



802.11g Wireless Cardbus Adapter

Model # AWLC3028

User's Manual

Rev. 1.1

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1. Introduction

Thank you for purchasing the 802.11g Wireless Cardbus Adapter. This Cardbus Adapter is designed to comply with IEEE 802.11g Wireless LAN standard and is suitable for notebook computers or desktop computers with a 32-bit Cardbus slot.

This Adapter supports WiFi Protected Access (WPA2-PSK and WPA-PSK) data encryption for higher wireless security that protects your wireless network from eavesdropping. Client users are required to authorize before accessing the APs or AP Routers, and the data transmitted through the network is encrypted/decrypted by a dynamically changing secret key.

1.1 Package Contents

Before you begin the installation, please check the items of your package. The package should include the following items:

- Wireless Cardbus Adapter
- Quick Installation Guide
- Installation CD (Driver/Utility/Manual)

1.2 Features

- Compatible with IEEE 802.11g high rate standard to provide wireless transmission speeds of up to 54Mbps data rate
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless security WPA2, WPA, WPA2-PSK, WPA-PSK, and 64/128-bit WEP
- Integrated microstrip dual diversity antenna for the multi-path environment
- Drivers support Windows 2000, XP and Vista
- Simple user setup & diagnostics utilities

2. Installation

2.1 Install Driver & Utility

This section provides instructions on how to install the **Wireless Cardbus Adapter**. The driver is installed along with the utility.

Insert the Cardbus adapter into an available Cardbus slot and turn on your computer.

Windows 2000/XP Users: After turning on the computer, Windows will launch the **Found New Hardware Wizard**. The Found New Hardware Wizard appears differently depending on your operating system.



Click **Cancel** to quit the wizard and insert the Installation CD into your CD drive. Skip ahead to **Step 1**

Windows Vista Users: After turning on the computer, Windows will install its built in drivers for this card. A popup window will appear telling you that the driver was installed correctly.



Once you see this message, continue to Step 1.

Step 1 The Autorun screen will pop up. Select Install Utility and Driver from the menu.

802.11g Wireless Cardbus Adapter
Install Utility and Driver View User Manual View Quick Installation Guide Install Adobe® Acrobat
Browse CD Exit

Note: If the Autorun screen doesn't appear automatically, or if you get a blank white screen, go to **Start**, **Run**, and type **D:\Utility\Setup.exe** (where **D** is the letter of your CD drive) and click **OK**.

Windows Vista Users: At this point, you may get a warning message like the one below. Make sure that you click **Allow** to continue with the installation.

User Account Control
In unidentified program wants access to your computer
User Account Control stops unauthorized changes to your computer. The source and purpose of this program are unknown. Don't run the program unless you have used it before or know where it's from.
Unidentified Publisher
Cancel I don't know where this program is from or what it's for.
Allow I trust this program because I've used it before or I know where it's from.
Details

Step 2 Click Next at the welcome screen.



Windows 2000/XP Users: Click Continue Anyway at the Windows Logo Screen. (For Windows 2000, click Yes at the Digital Signature Not Found prompt).

Hardwa	Hardware Installation				
<u>.</u>	The software you are installing for this hardware: Airlink101 802.11g Wireless Cardbus/PCI Adapter has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.				
	Continue Anyway				

Step 3 Click Finish to complete the installation.



Windows 2000/XP Users, skip ahead to section 2.2.

Windows Vista Users: Follow the instructions below to install the correct driver for your card.

Right click on My Computer on the desktop and select Properties.



Click on the Device Manager link on the left side of the screen.

Expand the **Network adapters** category. Right click on the **Realtek 8158 Extensible 802.11b/g Wireless Device** and click on **Update Driver Software**.



Click on Browse my computer for driver software



Click on Let me pick from a list of device drivers on my computer



Click Install this driver software anyway



When you see the following screen, the adapter is successfully installed.



2.2 Verify Driver Installation

To verify if the driver has been installed successfully, please perform the following steps.

Step 1 Right-click on My Computer from your desktop and select Properties.

Step 2 If you are using Windows XP/2000 select the **Hardware tab**, then click on **Device Manager**.

System Properties ? 🔀					
System Restore Automatic Updates Remote General Computer Name Hardware Advanced					
Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device. Device Manager					
Drivers Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers. Driver Signing Windows Update					
Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations.					
Hardware Profiles					
OK Cancel Apply					

If you are using **Windows Vista**, click on the device manager link on the left side of the screen.



Step 3 Click the "+" next to **Network adapters** from the list and verify that **AirLink101 802.11g Wireless Cardbus Adapter** is listed and no yellow question mark is beside it.



If **AirLink101 802.11g Wireless Cardbus Adapter** is not listed, or you see a yellow question mark beside it, you will need to reinstall the driver.

3. Configuring the Adapter

3.1 Windows 2000/XP Configuration

This section describes how to connect your wireless adapter to a wireless network.

Note to Windows XP Users:

You must disable the Wireless Zero Configuration Utility in order to use the bundled Wireless Utility. Please follow the steps below to disable XP's wireless utility.

Double-click on the **Wireless Network Connection Icon** in the system tray and then click on **Properties** or **Advanced**.



When the new wireless network connection properties window appears, go to the **Wireless Networks** tab, uncheck the **"Use Windows to configure my wireless network settings"** check box and click **OK**.

	neteo net on connector ne roperti	es 🤶
Ge	neral Wireless Networks Advanced	
C	Use Windows to configure my wireless network set	tings
	Available networks:	
	To connect to an available network, click Configure.	
2		onfigure
	108AP	
		Refresh
		Refresh rder listed fove up ove down
	IDBAP Image: Comparison of the second se	Refresh rder listed fove up ove down

If there is no Wireless Networks tab, skip ahead to Step 1

Step 1 To open the utility, double click on the Wireless Configuration Utility icon in the system tray at the bottom right-hand corner of your screen.



Step 2 Go to the **Available Network** tab, select the **SSID** (Network Name) of the wireless network you wish to connect to, and click **Add to Profile**.

👍 Airlink101 Cardbus/PCI Wireless Configuration Utility 🛛 🔲 🗖 💽						
Set Wizard(<u>S</u>) About(<u>A</u>)						
General Profile Available Network Advanced Status Statistics Wi-Fi Protect Set						
Available Network(s)						
	hannel	Encryption Network Authentication S				
i ugger		TKIP WPA Pre-Shared Key				
1 2WIRE994	6	WEP Unknown				
i autonetCC	6	None Unknown				
😵 default	6	None Unknown				
🕻 default680	6	TKIP WPA2 Pre-Shared Key 1				
<						
Refresh Note Double click on item to join	Refresh Add to Profile Note Double click on item to join/create profile.					
Show Tray Icon						
Radio Off Windows Zero Config						
Ready		NUM				

If the network you are attempting to connect to does not have encryption enabled, you will see the following box pop up on your screen:



Click **OK** to connect.

If the network you are attempting to connect to is configured for encryption, the following window will appear:

Wireless Network Properties:	
Profile Name:	
Network Name(SSID):	
This is a computer-to-computer(ad hoc) network; wireless access points are not used.	- 802 1x configure
Channel: 1 (2412MHz) 😒	EAP TYPE :
Wireless network security	атс 💌
This network requires a key for the following:	Tunnel :
Network Authentication: Open System 💙	
Data encryption: Disabled 🗸	Username :
ASCII PASSPHRASE	
	Identity :
Key index (advanced):	
Network key:	Password :
Confirm network key:	Certificate :
<u>QK</u> <u>Cancel</u>	

Enter the encryption settings for your router in the appropriate boxes and click **OK** to connect.

Step 3 You should now be connected. Click on the general tab to check the status of your connection. It should say **Associated** next to status, and there should be green bars next to **Signal Strength** and **Link Quality.**

Airlink101 Cardbus/PCI Wireless Configuration Utility					
Set Wizard(<u>S</u>) About(<u>A</u>)					
General Profile Available Network Advanced Status Statistics Wi-Fi Protect Set					
Status: Associated Throughput: Speed: 11 Mbps					
Encryption: None Tx:0.00%,Total:0.01%					
Signal Strength: 81%					
Link Quality: 62%					
Mac Address: Mac Address: 00:40:F4:F8:56:BF IP Address: 192.168.1.106 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.1 ReNew IP					
Show Tray Icon Disable Adapter					
Radio Off Windows Zero Config					
Ready	NUM				

3.2 Windows Vista Configuration

Windows Vista has its own built in utility, so the AirLink101 Wireless Configuration Utility is not used.



To connect to a network using the Windows Vista utility, right click on the networking icon down in the bottom right hand corner. Then click on **Connect to a network**.

Connect to a network		
Turn on activity animation Turn on notification of new networks		
Diagnose and repair Network and Sharing Center		
V 72 📑 🕒	())	1:24 PM

Select your network from the list and click **Connect**.

6	💇 Conr	nect to a network			
	Select a	a network to connec	t to		
	Sho	All	•		47
	1	default680	Security-enabled network		lte-
	2	trigger	Security-enabled network		litee
	S	default	Unsecured network		llte
	<u>Set up a c</u> Open Nei	connection or network twork and Sharing Center			<u>+</u> J
				Connect	Cancel

If the network you are connecting to does not have encryption enabled, you will see the following warning:

G 🚱 😨 Connect to a network	
default is an unsecured network	
Connect Anyway Information sent over this network might be visible to others.	
Connect to a different network	
	Cancel

Click **Connect Anyway** to connect to the network.

If the network you are attempting to connect to has encryption enabled, a box will appear asking you to enter your encryption key.

	- • •
🚱 👰 Connect to a network	
Type the network security key or passphrase for default680	
The person who setup the network can give you the key or passphrase.	
Security key or passphrase:	
Display characters	
If you have a USB flash drive with network settings for default680, insert it now.	
Connect	Cancel

Enter your encryption key into the box and click **Connect** to establish a connection. If you do not know what your encryption key is, contact your router manufacturer for assistance.

You should now be connected to your network.

		- • ×
🚱 👰 Co	nnect to a network	
Succe	essfully connected to default	
Sav	e this network] S <u>t</u> art this connection automatically	
		Close

To save the connection settings so that you don't have to go through the connection setup process each time you start your computer, check the boxes for **Save this network** and **Start this connection automatically**, then click **Close** to complete the setup.

3.3 Troubleshooting

If you are experiencing problems with the connection (unable to connect, low signal strength, slow connection speed, not working, unstable wireless connection) you will want to tune your router's signal by changing channels on the router.

You do not need to change the channel on the card, it will automatically pick up the new channel after you reboot. The only channel that you need to change is the router's channel.

Your router has 11 different channels to choose from. Start with channel 1 and work your way up. Each time you change the channel on the router, make sure that you restart the wireless computer before trying to connect again. Keep going through the channels until you find one that gives you a stable connection.

For instructions on changing channels, refer to the documentation that came with your router.

4. Wireless Configuration Utility

This section describes the various functions of the Wireless Configuration Utility that you can configure, including the settings of wireless encryption.

4.1 General

The **General** tab provides you with the status of the current connection, including signal, network name (SSID), IP Address and router channel.

4 Airlink101 Cardbus/PCI Wireless Configuration Utility	
Set Wizard(<u>S</u>) About(<u>A</u>)	
General Profile Available Network Advanced Status Statistics Wi-Fi Protect Set	
Status: Associated Throughput: Speed: 11 Mbps Type: Infrastructure Encryption: None Tx:0.00%,Total:0.01% SSID: default Signal Strength: 81% Link Quality:	
Network Address:	
Mac Address: 00:40:F4:F8:56:BF IP Address: 192.168.1.106 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.1	
ReNew IP	
Show Tray Icon	
Radio Off Windows Zero Config	
Ready	NUM

4.2 Profile

The **Profile** tab lists current profiles and allows you to create new profiles.

🕢 Airlink101 Cardbus/PCI Wireless Configuration Utility				
Set Wizard(<u>S</u>) About(<u>A</u>)				
General Profile Available Network Advant Available Profile(s) Profile Name If default	sSID default	Wi-Fi Protect Set Add Remove Edit Duplicate Set Default		
Show Tray Icon	Disable	e Adapter		
Radio Off	🗌 Windo	ws Zero Config		
Ready		NUM		

Click **Add** to create a new profile.

Select a profile and click **Edit** to edit an existing profile.

Select a profile and click **Set Default** to activate a profile.

Wireless Network Properties:	×
Profile Name:	
Network Name(SSID):	
This is a computer-to-computer(ad hoc) network; wireless access points are not used. Channel: 1 (2412MHz) Wireless network security This network requires a key for the following: Network Authentication: Open System Data encryption: Disabled	802.1x configure EAP TYPE : GTC Tunnel : Username :
Key index (advanced): 1 V Network key: Confirm network key:	Identity : Password : Certificate :
OK <u>C</u> ancel	

Enter a **Profile Name** and **SSID**. You can also configure your encryption settings for the profile. Click **OK** to save the profile.

4.3 Available Network

🛃 Airlink101 Cardbus/PCI Wireless	Configuration Utility	_ 🗆 🗙
Set Wizard(<u>S)</u> About(<u>A</u>)		
General Profile Available Network Adva	nced Status Statistics Wi-Fi Protect Set	
Available Network(s)		
SSID Channe	el Encryption Network Authentication	5
👗 trigger	1 WEP Unknown	
3	6 TKIP WPA Pre-Shared Key	
& 2WIRE994	6 WEP Unknown	
i autonetCC	6 None Unknown	
Y default	6 None Unknown	
A default680	6 TKIP WPA2 Pre-Shared Key	1
		>
Refresh	Add to Profile	
Double click on item to join/create profile		
Show Tray Icon	Disable Adapter	
🗌 Radio Off	🗌 Windows Zero Config	
Ready		NUM

Available network lists all of the networks that the adapter sees in your area. Clicking **Refresh** will refresh the list. To connect to a network, select a network from the list and click **Add to Profile**.

4.4 Advanced

👍 Airlink101 Cardbus/	PCI Wireless Cont	figuration Utility	
Set Wizard(<u>S</u>) About(<u>A</u>)			
General Profile Available	Network Advanced	Status Statistics Wi-Fi Protect Set	
Power Save None Min Max Wireless Mode: 802.11g/b Preamble Mode: Auto Channel Plan: MKK1 PSP XLink Mode XLink Enable	Urbo Mode OFF ON ● AUTO	Fragment Threshold: 2432 256 2432 RTS Threshold: 2432 0 2432 VOL 2432 Please Input MAC Address: 00 00 : 00 : 00 Wake Up :	
Set Defau	lts	Apply	
Show Tray Icon		Disable Adapter	
🔲 Radio Off		🔲 Windows Zero Config	
Ready		NUM	

This section contains various advanced wireless settings. These settings are for advanced configuration ONLY. If you do not know what these settings are for, do not change them. Selecting the wrong settings will prevent your adapter from operating properly. If you accidentally change settings, you can click **Set Defaults** to undo your changes.

4.5 Status

🛃 Airlink101 Cardbus/PCI Wire	less Configuration Utility	
Set Wizard(<u>S)</u> About(<u>A</u>)		
General Profile Available Network	Advanced Status Statistics Wi-Fi Protect Set	
Manufacturer NDIS Driver Version Short Radio Header Encryption Authenticate Channel Set MAC Address Data Rate (AUTO) Channel (Frequency) Status SSID Network Type Power Save Mode Associated AP MAC Up Time (hh:mm:ss)	 Airlink101 5.1096.129.2007 Yes Disabled Open MKK1 00:40:F4:F8:56:BF 11 Mbps 6 (2437 MHz) Associated default Infrastructure None 00:14:A5:82:89:0A 0:12:32 	
🗹 Show Tray Icon	🗌 Disable Adapter	
Radio Off	🗌 Windows Zero Config	
Ready		NUM

The status section provides you with a list of information about the current status of the adapter.

4.6 Statistics

Airlink101 Cardbus/PCI Wireless Configuration	Utility	
Set Wizard(2) About(A)	tatistics Aut II Destant Carl	1
General Profile Available Network Advanced Status St	WI-FI Protect Set	
Counter Name	Value	
Tx OK	1777	
Tx Error	86	
Tx Retry	1416	
Tx Beacon OK	0	
Tx Beacon Error	0	
Rx OK	265	
RX Packet Count	205	
Rx (RC Error(0-500)	20	
Rx CRC Error(500-1000)	3	
Rx CRC Error(>1000)	2	
Rx ICV Error	0	
		n
	Reset	J
I Show Tray Icon	Disable Adapter	
Radio Off	Windows Zero Config	
Ready		NUM

This section provides transmit and receive statistics.

4.7 Wi-Fi Protect Setup

Wi-Fi Protect Set or **WPS** is a new and convenient way to secure your wireless connection. In order to use it, your wireless router must also support **WPS**. There are two ways to configure **WPS**: **PIN** and **PBC** (Push button method).

Airlink101 Cardbus/PCI Wireless Configuration Utility	
Set Wizard(<u>5</u>) About(<u>A</u>)	
General Profile Available Network Advanced Status Statistics Wi-Fi Protect Set	
Wi-Fi Protected Setup An easy and secure setup solution for Wi-Fi network PIN After pushing the PIN button.Please enter the PIN code into your AP. PIN	
Push Button After pushing the PBC button.Please push the physical button on your AP . PBC	
Show Tray Icon	
Radio Off Windows Zero Config	
Ready	NUM

For the PIN Method, click on PIN



Click **Yes** to select your router from the list.

W	/i-Fi Protected Se	etup - Select AP	×
	WPS AP Name default680	WPS AP MAC 00:DE:FA:15:00:01	
	Select	Refresh	

Then click Select

Wi-Fi Protected Setup - PIN method 🛛 🔀
Wi-Fi Protected Setup - PIN method
Please enter the following PIN code into your AP .
PIN Code : 95525365
Status : Initial WPS
Cancel

Write down the PIN Code and enter it into your router.

Airlink101 Cardbus/PCI Wireless Configuration Utility			
Set Wizard(5) About(A)			
General Profile Available Network Advanced Status Statistics Wi-Fi Protect Set	:		
Wi-Fi Protected Setup			
An easy and secure setup solution for Wi-Fi network			
	_		
After pushing the PIN button.Please enter the PIN code into your AP.			
Push Button After pushing the PBC button.Please push the physical button on your AP . PBC			
Show Tray Icon			
Radio Off Windows Zero Config			
Ready	NUM		

For the push button method, click on **PBC**.

Wi-Fi Protect Setup - PBC Method	×
Wi-Fi Protected Setup - PBC method If there is more then one AP on the PBC mode,there will be "Session Overlap".Please using PIN method or wait for a while push the button again. Status : Initial WPS	
Complete :]
PBC Cancel	

Go to your router and press the **WPS** button to complete the configuration.

4.8 Configuring Encryption

If a network requires encryption settings to be entered manually, you will see the following box when you attempt to connect:

Wireless Network Properties:	
Profile Name:	
Network Name(SSID):	
This is a computer-to-computer(ad hoc) network; wireless access points are not used. Channel: 1 (2412MHz) Wireless network security This network requires a key for the following: Network Authentication: Open System Data encryption: Open System Shared Key WPA-PSK	802.1× configure EAP TYPE : GTC Tunnel : Username :
ASCII PASSPHRASE WPA2-PSK WPA 802.1X WPA2 802.1X WPA2 802.1X	Identity :
Network key:	Password :
Confirm network key:	Certificate :
OK <u>C</u> ancel	

For WEP encryption select Shared Key from the Network Authentication box.

Wireless Network Properties:	×
Profile Name:	
Network Name(SSID):	
This is a computer-to-computer(ad hoc) network; wireless access points are not used. Channel: 1 (2412MHz) V Wireless network security This network requires a key for the following:	B02.1x configure EAP TYPE : GTC Tunnel :
Data encryption: WEP	Username :
Key index (advanced):	Identity :
Network key:	Password :
Confirm network key:	Certificate :
<u>QK</u> <u>Cancel</u>	

For data encryption select WEP

Enter the encryption key in the **Network Key** box and enter it again into the **Confirm network key** box.

Click **OK** to save your settings.

For WPA encryption Select WPA-PSK from the Network Authentication box.

Wireless Network Properties:	
Profile Name:	
Network Name(SSID):	
This is a computer-to-computer(ad hoc) network; wireless access points are not used. Channel: 1 (2412MHz) Wireless network security This network requires a key for the following: Network Authentication: WPA-PSK Data encryption: TKIP	802.1× configure EAP TYPE : GTC Tunnel :
Key index (advanced):	Identity : Password :
Confirm network key:	Certificate :
<u>OK</u> <u>C</u> ancel	

For data encryption select **TKIP** or **AES**

Enter the encryption key in the **Network Key** box and enter it again into the **Confirm network key** box.

Click **OK** to save your settings.

4.9 About



The **About** window provides information about the Wireless Configuration Utility version and the current driver version.

Appendix A – Specifications

Frequency Band

- 2.412 2.484 GHz ISM bandwidth Standards
 - IEEE 802.11g
 - IEEE 802.11b

Channel

- USA: 11
- Europe: 13
- Japan: 14

Interface

Cardbus Type II specification 32bit data bus

Antenna type

• Internal dual diversity printed antennas

Security

- 64 / 128-bit WEP encryption
- WPA-PSK, WPA2-PSK, WPA, WPA2

Diagnostic LEDs

- Link
- ACT

Transmission Rate

1, 2, 5.5, 6, 11, 12, 18, 24, 36, 48, 54Mbps (auto sense)

Transmitted Power

- Minimum 15dBm@ 802.11b
- Minimum 13dBm@ 802.11g

System requirement

- Windows 2000/XP/Vista
- Available Cardbus slot

Dimensions

- 115 x 54 mm (L x W)
- Weight
 - 1.6oz

Environment

- Operating Temp: 0°C to 40°C
- Storage Temp: -10°C to 70°C

Warranty

Limited 1-year warranty

Safety Approvals

• FCC and CE

Appendix B – Information

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

European Union Notice:

Radio products with the CE marking comply with the R&TTE Directive (1999/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

- EN 60950 Product Safety
- EN 300 328 Technical requirement for radio equipment
- EN 301 489-1/-17 General EMC requirements for radio equipment

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. Specifications are subject to change without notice. All products and trademarks are the property of their respective owners. Copyright ©2007 Airlink101®