



Quick Installation Guide

Dual Band Wireless N Router

Model # AR725W



Thank you for purchasing Airlink101 Dual Band Wireless N Router. The Dual Band Wireless N Router AR725W provides switchable 2.4 and 5 GHz wireless frequency which allows more clean channels and less interference for your wireless network. You will be able to enjoy home entertainment with HD video streaming, VoIP and online gaming with the high wireless data rate of up to 300Mbps* when used with Airlink101 Dual Band Wireless N adapters.

Before you begin the installation, please check the items of your package:

Package Contents:

- Dual Band Wireless N Router
- Power Adapter
- Ethernet Cable (Cat.5)
- Manual CD
- Quick Installation Guide

Section 1

This Quick Installation Guide only provides basic instructions. For detailed information on using this product, please refer to the User's Manual on the supplied CD.

Connecting 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 **INTERNET** 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 Ethernet port 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 Plug the power adapter to the router and connect to an outlet or power strip.

Step 5 Power on your computer.

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

LED Indicators:



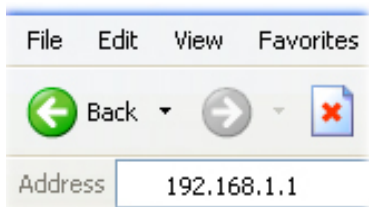
How the router connects:



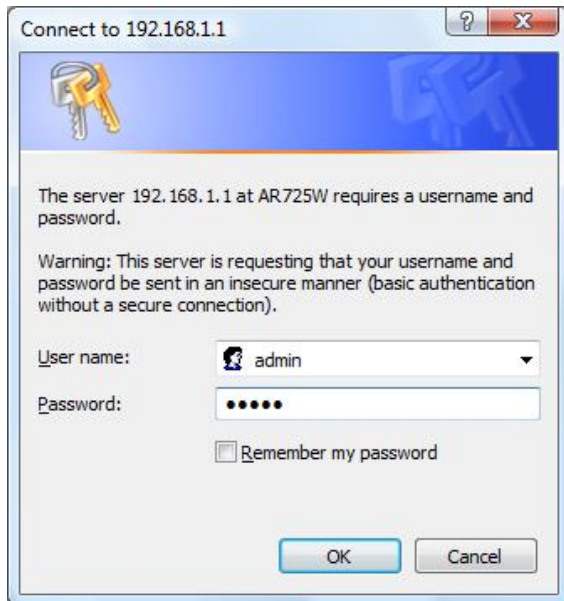
Section 2

Configuring the Router

Step 1 Open the web browser (Internet Explorer or Mozilla Firefox) from the computer that connects to the Router, type **192.168.1.1** in the Address bar and press **Enter**.



Step 2 Enter **admin** for both the username and password fields and click **OK**.



Cable Modem

For most cable modem users, you should be able to connect to the Internet without changing any configuration. If your ISP has provided you with a host name, enter it in the optional **Host Name** field. Click **Apply** to save the setting.

The screenshot shows the configuration page for an AR725W Dual Band Wireless N Router. The 'Setup' tab is selected, and the 'Basic Setup' sub-tab is active. Under the 'Internet Setup' section, the 'Internet Connection Type' is set to 'Automatic Configuration - DHCP'. Below this, under 'Optional Settings (required by some Internet Service Providers)', the 'Host Name' is 'AR725W', the 'Domain Name' is 'Airlink101', and the 'MTU' is set to 'Auto' with a 'Size' of '1500'.

If your ISP requires a registered MAC Address, click on the **MAC Address Clone** tab, select **Enabled**, and click on the **Clone My PC's MAC** button. Click **Apply** to save the setting.

The screenshot shows the configuration page for an AR725W Dual Band Wireless N Router, specifically the 'MAC Address Clone' section. The 'Enabled' radio button is selected. The 'MAC Address' field is populated with '00 90 4B 30 00 07'. The 'Clone My PC's MAC' button is highlighted.

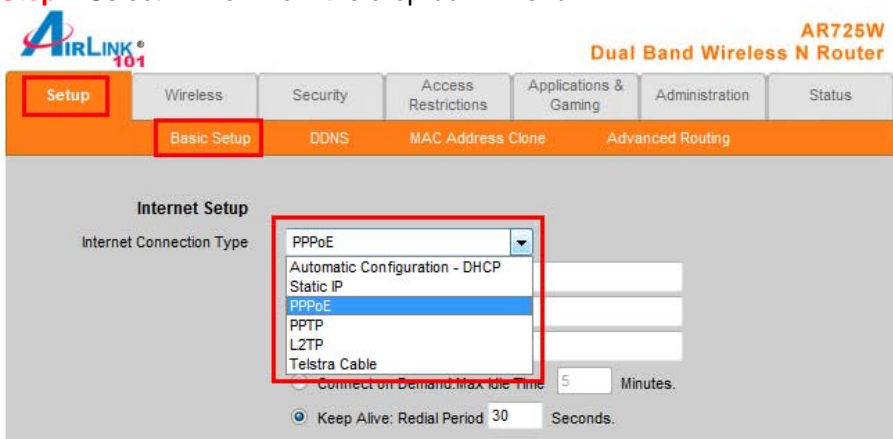
Apply Cancel

If you have trouble connecting to the Internet, please refer to **Section 4, Verifying Connection**.

DSL

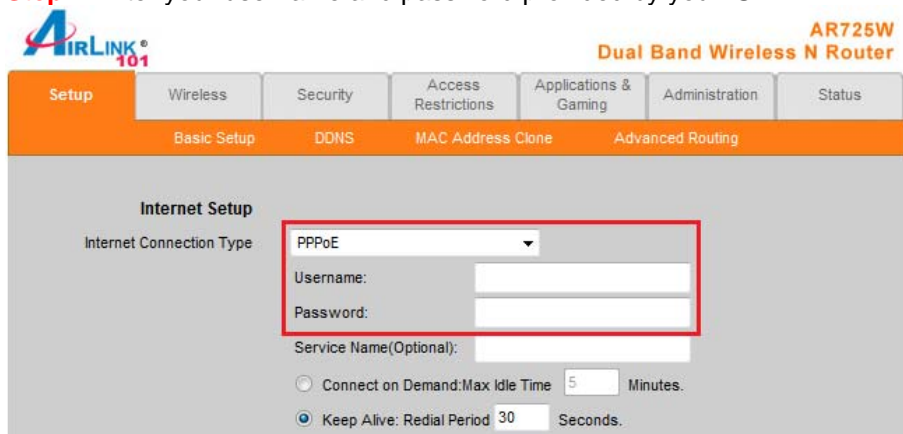
For DSL users, follow the steps below to configure the router.

Step 1 Select **PPPoE** from the drop-down menu.



The screenshot shows the web interface of an AR725W Dual Band Wireless N Router. The top navigation bar includes 'Setup' (highlighted), 'Wireless', 'Security', 'Access Restrictions', 'Applications & Gaming', 'Administration', and 'Status'. Below this is a secondary bar with 'Basic Setup' (highlighted), 'DDNS', 'MAC Address Clone', and 'Advanced Routing'. The main content area is titled 'Internet Setup' and shows 'Internet Connection Type' with a dropdown menu open. The menu options are: PPPoE (highlighted), Automatic Configuration - DHCP, Static IP, PPTP, L2TP, and Telstra Cable. Below the dropdown, there are radio buttons for 'Connect on Demand: Max Idle Time' (set to 5 Minutes) and 'Keep Alive: Rerial Period' (set to 30 Seconds).

Step 2 Enter your username and password provided by your ISP.



The screenshot shows the same web interface as Step 1. The 'Internet Connection Type' dropdown is now set to 'PPPoE'. The 'Username:' and 'Password:' input fields are highlighted with a red box. Below these fields is the 'Service Name(Optional):' field. The 'Keep Alive: Rerial Period' is still set to 30 Seconds.

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

Example: **username@sbcglobal.net**

Step 3 Click **Apply** to save the setting.

You should be able to connect to the Internet now with the wired computer. If you have trouble connecting to the Internet, please refer to **Section 4, Verifying Connection**.

Connect each of your wired computers to an available LAN port on the Router with an Ethernet cable, and then restart the computer. These computers should be able to connect to the Internet immediately.

Section 3

Configuring Wireless Settings

Step 1 Click on **Wireless** Tab and select **Manual** for Basic Wireless settings.

The screenshot shows the configuration interface for an Airlink 101 AR725W Dual Band Wireless N Router. The top navigation bar includes tabs for Setup, Wireless, Security, Access Restrictions, Applications & Gaming, Administration, and Status. The 'Wireless' tab is active, and the 'Basic Wireless Settings' sub-tab is selected. Below the sub-tabs, the 'Basic Wireless Settings' section is visible, showing the 'Wireless Configuration' options: Manual and Wi-Fi Protected Setup. Red boxes highlight the 'Wireless' tab, the 'Basic Wireless Settings' sub-tab, and the 'Manual' radio button.

Step 2 Select **Network Mode**.

If you have 802.11b/g/n 2.4GHz devices on the wireless network, select **BGN-Mixed**. If you have 802.11a/n 5GHz devices on the wireless network, select **AN-Mixed**.

Note: If your wireless computer cannot detect the router after you selected AN-Mixed, please make sure your wireless adapter supports 5GHz frequency band.

Step 3 Name your wireless network by changing the **SSID**.

Step 4 Click **Apply** to save the setting.

Basic Wireless Settings

Wireless Configuration: Manual Wi-Fi Protected Setup

Network Mode: BGN-Mixed

Network Name (SSID): default

Radio Band: Auto - 20/40MHz Channel

Wide Channel: Auto

Standard Channel: Auto

SSID Broadcast: Enabled Disabled

Apply Cancel

Step 5 Click on **Wireless Security** on the sub-menu bar. Select a desired **Security Mode**.

AIRLINK® 101 **AR725W**
Dual Band Wireless N Router

Setup **Wireless** Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings **Wireless Security** Wireless MAC Filter Advanced Wireless Settings

Wireless Security

Security Mode: Disabled

- WEP
- WPA Personal
- WPA2 Personal
- WPA Enterprise
- WPA2 Enterprise
- RADIUS
- Disabled

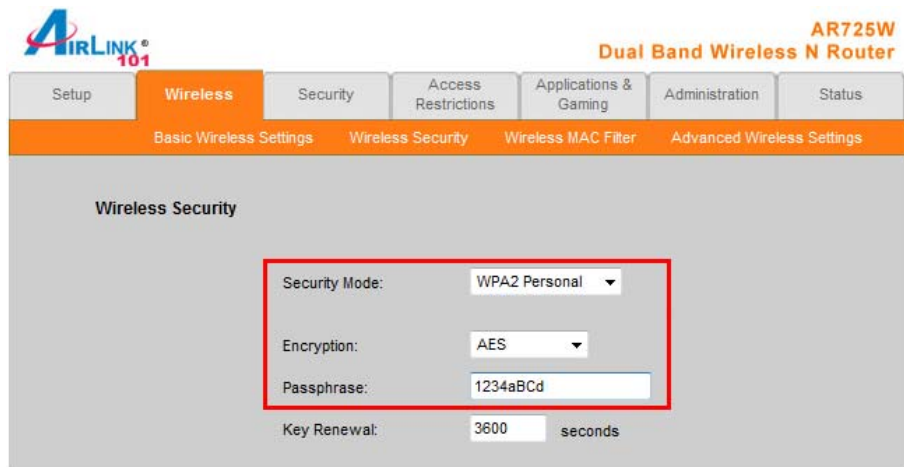
WPA2 Personal is the most secured encryption mode for general users. WEP is the most common encryption but the least secured. It is recommended to use WPA2 Personal AES for your wireless security if all the wireless devices on your network support this mode.

Please refer to the User's Manual in the provided CD for other security mode settings.

WPA2-Personal

Select **WPA2 Personal** for Security Mode, **AES** for Encryption, and enter a passphrases between 8 to 63 characters (alphanumeric, case sensitive).

Click **Apply** to save the setting.



The screenshot shows the configuration interface for an AIRLINK 101 AR725W Dual Band Wireless N Router. The page is titled "Wireless Security" and is part of the "Wireless" settings section. The "Security Mode" is set to "WPA2 Personal", the "Encryption" is set to "AES", and the "Passphrase" is "1234aBCd". The "Key Renewal" is set to "3600" seconds. The "Apply" button is highlighted with a red box.

Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Administration	Status
Basic Wireless Settings	Wireless Security	Wireless MAC Filter	Advanced Wireless Settings			

Wireless Security

Security Mode: WPA2 Personal ▼

Encryption: AES ▼

Passphrase: 1234aBCd

Key Renewal: 3600 seconds

WEP

Select **WEP** for Security Mode. Select 64-bit or 128-bit for Encryption:

In **Key 1**, if you selected **64 bits** encryption, enter **10** HEX characters (0~9, A~F) for each key; if you selected **128 bits** encryption, enter **26** HEX characters (0~9, A~F) for each key.

Click **Apply** to save the setting.

The screenshot shows the configuration interface for an AR725W Dual Band Wireless N Router. The 'Wireless Security' section is active, showing the following settings:

- Security Mode: WEP
- Encryption: 40 / 64-bit (10 hex digits)
- Passphrase: (empty field) with a 'Generate' button
- Key 1: abcdef1234
- Key 2: (empty field)
- Key 3: (empty field)
- Key 4: (empty field)
- TX Key: 1

Please use the same wireless settings (SSID and Wireless Security) for each computer or other network device you want to connect to the router wirelessly.

Section 4

Verifying Connection

If you have trouble connecting to the Internet, try the following steps.

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 Log in to the router and select the **Status** tab.

Step 6 Verify that the **Internet IP Address**, **Default Gateway**, and at least one of the **DNS** fields have valid numbers assigned to them (instead of all 0's).

The screenshot shows the web interface of an Airlink 101 Dual Band Wireless N Router (AR725W). The interface has a top navigation bar with tabs for Setup, Wireless, Security, Access Restrictions, Applications & Gaming, Administration, and Status. The Status tab is selected, and the page is divided into sections for Router Information and Internet Connection.

Router	Local Network	Wireless Network
Router Information		
Firmware Version:	1.0.01	
Current Time:	Wed Oct 15 12:32:02 2008 (GMT -08:00)	
Internet MAC Address:	00:90:4B:30:00:07	
Host Name:	AR725W	
Domain Name:	Airlink101	
Internet Connection		
Connection Type:	Automatic Configuration - DHCP	
Internet IP Address:	192.168.12.102	
Subnet Mask:	255.255.255.0	
Default Gateway:	192.168.12.1	
DNS 1:	192.168.1.1	
DNS 2:	0.0.0.0	
DNS 3:	0.0.0.0	
MTU:	Auto	

At the bottom of the page, there are two buttons: "IP Address Release" and "IP Address Renew".

If you see all 0's, click on the **IP Address Renew** button (for Cable Modem users) or the **Connect** button (for DSL users).

If each field has a valid number assigned, the router is connected to the Internet.

Section 5 (Optional)

Connecting to the Router with WPS

Airlink101 Dual Band Wireless N Router supports WiFi-Protected Setup (WPS) which allows you to connect your wireless computer with the router safely and easily. Your wireless adapter must support this feature as well. If not, you will need to set up the wireless security manually and you can skip this section.

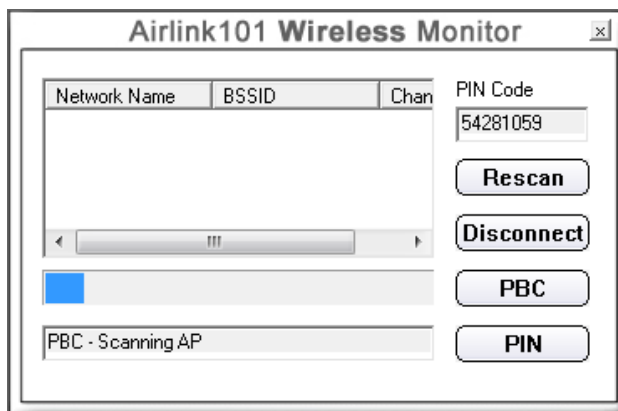
In the instructions below, we are going to use the Wireless Monitor utility that comes with Airlink101 Dual Band Wireless N adapters as example.

Step 1 Go to the computer with Airlink101 Dual Band Wireless N adapter **connected**.

Step 2 Push and hold the WPS button on the bottom of the Adapter until you see the WPS window pops up on the computer monitor.



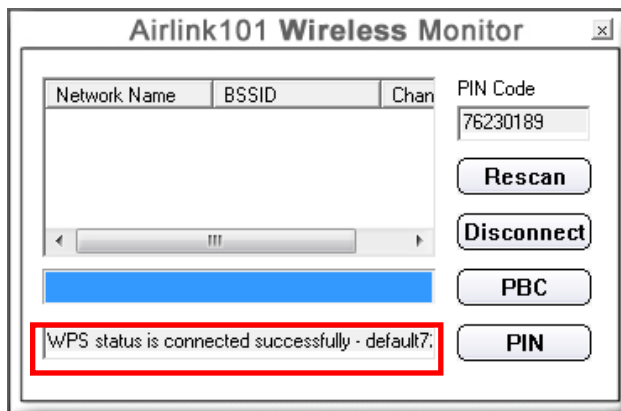
WPS window:



Step 3 Push the WPS button on the Dual Band Wireless N Router, and the WPS LED will start blinking.



Step 4 The Router will now start the handshake with the wireless adapter. When you see the window below, the connection has been established.



Section 6

Technical Support

E-mail: support@airlink101.com

Toll Free: 1-888-746-3238

Website: www.airlink101.com

*Theoretical maximum wireless signal rate derived from IEEE standard 802.11g and draft 802.11n 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. This product is based on IEEE draft 802.11n specification and is not guaranteed to be compatible with future versions of IEEE 802.11n specification. Compatibility with draft 802.11n devices from other manufactures is not guaranteed. Specifications are subject to change without notice. Photo of product may not reflect actual content. All products and trademarks are the property of their respective owners.
Copyright ©2009 Airlink101®