



802.11g Wireless 3G Mobile Router

Model # AR360W3G

# Quick Installation Guide

# 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 and the router.

**Step 1** (Option 1) Insert the 3G mobile PC card into the card slot on the router facing up, (Option 2) or, connect your DSL/Cable modem to the WAN port on the router.

**Step 2** Connect one end of an ethernet cable to your computer's network card and connect the other end to the **LAN** port on the router.

**Step 3** 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. All the LEDs will flash ON and OFF as the Wireless 3G Mobile Router performs initialization and Internet connection processes. This will take a few minutes.

**Step 4** Power on your computer.

**Step 5** When complete, the following LEDs will illuminate green: Status, WAN, LAN, and WiFi.

### Option 1: 3G Mobile Card



### Option 2: DSL / Cable

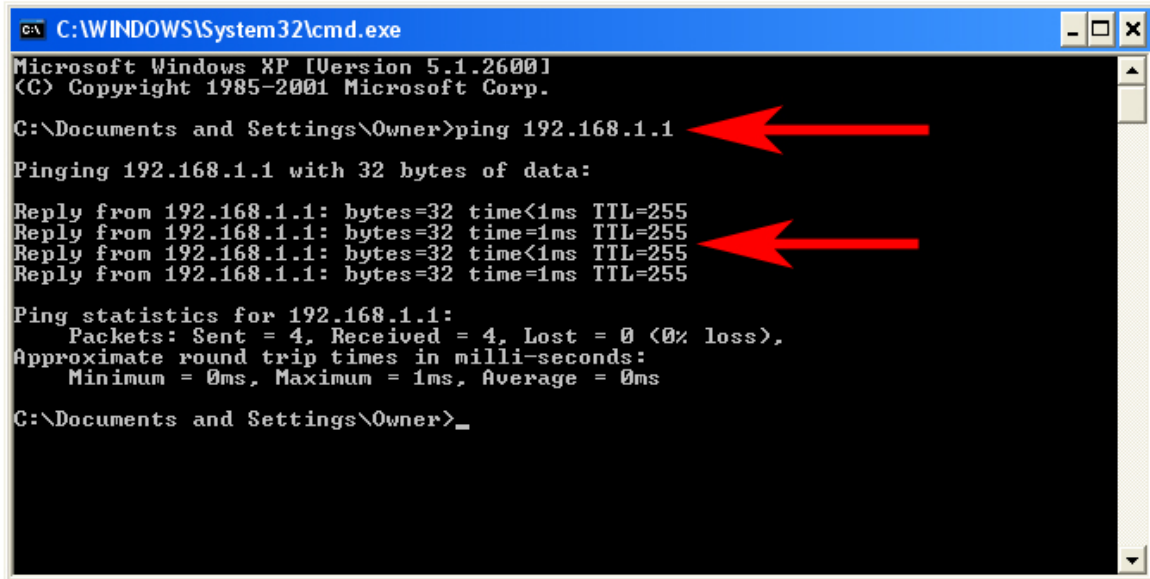


## Section 2

# 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**. For Windows Vista, click start and type “command prompt” in the search box. Click on **Command Prompt** in the search results box. 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.

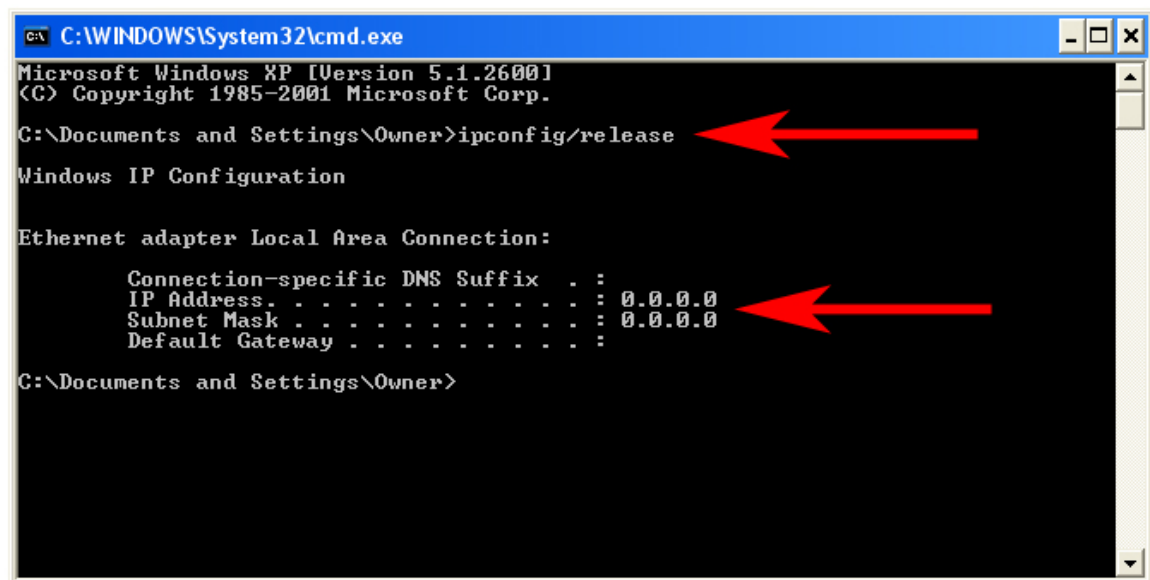
C:\Documents and Settings\Owner>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255

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/Vista, type **ipconfig/release** and press **Enter**.



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

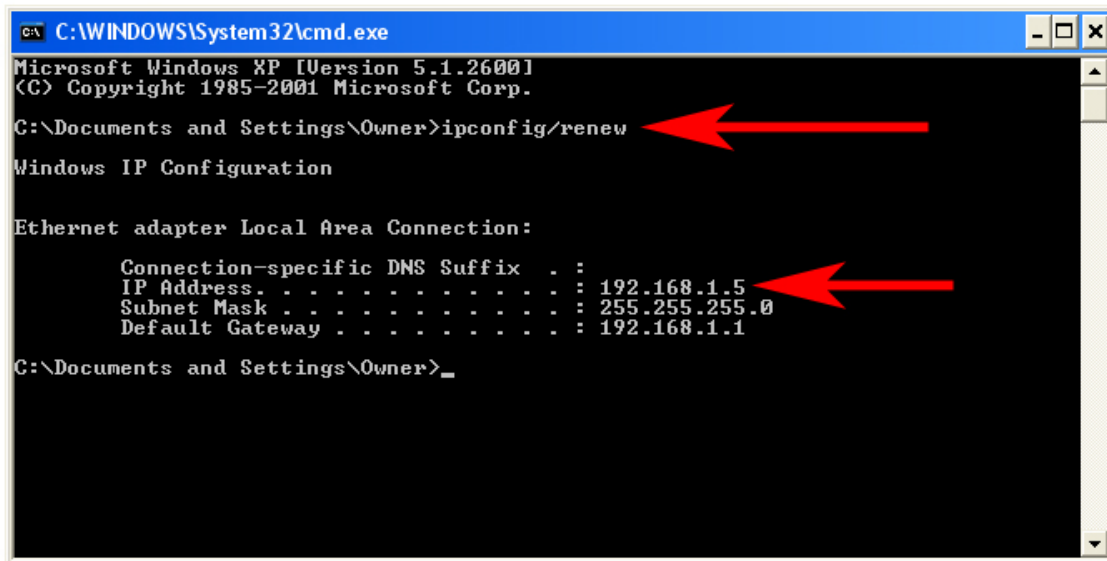
C:\Documents and Settings\Owner>ipconfig/release
Windows IP Configuration

Ethernet adapter Local Area Connection:

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

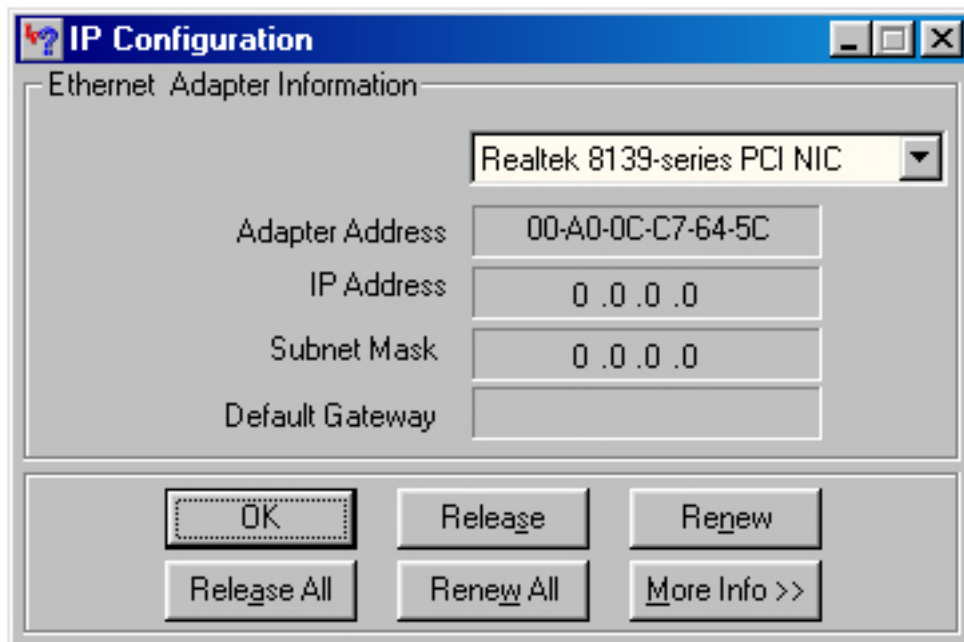
C:\Documents and Settings\Owner>
```

**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.

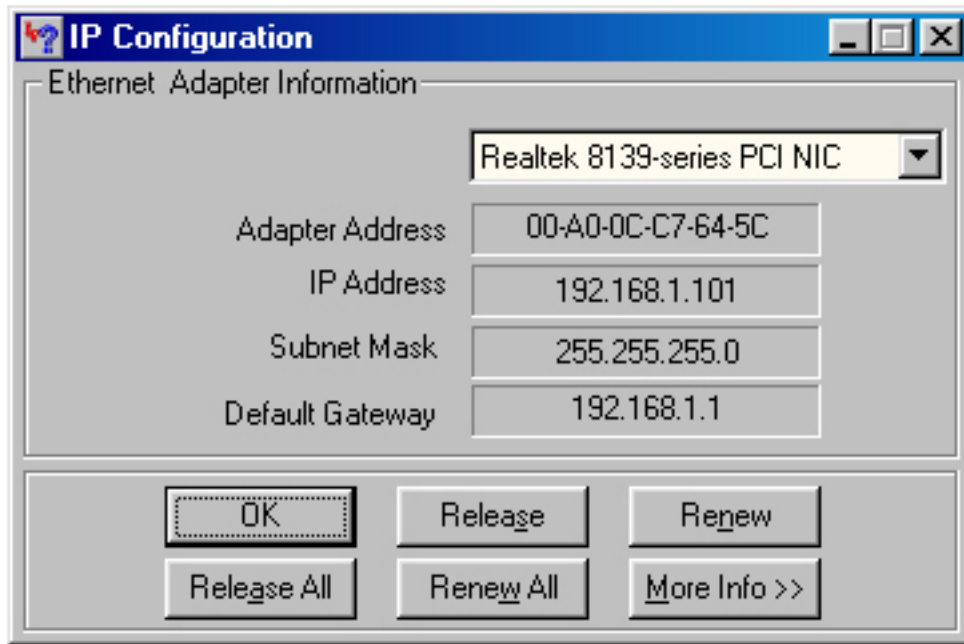


**Step 6** For Windows 95/98/ME go to **Start, Run,** type **winipcfg** and click **OK**. Windows 2000/XP/Vista users can skip this step and move ahead to Section 3

**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

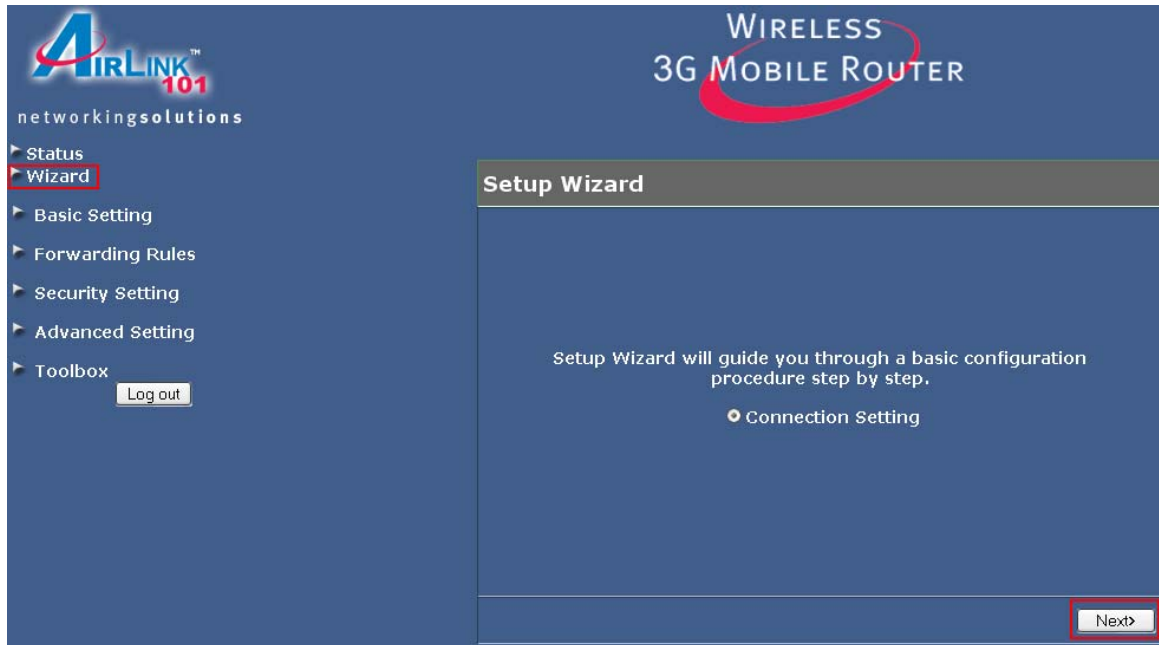
**Step 1** Open the web browser (i.e. Internet Explore) and type **192.168.1.1** in the URL Address field and press **Enter**.

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

The screenshot shows the "AIRLINK 101" web interface for a "WIRELESS 3G MOBILE ROUTER". The page has a blue background. On the left, there is a "Status" menu with a "System Password" field containing "admin" and a "Log in" button. On the right, there is a "System Status" section with a table of network information.

Item	WAN Status	Sidenote
Remaining Lease Time	998:49:29	
IP Address	10.0.0.114	
Subnet Mask	255.255.255.0	
Gateway	10.0.0.1	
Domain Name Server	68.87.76.178, 10.0.0.1	

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



**Step 4** You can change the password of your router here if you like. Make sure that you write down the password so that you do not forget what it is. The default password is **admin**. Note: If you happen to forget your new password, you can reset the password back to admin by holding down the reset button on the back of the router for 10 seconds.

The screenshot shows the 'Setup Wizard - Change Password' screen. It features three input fields for 'Old Password', 'New Password', and 'Reconfirm', each with a corresponding password mask icon. These fields are enclosed in a red rectangular box. At the bottom right of the screen, there are two buttons: 'Back' and 'Next', with the 'Next' button highlighted by a red box.

**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.

**Setup Wizard - Select WAN Type**

- Static IP Address: ISP assigns you a static IP address.
- Dynamic IP Address: Obtain an IP address from ISP automatically.
- PPP over Ethernet: Some ISPs require the use of PPPoE to connect to their services.
- PPTP: Some ISPs require the use of PPTP to connect to their services.
- 3G: Some ISPs require the use of 3G to connect to their services.

< Back   Undo   Next >

### 3G Mobile PC Card

If you are using a 3G Mobile PC card, select **3G** and click **Next**. Proceed to **Step 5a**.

### Cable Modem

If you use cable modem, select **Dynamic IP Address** and click **Next**. Proceed to **Step 5b**.

### DSL

If you use DSL, select **PPP over Ethernet** and click **Next**. Proceed to **Step 5c**.

### For 3G Mobile PC Card Users:

**Step 5a** Enter the Phone number, Username, and Password provided by your internet service provider into the appropriate boxes. Click **Next** when done and proceed to **Step 6**.

**Setup Wizard - 3G**

- ▶ LAN IP Address: 192.168.1.1
- ▶ APN: [Redacted]
- ▶ Pin Code: [Redacted]
- ▶ Phone Number: 555
- ▶ Username: username@cingular.com
- ▶ Password: password
- ▶ Maximum Idle Time: 300 seconds  Auto-reconnect

< Back   Undo   Next >

Below are the examples for Cingular, Verizon, and Sprint:

### Cingular

Phone Number: \*99\*\*\*1#  
Username: xxx@cingulargprs.com  
Password: xxxxx

### Verizon

Phone Number: #777  
Username: xxx@vzw3g.com  
Password: xxxxx

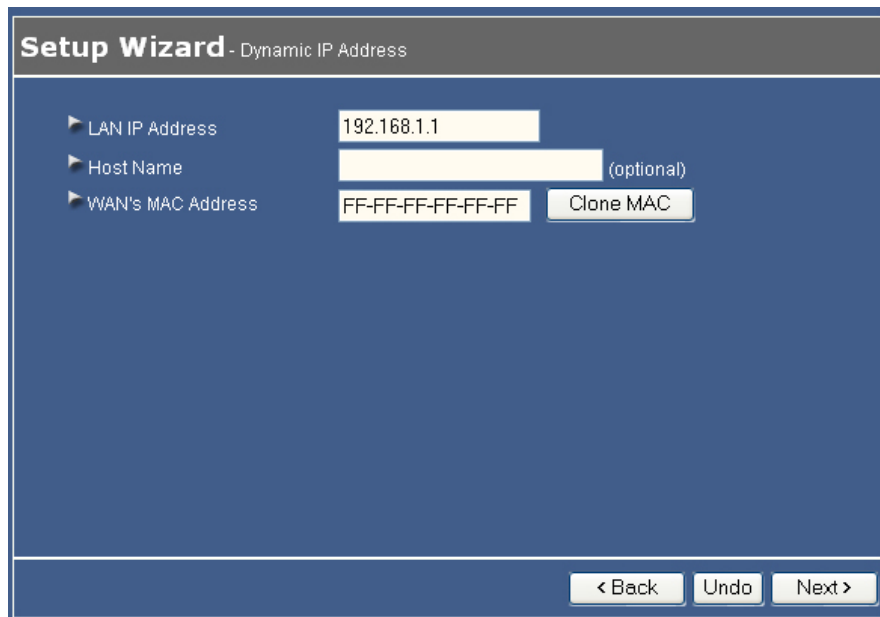
### Sprint

Phone Number: #777  
Username: xxx@sprintpcs.com  
Password: xxxxx

If you are not sure about your account information, please contact your 3G Mobile service provider.

### For Cable Modem Users:

**Step 5b** 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**.



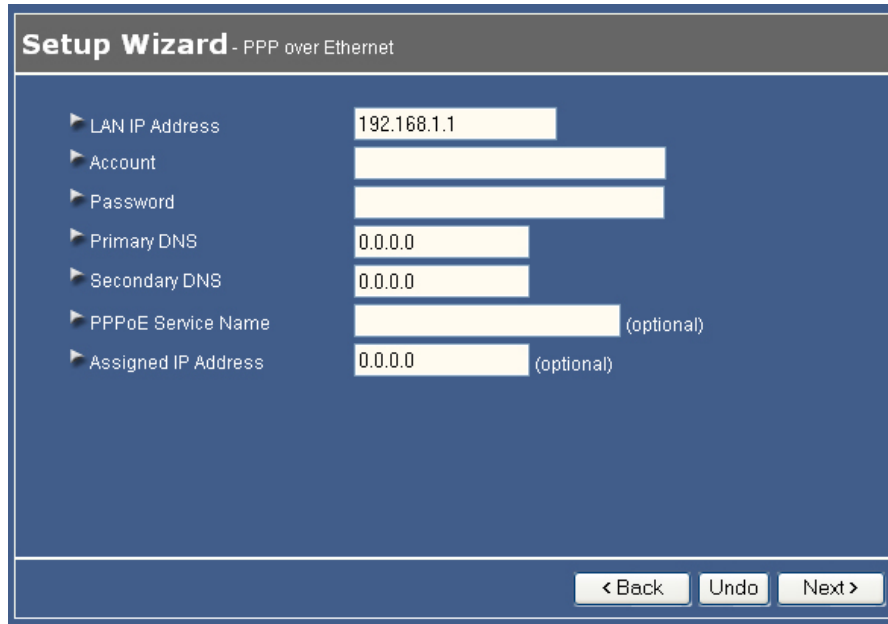
The screenshot shows a window titled "Setup Wizard - Dynamic IP Address". It contains three configuration fields:

- LAN IP Address:** A text box containing "192.168.1.1".
- Host Name:** An empty text box with "(optional)" to its right.
- WAN's MAC Address:** A text box containing "FF-FF-FF-FF-FF-FF" and a "Clone MAC" button to its right.

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

## For DSL Users:

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



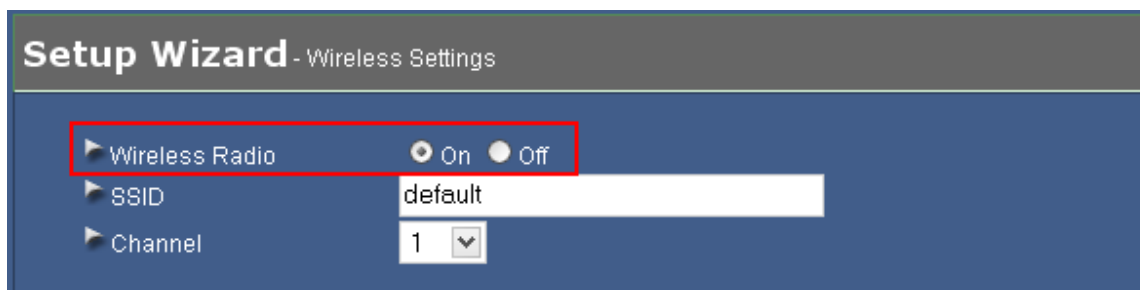
The screenshot shows a web-based configuration interface titled "Setup Wizard - PPP over Ethernet". It features a list of configuration fields on the left and their corresponding input values on the right. The fields are: LAN IP Address (192.168.1.1), Account (empty), Password (empty), Primary DNS (0.0.0.0), Secondary DNS (0.0.0.0), PPPoE Service Name (empty, with "(optional)" to its right), and Assigned IP Address (0.0.0.0, with "(optional)" to its right). 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**

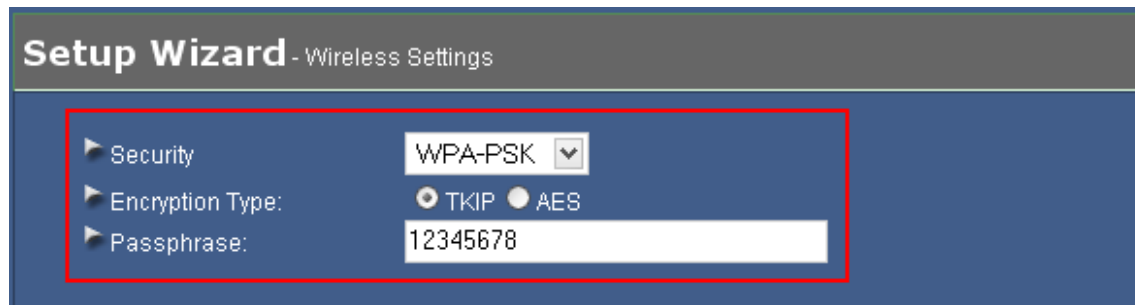
However, some DSL service providers may use Dynamic IP Address instead of PPP over Ethernet. You can contact your ISP to find out the correct WAN Type information.

**Step 6** If you wish to share access to your router wirelessly, click the radio button for **On** next to wireless radio and click **Next** .



The screenshot shows a web-based configuration interface titled "Setup Wizard - Wireless Settings". It features a list of configuration fields on the left and their corresponding settings on the right. The fields are: Wireless Radio (radio buttons for "On" and "Off", with "On" selected), SSID (default), and Channel (1). A red box highlights the "Wireless Radio" section.

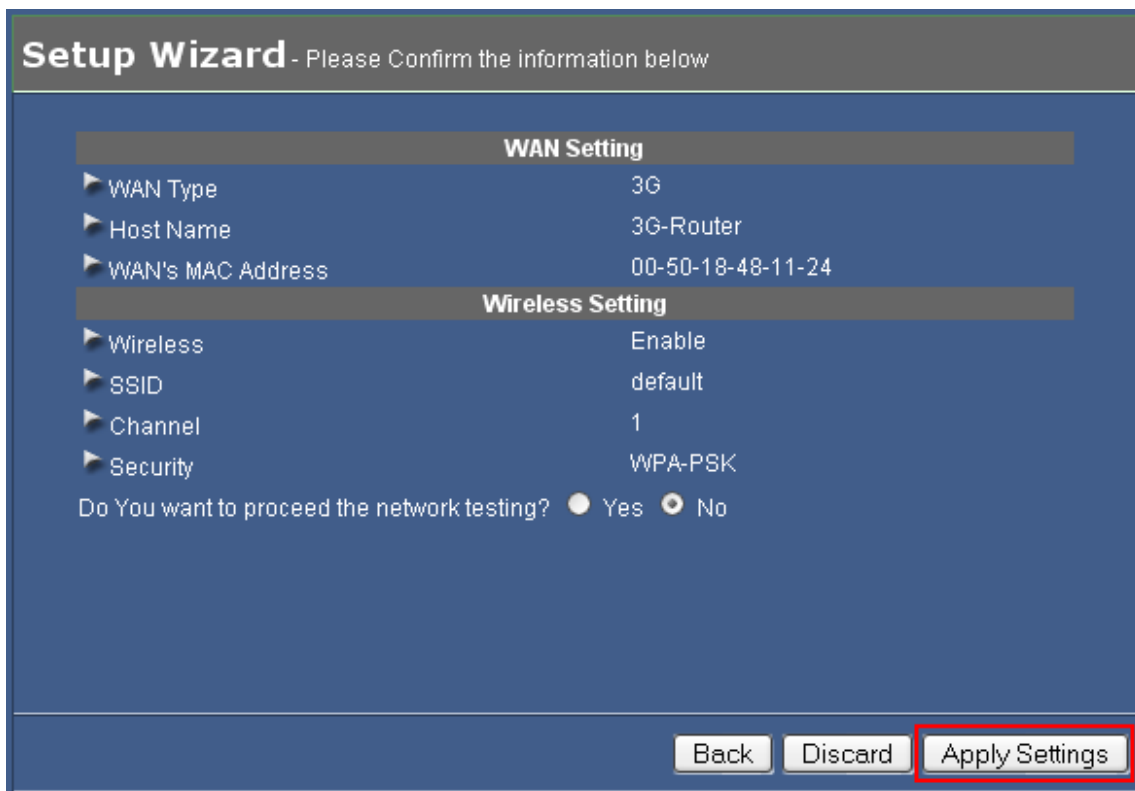
**Step 7** Choose your wireless security settings. For a secure network, we recommend **WPA-PSK** with **TKIP**. Your passphrase must be at least eight characters long and can contain numbers and letters. Click **Next** after choosing your settings.



**Setup Wizard** - Wireless Settings

▶ Security	WPA-PSK
▶ Encryption Type:	<input checked="" type="radio"/> TKIP <input type="radio"/> AES
▶ Passphrase:	12345678

**Step 8** Click **Apply Settings** to save your settings and complete the configuration.



**Setup Wizard** - Please Confirm the information below

WAN Setting	
▶ WAN Type	3G
▶ Host Name	3G-Router
▶ WAN's MAC Address	00-50-18-48-11-24

Wireless Setting	
▶ Wireless	Enable
▶ SSID	default
▶ Channel	1
▶ Security	WPA-PSK

Do You want to proceed the network testing?  Yes  No

Back Discard **Apply Settings**

# 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).

**3G** Mobile PC Card users, make sure that the 3G card is properly inserted in the card slot on the router. Under **3G Status** section, make sure your 3G card information is correctly displayed, and **Link Status** should be Connected. If not, click the **Refresh** button until you see numbers appear.

**System Status**

Item	WAN Status	Sidenote
IP Address	68.26.76.40	3G
Subnet Mask	255.255.255.255	
Gateway	68.28.57.69	
Domain Name Server	68.28.58.11, 68.28.50.11	

Item	WLAN Status	Sidenote
Wireless mode	Enable	( AP only mode )
SSID	default	
Channel	11	
Security	None	
MAC Address	00-50-18-21-C1-C4	

Item	3G Status	Sidenote
Card Info	3.3V CardBus card	
Link Status	Connected	
Signal Strength	N/A	

Log out

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

**System Status**

Item	WAN Status	Sidenote
Remaining Lease Time	00:00:00	Wait for traffic <b>Renew</b>
IP Address	0.0.0.0	
Subnet Mask	0.0.0.0	
Gateway	0.0.0.0	
Domain Name Server	68.87.76.178, 10.0.0.1	

Item	WLAN Status	Sidenote
Wireless mode	Disable	

Item	3G Status	Sidenote
Card Info	3.3V CardBus card	
Link Status	Disconnected	
Signal Strength	N/A	

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

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

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

System Status		
Item	WAN Status	Sidenote
IP Address	0.0.0.0	PPPoE
Subnet Mask	0.0.0.0	
Gateway	0.0.0.0	
Domain Name Server	0.0.0.0	
Connection Time	-	Wait for traffic <b>Connect</b>
WLAN Status		
Wireless mode	Disable	
3G Status		
Card Info	3.3V CardBus card	
Link Status	Disconnected	
Signal Strength	N/A	
Statistics of WAN		
	Inbound	Outbound
Octets	0	0
Unicast Packets	0	0
Non-unicast Packets	0	0
Drops	0	0
Error	0	0

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

**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	<b>Renew</b>
IP Address	192.168.2.101	<b>Release</b>
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

View Log... Clients List... Help Refresh  
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 3G Mobile Card Users Only

Contact your internet service provider to make sure that you are in an area that allows you to receive a 3G signal.

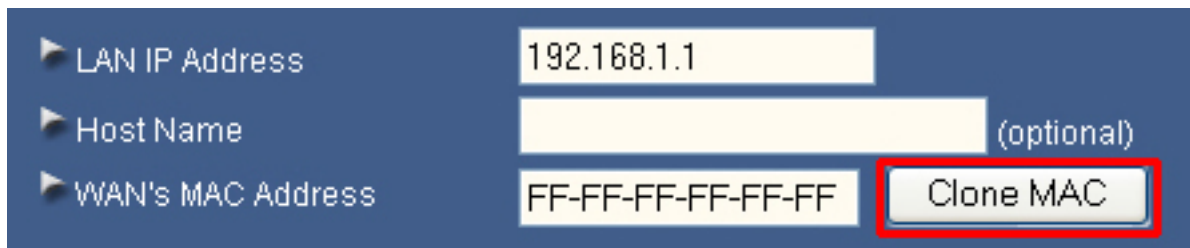
Also test your 3G card in a computer to make sure that the 3G card works properly and is receiving a useable signal.

Make sure that the card is properly inserted in the router and detected by the router correctly, you can see the 3G card information in the **3G Status** under **System Status** Page. Verify that all the lights on the 3G card that should be lit are lit.

### 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. The first row is 'LAN IP Address' with the value '192.168.1.1'. The second row is 'Host Name' with an empty field and '(optional)' to its right. The third row is 'WAN's MAC Address' with the value 'FF-FF-FF-FF-FF-FF'. To the right of this field is a button labeled 'Clone MAC', which 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**.

## Section 7

### Technical Support

E-mail: [support@airlink101.com](mailto:support@airlink101.com)

Toll Free: 1-888-746-3238

Web Site: [www.airlink101.com](http://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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