



802.11g Wireless Router

Model # AR325W

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.

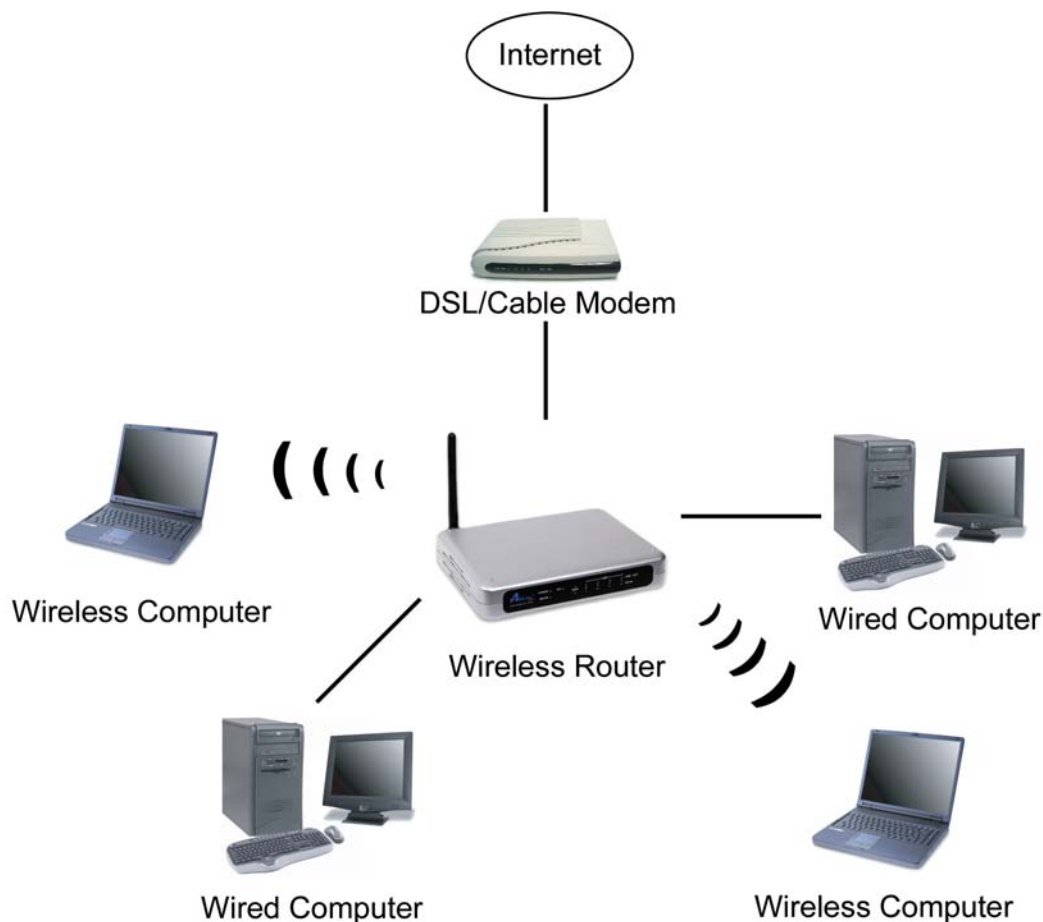
Step 2 With another network cable, connect one end of the cable to your computer's network card and connect the other end to one of the **LAN** ports of the router.

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.

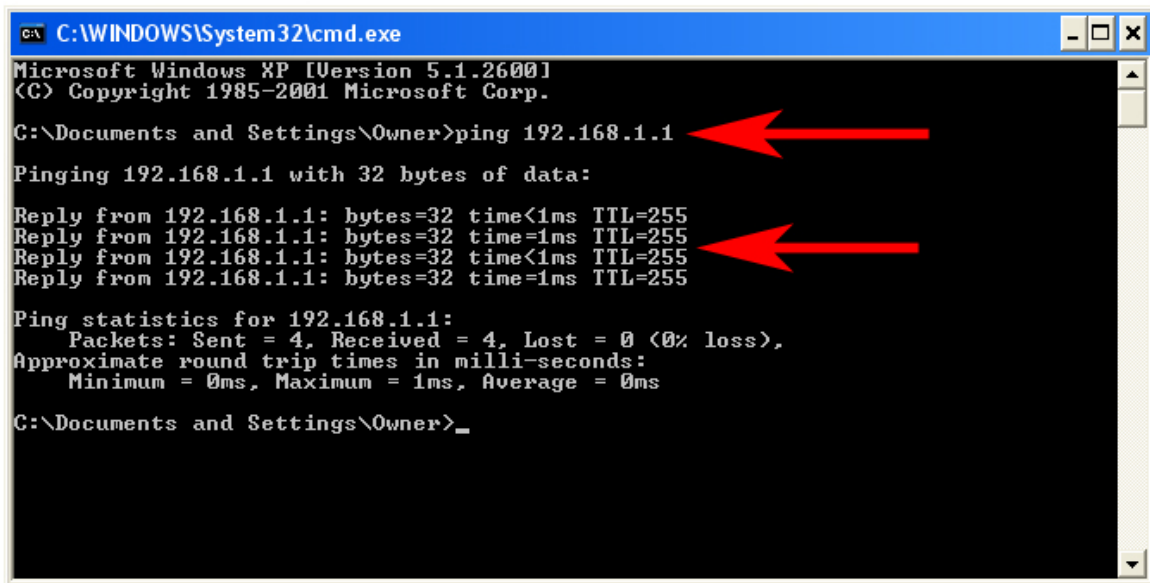


Section 2

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.

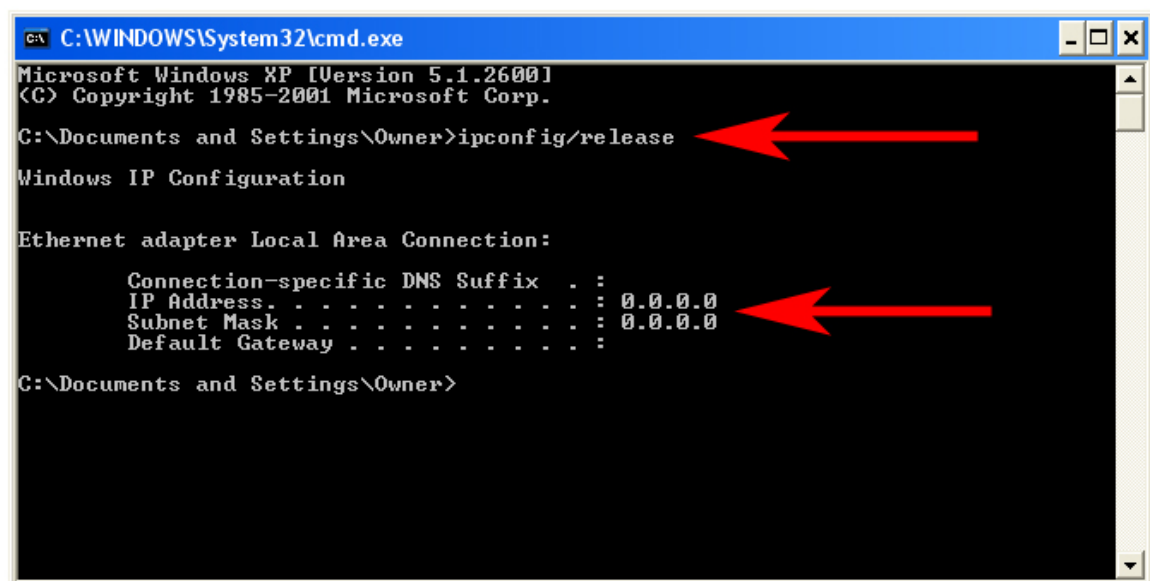
C:\Documents and Settings\Owner>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255

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.

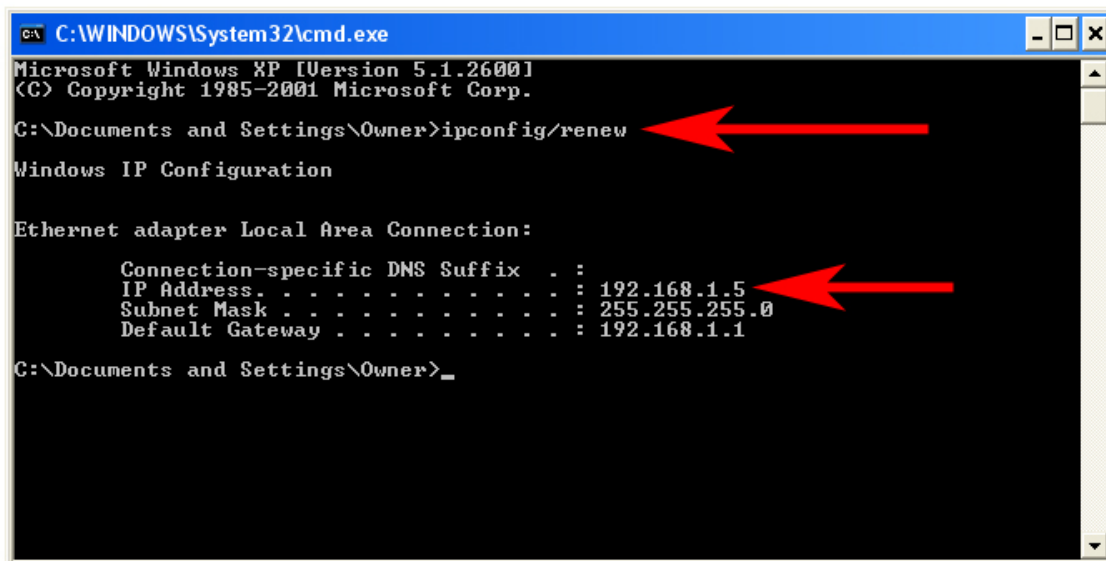
C:\Documents and Settings\Owner>ipconfig/release
Windows IP Configuration

Ethernet adapter Local Area Connection:

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

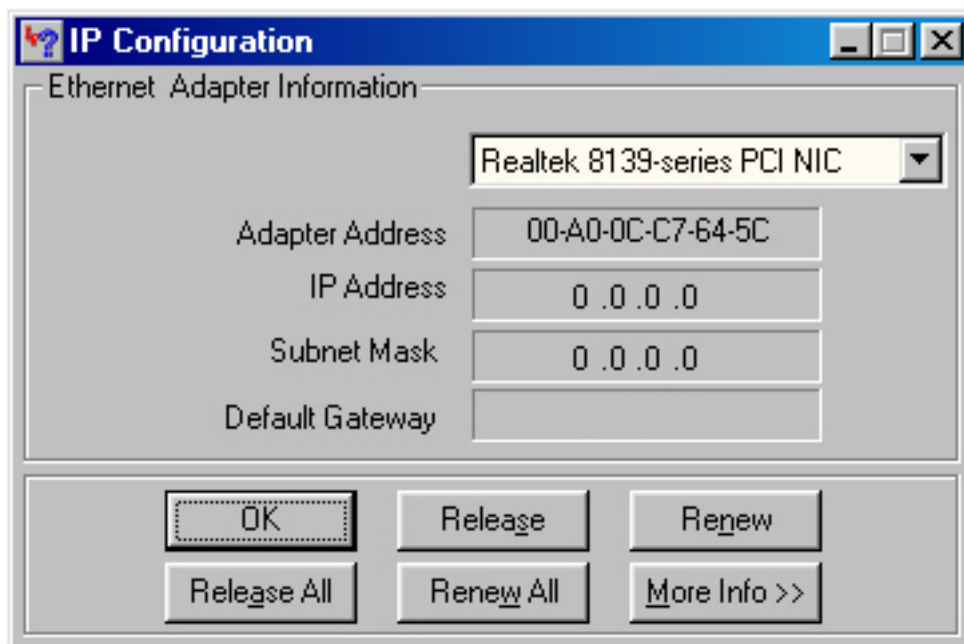
C:\Documents and Settings\Owner>
```

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.

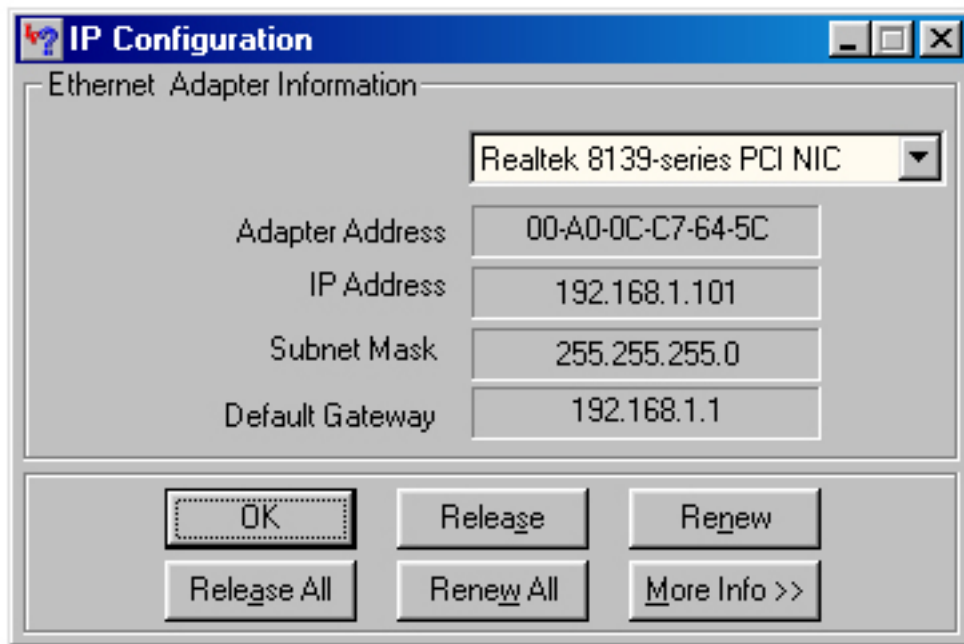


Step 6 For Windows 95/98/ME go to **Start, Run**, type **winipcfg** and click **OK**.

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.



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**.

The screenshot shows the web interface of an 802.11G WIRELESS ROUTER. The page has a dark blue background. In the top left is the AIRLINK 101 logo and the text "networkingsolutions". In the top right is "802.11G WIRELESS ROUTER". Below the logo is a "Status" section with a "System Password" field containing "admin" and a "Log in" button. The main content is a "System Status" section with two tables.

Item	WAN Status	Sidnote
Remaining Lease Time	23:58:30	
IP Address	192.168.2.101	
Subnet Mask	255.255.255.0	
Gateway	192.168.2.1	
Domain Name Server	192.168.2.1	

Statistics of WAN	Inbound	Outbound
Octets	13552	3295
Unicast Packets	6	3
Non-unicast Packets	11	7

At the bottom, there are "Help" and "Refresh" buttons, and the text "Device Time: Sat Sep 01 00:03:19 2018".

Step 3 Click on **Wizard** from the main menu and click **Next** to begin the Setup Wizard.



Step 4 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.



Cable Modem

If you use cable modem, select **Obtain an IP address from ISP automatically (Dynamic IP Address)** and click **Next**. Proceed to **Step 5a, Cable Modem**.

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 5b, DSL**.

For Cable Modem Users:

Step 5a 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 6**.

The screenshot shows a web-based configuration interface titled "Setup Wizard - Dynamic IP Address". It features a dark blue background with white text and input fields. The fields are:

- LAN IP Address: 192.168.1.1
- Host Name: (optional)
- WAN's MAC Address: FF-FF-FF-FF-FF-FF, with a "Clone MAC" button next to it.

At the bottom right, there are three buttons: "< Back", "Undo", and "Next >".

For DSL Users:

Step 5b Fill in the applicable fields according to the information provided by your ISP. Click **Next** when done and proceed to **Step 6**.

The screenshot shows a web-based configuration interface titled "Setup Wizard - PPP over Ethernet". It features a dark blue background with white text and input fields. The fields are:

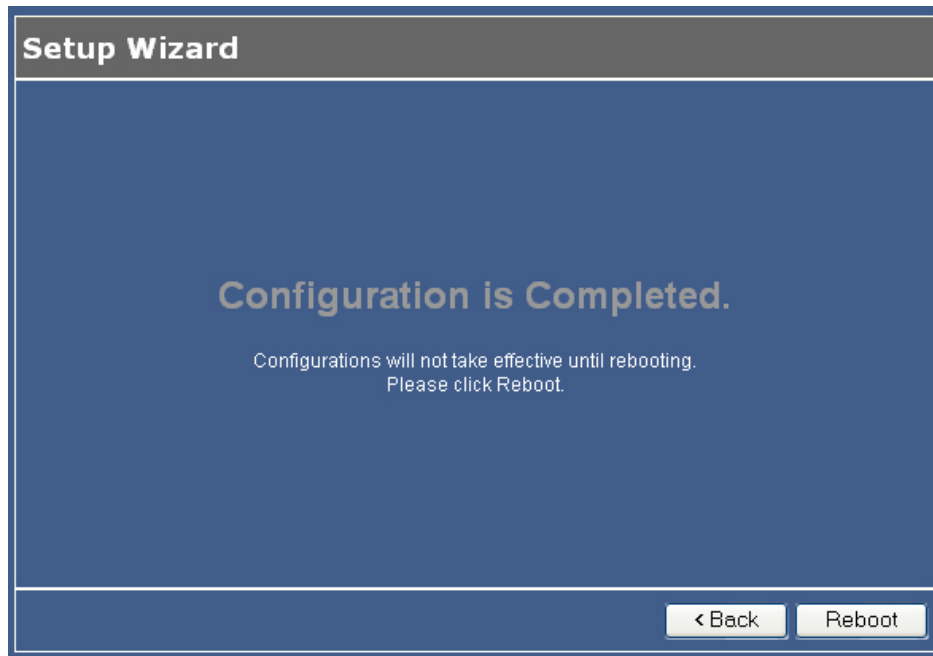
- LAN IP Address: 192.168.1.1
- Account: (empty)
- Password: (empty)
- Primary DNS: 0.0.0.0
- Secondary DNS: 0.0.0.0
- PPPoE Service Name: (optional)
- Assigned IP Address: 0.0.0.0 (optional)

At the bottom right, there are three buttons: "< Back", "Undo", and "Next >".

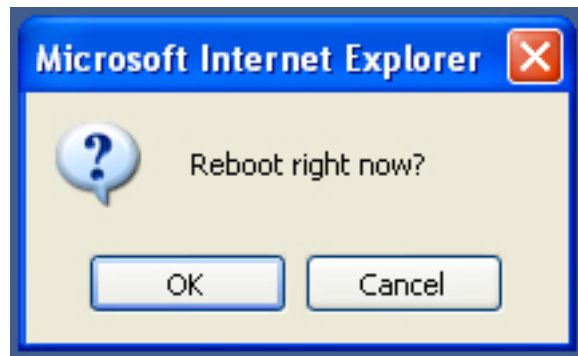
Note: Depending on the ISP, you may need to include the domain name with your account name.

Example: **username@sbcglobal.net**

Step 6 Click **Reboot** to apply your settings.



Step 7 Click **OK** to confirm reboot.



Step 8 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.

networkingsolutions

- Status
- Wizard
- Basic Setting
- Forwarding Rules
- Security Setting
- Advanced Setting
- Toolbox

Log out

802.11G WIRELESS ROUTER

System Status

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	2840	2068
Unicast Packets	6	0
Non-unicast Packets	6	8

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

Device Time: Sat Sep 01 02:07:07 2018

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

networkingsolutions

- Status
- Wizard
- Basic Setting
- Forwarding Rules
- Security Setting
- Advanced Setting
- Toolbox

Log out

802.11G WIRELESS ROUTER

System Status

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: Sat Sep 01 02:04:46 2018

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.

System Status		
Item	WAN Status	Sidenote
Remaining Lease Time	23:56:00	<input type="button" value="Renew"/>
IP Address	192.168.2.101	<input type="button" value="Release"/>
Subnet Mask	255.255.255.0	
Gateway	192.168.2.1	
Domain Name Server	192.168.2.1	

Statistics of WAN	Inbound	Outbound
Octets	5403	2774
Unicast Packets	20	0
Non-unicast Packets	14	11

Device Time: Sat Sep 01 02:11:12 2018

Note: If you still see all 0's after clicking on the **Renew** or **Connect** button, try the tips in **Section 6, Troubleshooting**.

Section 5

Connecting to the Router Wirelessly

Below are the default wireless settings of the router. You must configure your wireless network adapter to the same settings in order to establish a wireless connection with the router. Please refer to your wireless network adapter's manual on how to configure these settings.

SSID: **default**
Operating Mode: **Infrastructure**
Authentication: **Open System**
Channel #: **11**
WEP: **disabled**

You may need to restart your computer after establishing a signal strength/link quality with the router.

For information on how to configure wireless security, please refer to the User's Manual on the provided CD.

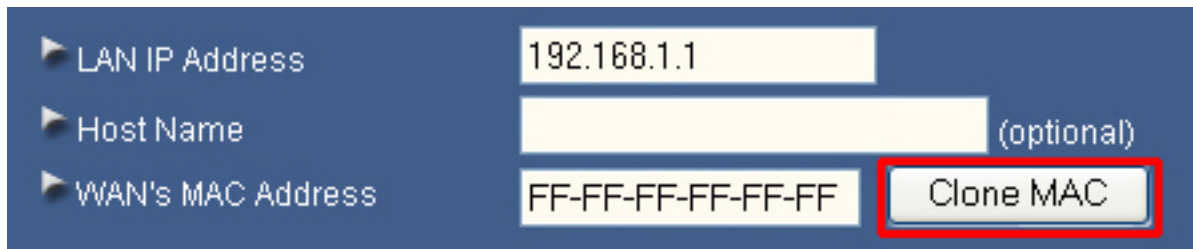
Section 6

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**.



The screenshot shows a configuration screen with three rows of settings:

- LAN IP Address: 192.168.1.1
- Host Name: (optional)
- WAN's MAC Address: FF-FF-FF-FF-FF-FF

A button labeled "Clone MAC" is highlighted with a red rectangular border.

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**.

Technical Support

E-mail: support@airlink101.com

Toll Free: 1-888-746-3238

Web Site: www.airlink101.com

*Theoretical maximum wireless signal rate based on IEEE standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, mix of wireless products used, radio frequency interference (e.g., cordless telephones and microwaves) as well as network overhead lower actual data throughput rate.

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