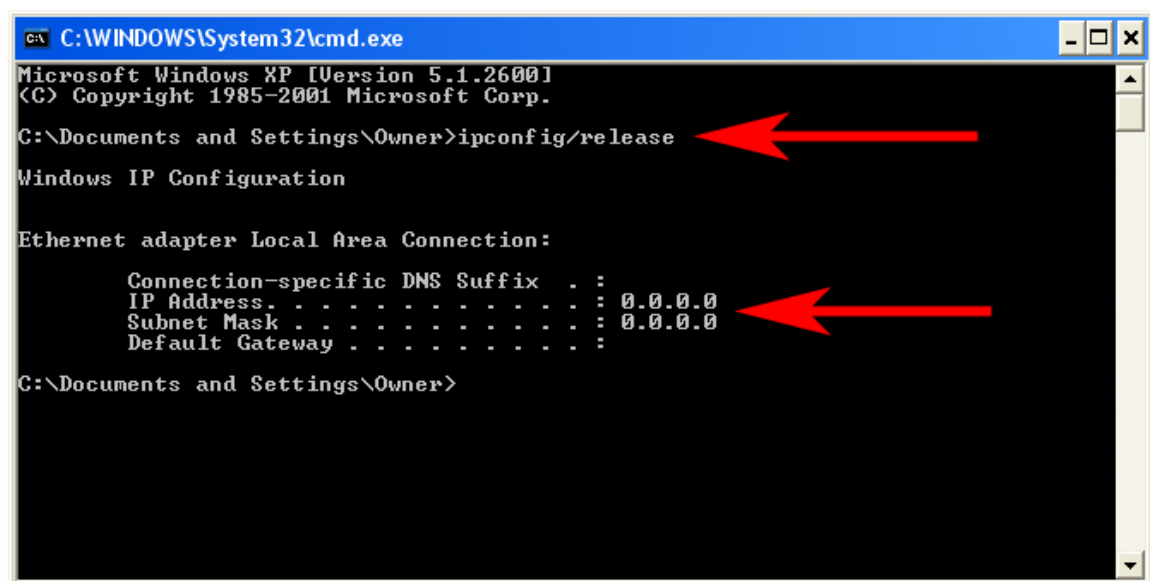
C:\Documents and Settings\Owner>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Documents and Settings\Owner>
```

Step 3 If you get **Request timed out**, or **Destination host unreachable**, double-check the network cable connection between the computer and the router and try **Step 2** again. If you still encounter problem, go to the next step; otherwise proceed to **Section 3, Configure the Router**.

Step 4 For Windows 2000/XP, type **ipconfig/release** and press **Enter**.



```
C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

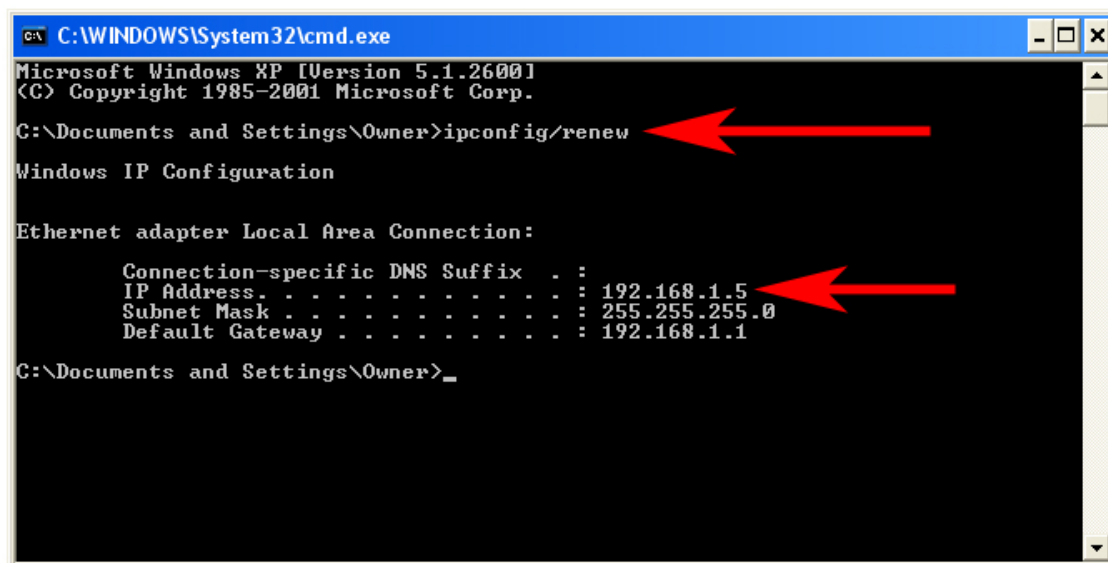
C:\Documents and Settings\Owner>ipconfig/release
Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . : 
    IP Address . . . . . : 0.0.0.0
    Subnet Mask . . . . . : 0.0.0.0
    Default Gateway . . . . . : 

C:\Documents and Settings\Owner>
```

Step 5 Type **ipconfig/renew** and press **Enter**. You should get an IP address of **192.168.1.x** (where **x** is a number between 2 - 254). Proceed to **Section 3, Configure the Router**. If you don't get an IP address, reset the router by holding in the reset button at the back of the router for 10 seconds while it is ON and try **ipconfig/renew** again.



```
C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Owner>ipconfig/renew

Windows IP Configuration

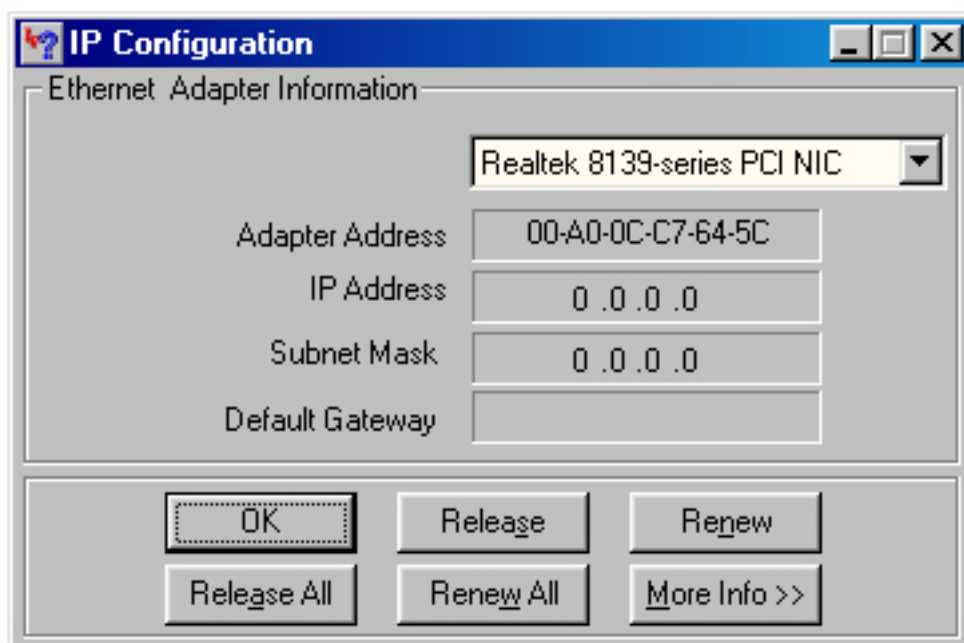
Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . .               : 192.168.1.5
    Subnet Mask . . . . .             : 255.255.255.0
    Default Gateway . . . . .         : 192.168.1.1

C:\Documents and Settings\Owner>
```

Step 6 For Windows 95/98/ME go to **Start, Run**, type **winipcfg** and click **OK**.

Step 7 Select your network card from the drop-down menu and click **Release**.



Step 8 After your IP address is released, click **Renew**. You should get an IP address of **192.168.1.x** (where **x** is a number between 2 - 254). If you don't get an IP address, reset the router by holding in the reset button at the back of the router for 10 seconds while it is ON and try **Renew** again.

IP Configuration

Ethernet Adapter Information

Realtek 8139-series PCI NIC

Adapter Address: 00-A0-0C-C7-64-5C

IP Address: 192.168.1.101

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

Buttons: OK, Release, Renew, Release All, Renew All, More Info >>

Section 3

Configure the Router

Step 1 Open the web browser and type **192.168.1.1** in the URL Address field and press **Enter**.

Step 2 Enter **admin** for the password field and click **Log in**.

AIRLINK 101
networkingsolutions

User's Main Menu

Status

System Password
(default: admin)

Log in

4-PORT INTERNET BROADBAND ROUTER

System Status

Item	WAN Status	Sidenote
Remaining Lease Time	00:00:00	
IP Address	0.0.0.0	
Subnet Mask	0.0.0.0	
Gateway	0.0.0.0	Unreachable
Domain Name Server	0.0.0.0	

Statistics of WAN	Inbound	Outbound
Octets	0	42
Unicast Packets	0	0
Non-unicast Packets	0	1

Help Refresh Device Time: Thu Jul 01 00:00:12 2004

Step 3 Click on **Wizard** from the main menu to open the Setup Wizard.

Step 4 Click **Next** to begin the Setup Wizard.

Step 5 Select your **WAN Type** (Internet Connection Type) and click **Next**. If you are not sure what your Internet Connection Type is, please contact your Internet Service Provider (ISP) for assistance.



Setup Wizard - Select WAN Type

- ☒ ISP assigns you a static IP address. (Static IP Address)
- ☐ Obtain an IP address from ISP automatically. (Dynamic IP Address)
- ☐ Dynamic IP Address with Road Runner Session Management. (e.g. Telstra BigPond)
- ☐ Some ISPs require the use of PPPoE to connect to their services. (PPP over Ethernet)
- ☐ Some ISPs require the use of PPTP to connect to their services. (PPTP)
- ☐ Some ISPs require the use of L2TP to connect to their services. (L2TP)

< Back Undo Next >

Static IP

If your ISP provided you with a static IP address, select **ISP assigns you a static IP address (Static IP Address)** and click **Next**. Proceed to **Step 6, Static IP**.

Cable Modem

If you use cable modem, select **Obtain an IP address from ISP automatically (Dynamic IP Address)** and click **Next**. Proceed to **Step 6, Cable Modem**.

Road Runner

If your ISP is running Road Runner Session Management, select **Dynamic IP Address with Road Runner Session Management (e.g. Telstra BigPond)** and click **Next**. Proceed to **Step 6, Road Runner**.

DSL

If you use DSL, select **Some ISPs require the use of PPPoE to connect to their services (PPP over Ethernet)** and click **Next**. Proceed to **Step 6, DSL**.

PPTP

If you use PPTP, select **Some ISPs require the use of PPTP to connect to their services (PPTP)** and click **Next**. Proceed to **Step 6, PPTP**.

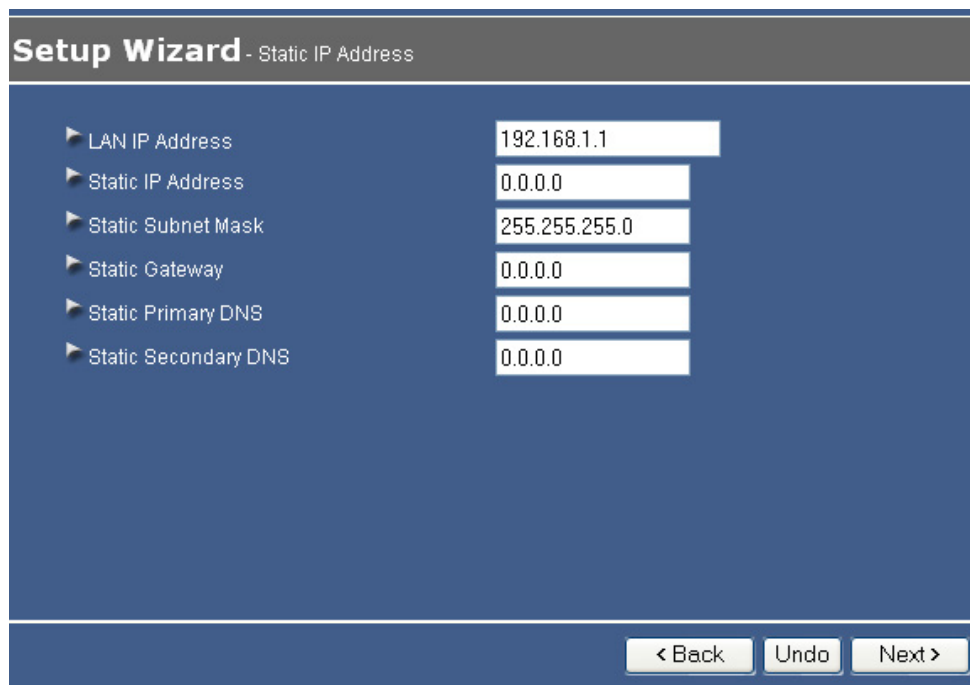
L2TP

If you use L2TP, select **Some ISPs require the use of L2TP to connect to their services (L2TP)** and click **Next**. Proceed to **Step 6, L2TP**.

Step 6 Follow the steps below according to your Internet Connection Type.

Static IP

Fill in the applicable fields according to the information provided by your ISP. Click **Next** when done and proceed to **Step 7**.

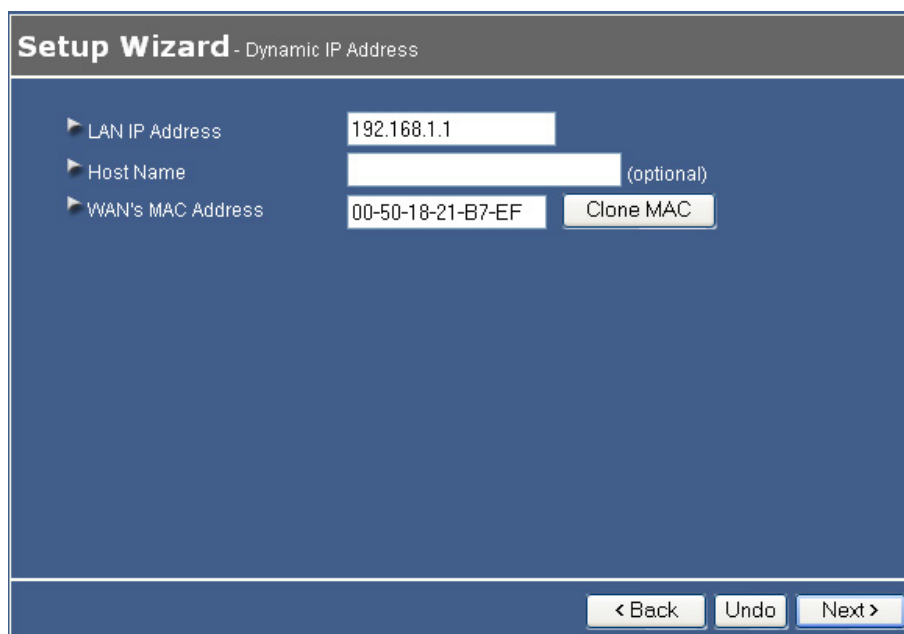


The screenshot shows the 'Setup Wizard - Static IP Address' window. It has a dark blue header with the title. Below the header, there are six rows of configuration fields, each with a small triangle icon to its left. The fields are: LAN IP Address (192.168.1.1), Static IP Address (0.0.0.0), Static Subnet Mask (255.255.255.0), Static Gateway (0.0.0.0), Static Primary DNS (0.0.0.0), and Static Secondary DNS (0.0.0.0). At the bottom right, there are three buttons: '< Back', 'Undo', and 'Next >'.

Field	Value
LAN IP Address	192.168.1.1
Static IP Address	0.0.0.0
Static Subnet Mask	255.255.255.0
Static Gateway	0.0.0.0
Static Primary DNS	0.0.0.0
Static Secondary DNS	0.0.0.0

Cable Modem

If your ISP has provided you with a host name, enter it in the **Host Name** field. If your ISP requires a registered MAC Address, click on the **Clone MAC** button. Click **Next** when done and proceed to **Step 7**.

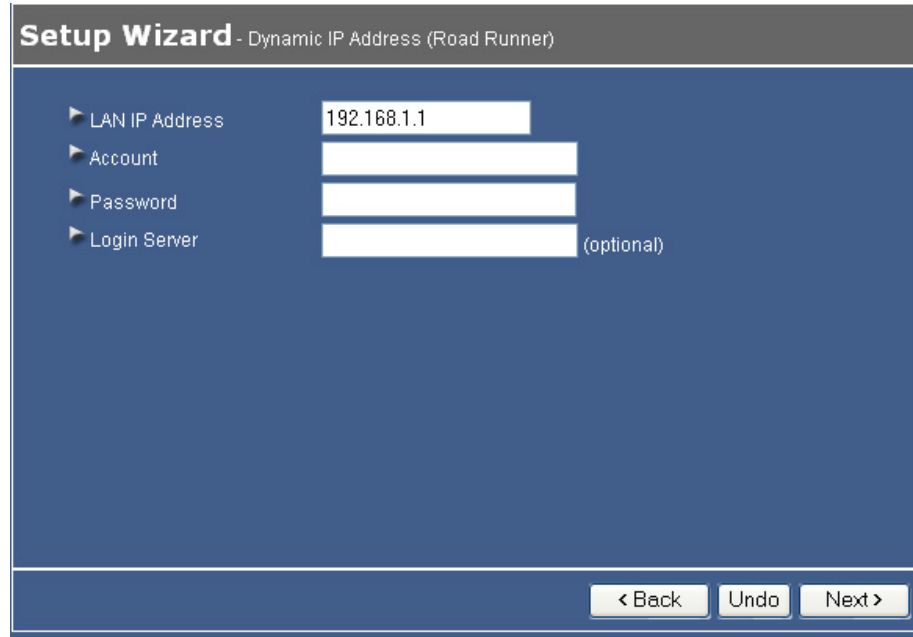


The screenshot shows the 'Setup Wizard - Dynamic IP Address' window. It has a dark blue header with the title. Below the header, there are three rows of configuration fields, each with a small triangle icon to its left. The fields are: LAN IP Address (192.168.1.1), Host Name (empty, with '(optional)' text to its right), and WAN's MAC Address (00-50-18-21-B7-EF). To the right of the WAN's MAC Address field is a button labeled 'Clone MAC'. At the bottom right, there are three buttons: '< Back', 'Undo', and 'Next >'.

Field	Value
LAN IP Address	192.168.1.1
Host Name	(optional)
WAN's MAC Address	00-50-18-21-B7-EF

Road Runner

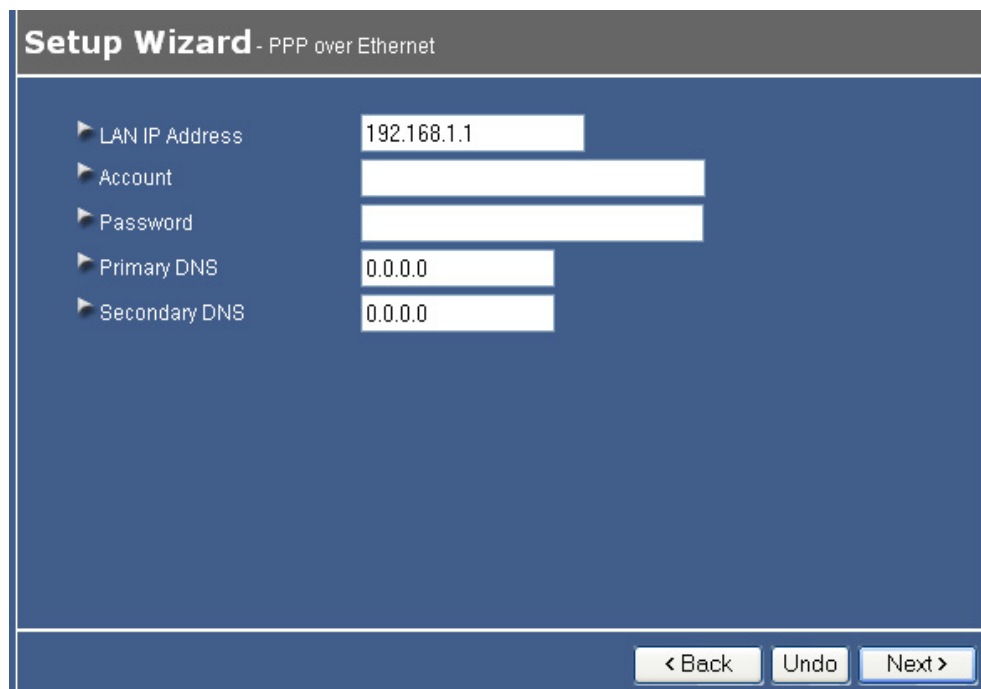
Fill in the applicable fields according to the information provided by your ISP. Click **Next** when done and proceed to **Step 7**.



The screenshot shows a 'Setup Wizard' window titled 'Dynamic IP Address (Road Runner)'. It features a list of configuration fields on the left: 'LAN IP Address' (pre-filled with '192.168.1.1'), 'Account', 'Password', and 'Login Server' (marked as optional). Each field has a corresponding text input box on the right. At the bottom right, there are three buttons: '< Back', 'Undo', and 'Next >'. The 'Next >' button is highlighted with a blue border.

DSL

Fill in the applicable fields according to the information provided by your ISP. Click **Next** when done and proceed to **Step 7**.



The screenshot shows a 'Setup Wizard' window titled 'PPP over Ethernet'. It features a list of configuration fields on the left: 'LAN IP Address' (pre-filled with '192.168.1.1'), 'Account', 'Password', 'Primary DNS' (pre-filled with '0.0.0.0'), and 'Secondary DNS' (pre-filled with '0.0.0.0'). Each field has a corresponding text input box on the right. At the bottom right, there are three buttons: '< Back', 'Undo', and 'Next >'. The 'Next >' button is highlighted with a blue border.

Note: Depending on the ISP, you may need to include the domain name with your account name.

Example: **username@sbcglobal.net**

PPTP

Fill in the applicable fields according to the information provided by your ISP. Click **Next** when done and proceed to **Step 7**.

Setup Wizard - PPTP

▶ LAN IP Address

192.168.1.1

▶ My IP Address

0.0.0.0

▶ My Subnet Mask

255.255.255.0

▶ Server IP Address

▶ PPTP Account

▶ PPTP Password

< Back

Undo

Next >

L2TP

Fill in the applicable fields according to the information provided by your ISP. Click **Next** when done and proceed to **Step 7**.

Setup Wizard - L2TP

▶ LAN IP Address

192.168.1.1

▶ IP Mode

Static IP Address

▶ IP Address

0.0.0.0

▶ Subnet Mask

255.255.255.0

▶ WAN Gateway IP

0.0.0.0

▶ Server IP Address/Name

▶ L2TP Account

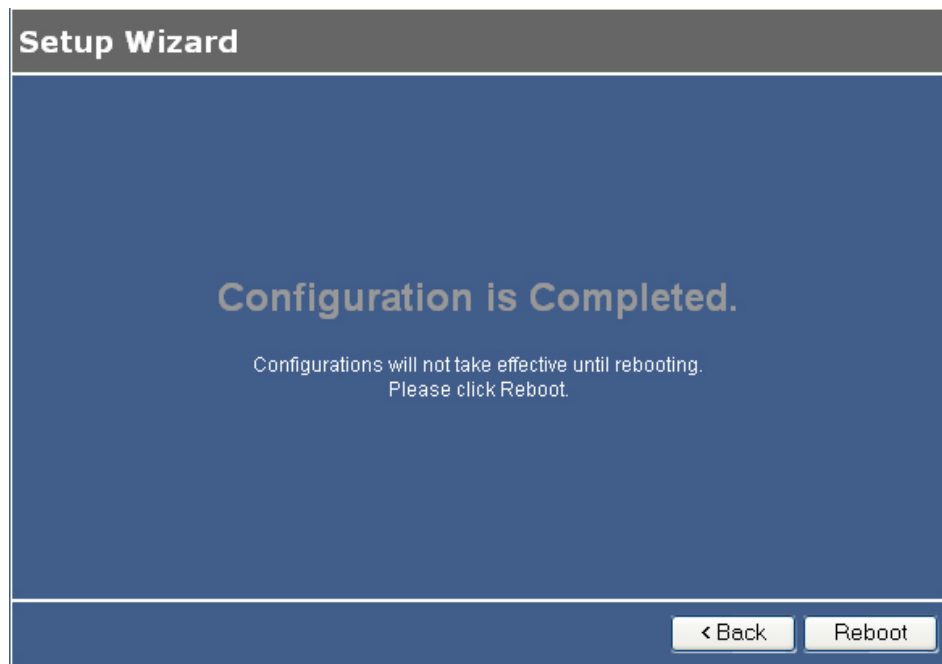
▶ L2TP Password

< Back

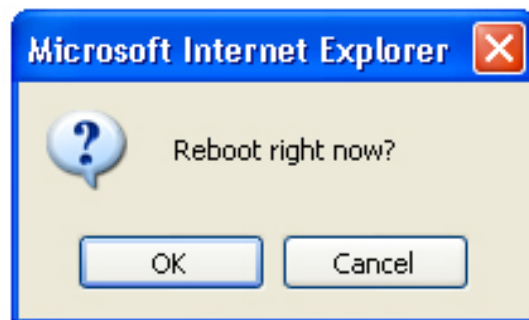
Undo

Next >

Step 7 Click **Reboot** to apply your settings.



Step 8 Click **OK** to confirm reboot.



Step 9 Wait for the router to reboot and proceed to **Section 4, Verify Connection Status**.



Section 4

Verify Connection Status

Step 1 Login to the router's web configuration page and click on the **Status** link from the Main Menu.

Step 2 Verify that the **WAN Status** displays valid numbers (instead of all 0's).

If you use **Cable modem** and you see all 0's, click on the **Renew** button.

The screenshot shows the AIRLINK 101 web configuration page. The left sidebar contains a menu with 'Status' selected. The main content area is titled 'System Status' and features a table with WAN status information. A red box highlights the 'WAN Status' column, which shows all zeros. A 'Renew' button is visible in the 'Sidenote' column. Below the table is a 'Statistics of WAN' section with 'Inbound' and 'Outbound' statistics, all showing zeros. At the bottom, there are buttons for 'View Log...', 'Clients List...', 'Help', and 'Refresh', along with the device time: 'Thu Jul 01 00:00:19 2004'.

Item	WAN Status	Sidenote
Remaining Lease Time	00:00:00	Renew
IP Address	0.0.0.0	
Subnet Mask	0.0.0.0	
Gateway	0.0.0.0	Unreachable
Domain Name Server	0.0.0.0	

Statistics of WAN	Inbound	Outbound
Octets	0	0
Unicast Packets	0	0
Non-unicast Packets	0	0

View Log... Clients List... Help Refresh
Device Time: Thu Jul 01 00:00:19 2004

If you use **DSL** and you see all 0's, click on the **Connect** button.

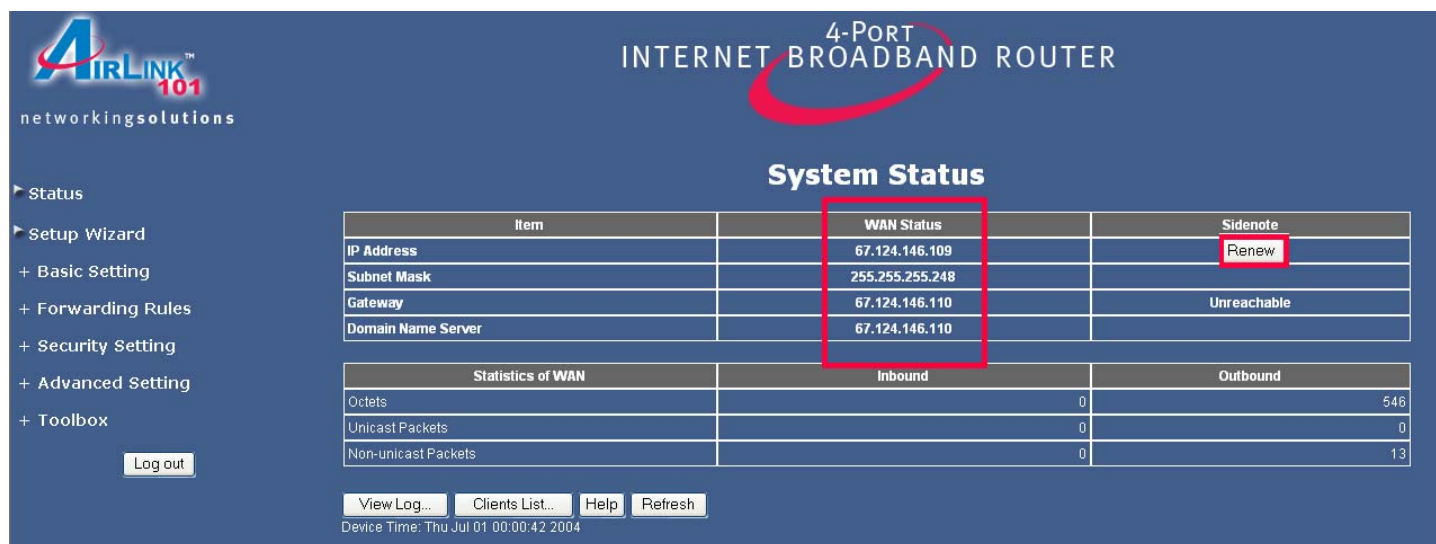
The screenshot shows the AIRLINK 101 web configuration page. The left sidebar contains a menu with 'Status' selected. The main content area is titled 'System Status' and features a table with WAN status information. A red box highlights the 'WAN Status' column, which shows all zeros. A 'Connect' button is visible in the 'Sidenote' column. Below the table is a 'Statistics of WAN' section with 'Inbound' and 'Outbound' statistics. At the bottom, there are buttons for 'View Log...', 'Clients List...', 'Help', and 'Refresh', along with the device time: 'Thu Jul 01 00:00:12 2004'.

Item	WAN Status	Sidenote
IP Address	0.0.0.0	PPPoE
Subnet Mask	0.0.0.0	
Gateway	0.0.0.0	Unreachable
Domain Name Server	0.0.0.0	
Connection Time	-	Connect

Statistics of WAN	Inbound	Outbound
Octets	0	168
Unicast Packets	0	0
Non-unicast Packets	0	6

View Log... Clients List... Help Refresh
Device Time: Thu Jul 01 00:00:12 2004

Step 3 Once you clicked the **Renew** or **Connect** button, you should see some numbers under **WAN Status**. This means you have successfully established Internet connection.



AIRLINK 101
networkingsolutions

4-PORT
INTERNET BROADBAND ROUTER

System Status

Item	WAN Status	Sidenote
IP Address	67.124.146.109	Renew
Subnet Mask	255.255.255.248	
Gateway	67.124.146.110	Unreachable
Domain Name Server	67.124.146.110	

Statistics of WAN	Inbound	Outbound
Octets	0	546
Unicast Packets	0	0
Non-unicast Packets	0	13

Log out

View Log... Clients List... Help Refresh

Device Time: Thu Jul 01 00:00:42 2004

Note: If you still see all 0's after clicking on the **Renew** or **Connect** button, try the following troubleshooting tips.

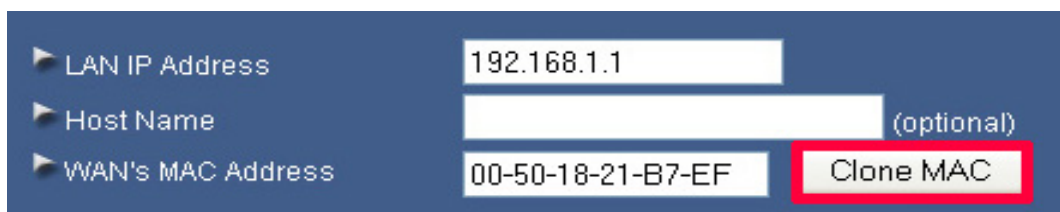
Section 5

Troubleshooting

For Cable Modem Users Only

Step 1 Go to the router's Setup Wizard.

Step 2 At the Cable Modem setting (**Dynamic IP Address**), click on the **Clone MAC** button and click **Next**.



LAN IP Address 192.168.1.1

Host Name (optional)

WAN's MAC Address 00-50-18-21-B7-EF Clone MAC

Step 3 Proceed through the rest of the setup.

Step 4 Verify the **Connection Status** as described in **Section 4**.

For DSL Users Only

Step 1 Go to the router's Setup Wizard.

Step 2 At the **PPPoE** setting, double-check the spelling of your **Account name** and **Password**. Some ISPs require you to include the domain name along with your account name in the **Account Name** field.

Example: **username@sbcglobal.net**

Step 3 Complete the Setup Wizard and verify the **Connection Status** as described in **Section 4**.

For Cable Modem and DSL Users

Step 1 Power off the Cable/DSL modem, router, and computer and wait for **5 minutes**.

Step 2 Turn on the Cable/DSL modem and wait for the lights on the modem to settle down.

Step 3 Turn on the router and wait for the lights on the router to settle down.

Step 4 Turn on the computer.

Step 5 Redo the Setup Wizard.

Step 6 Verify the Connection Status as described in **Section 4**.

Section 6

Technical Support

E-mail: support@airlink101.com

Toll Free: 1-888-746-3238

Web Site: www.airlink101.com