

# AIRLINK™ 101



802.11g Universal Wireless Repeater

Model # AP311W

## Quick Installation Guide

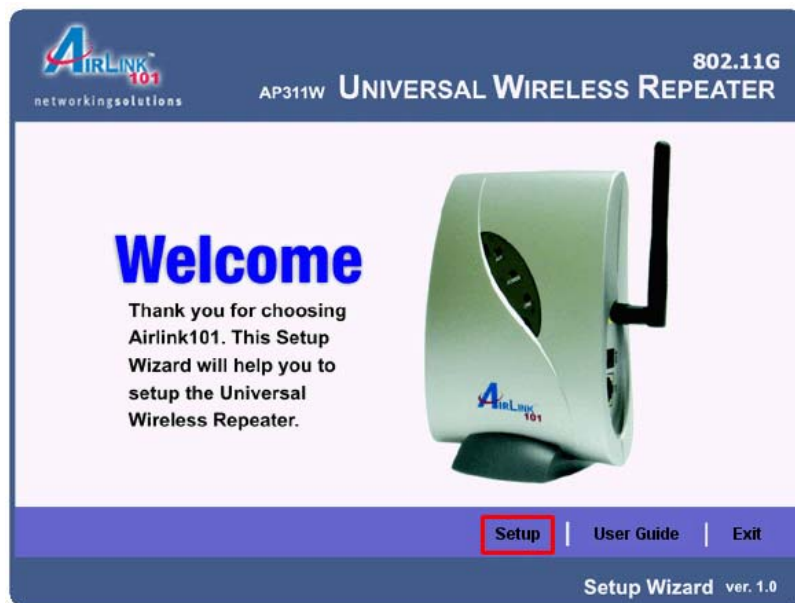
# Section 1

## Using the Setup Wizard

*This Quick Installation Guide only provides the basic instructions. For more detailed information, please refer to the User's Manual in the supplied CD.*

**Step 1** Verify the Repeater is powered on, insert the provided CD, and wait for the autorun screen to appear.

**Step 2** Click on **Setup**.



**Note:** If the autorun screen does not appear automatically, go to **Start, Run**, type **D:\setup.exe** (where **D** is the letter of your CD drive) and click **OK**.

**Step 3** Click **Next** and wait for the wizard to detect your access point / wireless router (this may take up to a minute).



**Step 4** Select the **SSID (Network Name)** of your access point / wireless router from the **Selection** list.

Click **Yes** if you see your SSID in the list and you don't have encryption enabled for your wireless network. Skip to **Step 8**.

Click **Yes** if you see your SSID and you have encryption enabled. Skip to **Step 6**.

Click **Manual** if you don't see your SSID in the list. Continue to **Step 5**.

**2** Please select the Wireless Access Point or Router you want to connect to. Once you have connected to an Access Point or Router the Setup Wizard will search the Universal Wireless Repeater on your network.

Selection	Status
default	MAC Address: 00-C0-49-54-11-E4
	SSID: default
	Channel: 6
	Security: Disabled

Click **Yes** if you want to connect to the Access Point you have selected. If you do not want to connect to this Access Point click **No**.

**Manual** | **No** | **Yes**

AP311W **UNIVERSAL WIRELESS REPEATER** Setup Wizard

**Step 5** Enter the **SSID (Network Name)** of your access point / wireless router in the **SSID** field and select the appropriate **Channel** and **Encryption** settings and click **Next**.

**Connect Manually** To connect to your Wireless network manually please enter your network settings below.

Please enter the connect wireless network settings.

SSID	
Channel	11 - 2.462GHz
Encryption	Disabled

You can manually connect to your Access Point, or Wireless Router by specifying the correct settings on this screen. Enter your **SSID**, **Channel**, and **Encryption** in these fields. To continue click **Next**. If you do not know your current wireless settings please click **Back**.

**Back** | **Next**

AP311W **UNIVERSAL WIRELESS REPEATER** Setup Wizard

**Note:** You may gather these information from the web configuration utility of your wireless router.

# WEP

**Step 6a** Select the same level of WEP encryption (**64-Bits / 128-Bits**) of your wireless network from the drop-down menu.

The screenshot shows the 'WEP Security Settings' page. At the top left is the 'AIRLINK 101 networkingsolutions' logo. The page title is 'WEP Security Settings'. Below the title is a 'Security' section with an orange oval icon. The text reads: 'If you would like to use Wired Equivalent Privacy (WEP), enter the required information below. Please refer to the User Guide on how to setup WEP from the WEB browser interface.' There are two main options: 'Passphrase' and 'Key 1'. The 'Security' dropdown menu is open, showing three options: 'WEP (64-Bits)', 'WEP (128-Bits)', and 'WPA-PSK'. The 'WEP (64-Bits)' option is highlighted. The 'Passphrase' field is empty, and the 'Key 1' field is also empty. At the bottom right, there are 'Back' and 'Next' buttons. The footer contains 'AP311W UNIVERSAL WIRELESS REPEATER' and 'Setup Wizard'.

**Step 6b** Enter the same **WEP key (password)** of your wireless network in the **Key 1** field and click **Next**. Skip to **Step 8**.

This screenshot shows the same 'WEP Security Settings' page. The 'Security' dropdown menu is now closed and set to 'WEP (64-Bits)'. The 'Passphrase' field remains empty. The 'Key 1' field is now highlighted with a red box, indicating where the user should enter their WEP key. The 'Next' button at the bottom right is also highlighted with a red box. The footer remains the same: 'AP311W UNIVERSAL WIRELESS REPEATER' and 'Setup Wizard'.

# WPA-PSK

**Step 7a** Enter the same **Pre-Shared Key (passphrase)** of your wireless network in the **Pre-Shared Key** field and click **Next**.



The screenshot shows the 'WPA Security Settings' page. At the top left is the 'AIRLINK 101 networkingsolutions' logo. The title 'WPA Security Settings' is in blue. Below the title is a grey box with the text: 'If you would like to use Wi-Fi Protected Access (WPA), enter the required information below. Please refer to the User Guide on how to setup WPA from the WEB browser interface.' Below this is a 'Security' section with a dropdown menu set to 'WPA-PSK'. To the right of the dropdown is the text: 'Please choose WEP (64-Bit) or WEP (128-Bit) or WPA-Pre Shared Key.' Below the dropdown is a 'Pre-Shared Key' text input field, which is highlighted with a red box. To the right of the input field is the text: 'The Pre-Shared Key is case sensitive and should be between 8 and 63 characters in length.' At the bottom right of the page are 'Back' and 'Next' buttons, with 'Next' highlighted in a red box. The footer contains 'AP311W UNIVERSAL WIRELESS REPEATER' and 'Setup Wizard'.

**Step 8** Select the Repeater from the list, verify the **Repeater Name** is **AP311W**, and click **Yes**.



The screenshot shows the 'Search Universal Wireless Repeater!' page. At the top left is the 'AIRLINK 101 networkingsolutions' logo. The title 'Search Universal Wireless Repeater!' is in blue. Below the title is a grey box with the text: 'Please select the Universal Wireless Repeater you wish to configure. Click **Yes** to configure the Network Address Settings of Universal Wireless Repeater. If you do not want to continue please click **No**.' Below this is a '3' in a blue circle. Below the circle is a 'Selection' table with one row containing 'default', which is highlighted with a red box. To the right of the table is a 'Status' table with the following data: MAC Address: 00-90-4B-3C-00-2B, SSID: default, Channel: 6, Security: Disabled, and Repeater Name: AP311W, which is highlighted with a red box. At the bottom right of the page are 'No' and 'Yes' buttons, with 'Yes' highlighted in a red box. The footer contains 'AP311W UNIVERSAL WIRELESS REPEATER' and 'Setup Wizard'.

Selection	Status
default	MAC Address: 00-90-4B-3C-00-2B SSID: default Channel: 6 Security: Disabled Repeater Name: AP311W

**Step 9** The default password for entering the Repeater's Web Configuration Utility is **admin**. To change the password, enter the new password in the **Password** field and click **Enter**.



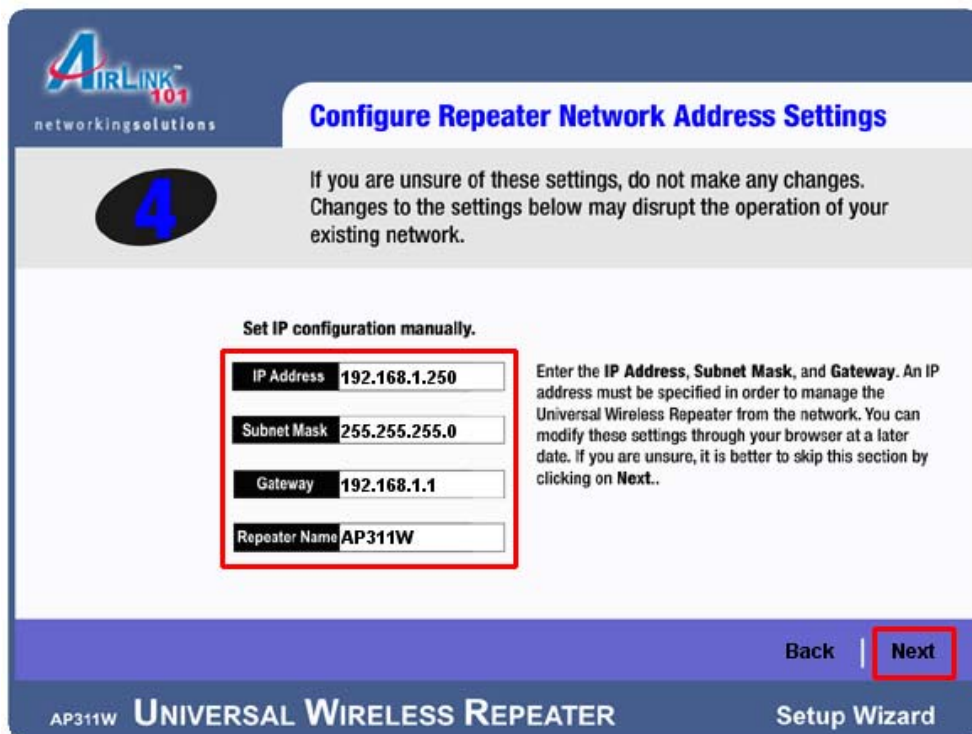
**PASSWORD**

Password

Please enter your password to continue. The default password is **admin**.

**Exit** **Enter**

**Step 10** If you know your Network IP Address settings, enter them in the applicable fields. If you are not sure, just click **Next**.



**AIRLINK 101**  
networkingsolutions

### Configure Repeater Network Address Settings

**4**

If you are unsure of these settings, do not make any changes. Changes to the settings below may disrupt the operation of your existing network.

Set IP configuration manually.

IP Address	192.168.1.250
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Repeater Name	AP311W

Enter the **IP Address**, **Subnet Mask**, and **Gateway**. An IP address must be specified in order to manage the Universal Wireless Repeater from the network. You can modify these settings through your browser at a later date. If you are unsure, it is better to skip this section by clicking on **Next**.

**Back** | **Next**

AP311W **UNIVERSAL WIRELESS REPEATER** Setup Wizard



**Step 11** Review your new settings and click **Yes** continue.

**AIRLINK 101**  
networkingsolutions

### Confirmation

**5**

#### Confirm NEW Settings

Old Settings	
IP Address	192.168.1.250
SSID	default
Channel	6
Security	Disabled
Repeater Name	AP311W

New Settings	
IP Address	<b>192.168.1.250</b>
SSID	<b>default</b>
Channel	<b>6</b>
Security	<b>Disabled</b>
Repeater Name	<b>AP311W</b>

Would you like to save the changes?    No    **Yes**

AP311W **UNIVERSAL WIRELESS REPEATER** Setup Wizard

**Step 12** Click **Exit** to exit the Setup Wizard.

**AIRLINK 101**  
networkingsolutions

802.11G  
AP311W **UNIVERSAL WIRELESS REPEATER**

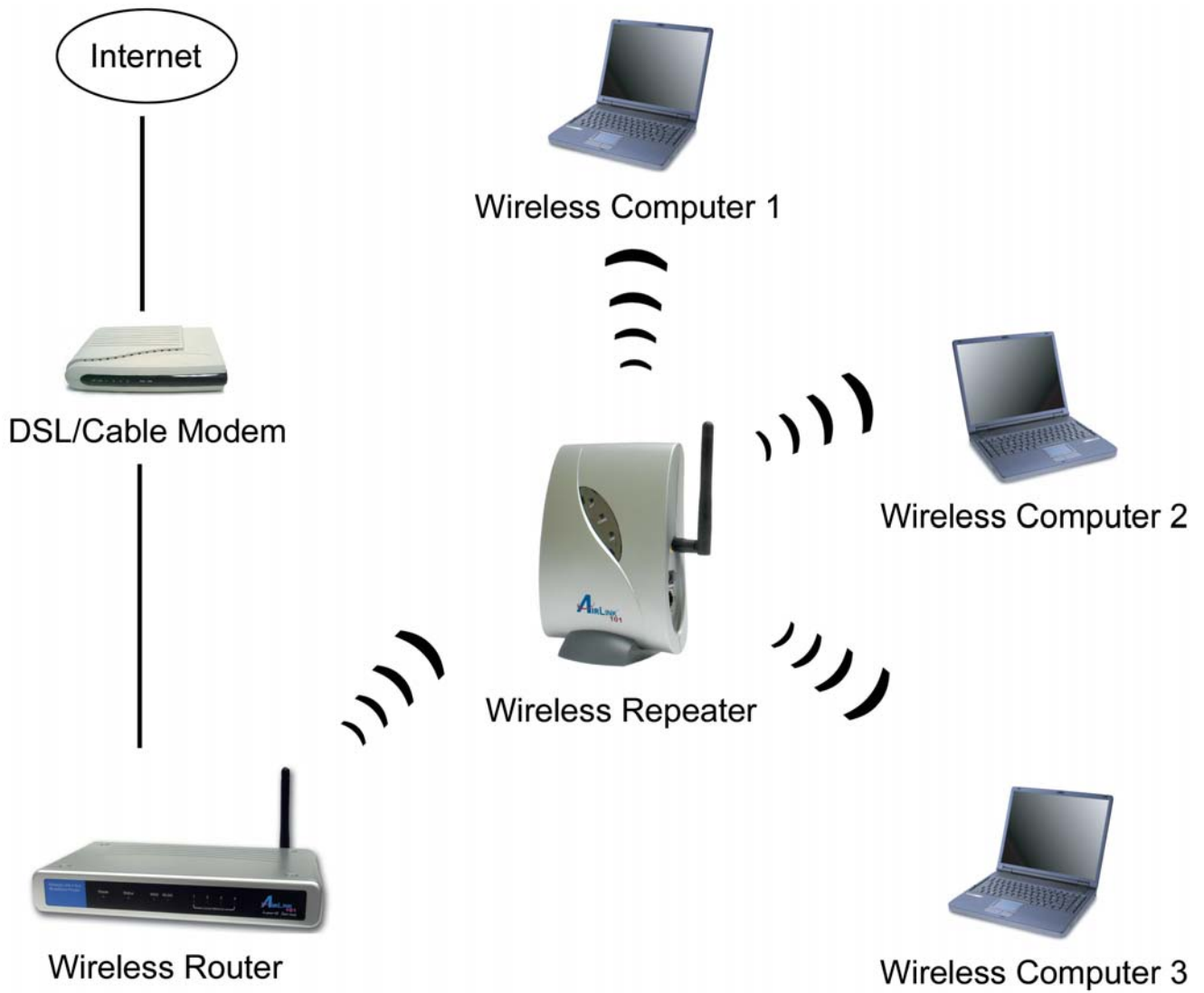
# Congratulations

Your Universal Wireless Repeater  
has successfully been configured!

**Exit**

Setup Wizard ver. 1.0

**Step 13** For best result, place the Repeater at a central location between the wireless router and your wireless computers.





## Section 2

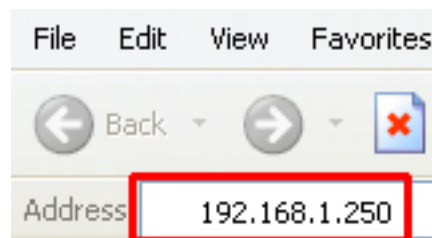
# Connecting to the Wireless Repeater

Once you have properly configured the Repeater, your wireless computers should be able to detect its signal.

Use your wireless network adapter's utility to detect and connect to the Repeater. You can identify the Repeater by its **MAC Address**, which is displayed in the **BSSID** field of your wireless network adapter's utility.

You can check the Repeater's **MAC Address** on its Web Configuration screen.

**Step 1** Open your Web Browser (Internet Explorer or Netscape), enter the default IP Address of the Repeater **192.168.1.250** in the Address Bar and press **Enter**.



**Note:** If you have changed the IP Address of the Repeater, enter the Repeater's new IP Address instead of the default.

**Step 2** Enter **admin** for both the User name and Password fields and click **OK**.



**Step 3** The Repeater's MAC Address is displayed on the **Basic Setup** page.

The screenshot displays the web configuration utility for the AIRLINK 101 Wireless Repeater. The interface is divided into several sections. At the top, there is a navigation bar with 'Setup' selected, and sub-tabs for 'Basic Setup', 'Password', and 'Firmware'. The 'Basic Setup' section is active, showing the 'Firmware Version' as v1.01, Jul 20, 2005, and the 'Name' as AP311W. Below this, the 'Wireless' section is expanded, showing the 'MAC Address' as 00:90:4B:3C:00:2B, which is highlighted with a red box. Other wireless settings include IP Address (192.168.1.250), Subnet Mask (255.255.255.0), Gateway (0.0.0.0), Mode (Mixed), SSID (default), SSID Broadcast (Enable), Channel (6), and Wireless Security (Disable). At the bottom, there are 'Save Settings' and 'Cancel Changes' buttons.

Section	Field	Value
Basic Setup	Firmware Version	v1.01, Jul 20, 2005
	Name	AP311W
Wireless	MAC Address	00:90:4B:3C:00:2B
	IP Address	192 . 168 . 1 . 250
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	0 . 0 . 0 . 0
	Mode	Mixed
	SSID	default
	SSID Broadcast	Enable
	Channel	6 (Regulatory Domain: USA)
	Wireless Security	Enable <input type="radio"/> Disable <input checked="" type="radio"/>
		Edit Security Settings

If the signal is weak, try reorienting the Repeater's antenna or relocate the Repeater to a different place.

For information about using the Repeater's Web Configuration Utility, please refer to the User's Manual on the provided CD.

# Section 3

## 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.

Copyright © 2005 AirLink101. All rights reserved. AirLink101, the stylized AirLink101 logo, specific product designations, and all other words and logos that are identified as trademarks and/or service marks are, unless noted otherwise, the trademarks and service marks of AirLink101. All other product or service names are the property of their respective holders. AirLink101 products are protected under numerous U.S. and foreign patents and pending applications, mask work rights, and copyrights.