# 802.11a/b/g Wireless LAN Mini PCI Card

# Quick Install

# Caution

This Quick Installation is meant to help you install the product quickly and easily. For detailed instructions on installation, configuration, and further setup options please consult the User Manual.





Make sure the computer is turned off. Remove the expansion slot cover from the computer.



Carefully slide the Wireless mini PCI Card into the mini PCI slot. Push evenly and slowly and ensure it is properly seated.



After the device has been installed to your computer, turn on your computer. Windows will detect the new hardware and then automatically copy all the files needed for networking.



Exit all Windows programs. Insert the CD-ROM into the CD-ROM drive of your computer. If the CD-ROM is not launched automatically, go to your CD-ROM drive (e.g. drive D) and double-click on **Setup.exe** 



The main screen of the CD-ROM opens. Select **Install Driver & Utility** to start the installation.





When the **License Agreement** screen appears, click **Yes** to accept and continue.









Click **Finish** to complete the software installation.

Wireless Hotwork Card	Settap
	Setup has limited installing
	When Lan Cert Setup is almost complete
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# Installation Verification

To verify that the device has been properly installed in your computer and is enabled, go to Start —→ Settings —→ Control Panel —→ System (Hardware) —→ Device Manager

Expand the Network adapter item, if the **Wireless :AN Crad - A/B/G** is listed, it means that your device is properly installed and enabled

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	TEST
÷	🛃 Computer
÷-4	Disk drives
÷	🕎 Display adapters
÷.	DVD/CD-ROM drives
÷.	Floppy disk controllers
÷.	退 Floppy disk drives
	IDE ATA/ATAPI controllers
÷-1	🧽 Keyboards
÷.	Mice and other pointing devices
	👰 Monitors
ė-1	Network adapters
	📲 Realtek RTL8139 Family PCI Fast Ethernet NIC #2
	Wireless LAN Card - A/B/G
	PCMCIA adapters
÷.	Ports (COM & LPT)
÷	Recessors
÷(	🕘 Sound, video and game controllers
÷-4	Storage volumes
÷	🚽 System devices
÷-6	🚔 Universal Serial Bus controllers

Using the Utility

All settings are categorized into SIX tabs, including Profile Tab, Link Status Tab, Site Survey Tab, Statistics Tab, Advanced Tab and About Tab

#### **Profile Tab**

STEP

Profiles can bookkeeping your favourite wireless settings among your home, office and other public hotspot. You may save multiple profiles, and activate the correct one at your preference.

Profile Name	SSID	Channel	Authentication		Network Ty
V PROF1	AirLive	Auto	Open	None	Infrastructur
Add		ete	Edit	1	Activate

### Link Status Tab

The Link Status screen displays the Link Quality, Signal Strength and some other current linking information.

ofile Link Status S	ite Survey S	tatistics A	dvanced	About	
Status :	AirLive <>	00-E0-98-	12-34-56		
Extra Info :	Link is Up [	TxPower:1	00%]	Channel : 6 <> 3	2437000 KHz
Link Speed :	Tx (Mbps)	Г	12.0	Rx (Mbps)	1.0
Throughput :	Tx (Kbps)	Г	0.0	Rx (Kbps)	3.5
Link Quality :	Normal Weak	65%			dBm
Signal Strength :	Weak	20%			abiii
Signal Strength2	Weak	23%			
Noise Level :	Nonnai	70%			

#### Site Survey Tab

The Site Survey screen displays a list of infrastructure and ad-hoc networks available for connection.

SSID	BSSID	Sig	C	Encrypt	Authent	Network T.
cc-11g AirLive	00-0A-79-6E-20 00-E0-98-12-34	47% 23%	5	TKIP;A None	WPA-P Unknown	Infrastruct
B055-11g	00-0F-66-EE-16	23%	8	TKIP	WPA-P	Infrastruct
00-11g	00-20-A6-4F-2E	26%	10	TKIP	WPA-P	Infrastruct
(						

#### Advanced Tab

The Advanced tab lets you configure the advanced wireless settings including wireless security settings.

Wireless mode	02.11 A/B/G mi	°	B/G	our Country Region Coo 0: CH1-11
		1	A	7: CH 36,40,44,48,
B/G Protection Auto	•			
Tx Rate Auto	•	E LEAP tur	on Cl	CKM
		Enable R		
Enable TCP Window S	ize	Limit		Channel Measurements milliseconds (0-2000
Fast Roaming at 70	dBm			
Y Turn off BF	1			Apply

#### AboutTab

The About screen dispalys the basic version information about the Configure Version, Driver Version, EEPROM Version, Firmware Version.

Config Version :	0.9.6.0	Date :	01-23-2006
Driver Version :	1.0.4.0	Date :	01-19-2006
EEPROM Version	n: 1.0	Firmware Versio	on: 1.2
IP Address :	192.168.1.35	Phy_Address :	00-12-0E-2B-09-42
	255.255.255.0	Default Gateway :	1921001264

#### **Statistics Tab**

The **Statistics** screen displays the statistics on your current network settings.

Wireless Utility		
ofile   Link Status   Site Survey Statistics   Advanced   4	About	
Transmit Statistics		
Frames Transmitted Successfully	=	379
Frames Transmitted Successfully Without Retry		367 12 2 0
Frames Transmitted Successfully After Retry(s)		
Frames Fail To Receive ACK After All Retries		
RTS Frames Successfully Receive CTS		
RTS Frames Fail To Receive CTS		0
Receive Statistics		
Frames Received Successfully	=	31
Frames Received With CRC Error	=	50811
Frames Dropped Due To Out-of-Resource	=	0
Duplicate Frames Received	=	0
		Reset Counter
		ок

# **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 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.

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.

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

# **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.

# This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna. As long as 2 conditions above are met, further transmitter test will not be required. However, theOEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

**IMPORTANT NOTE:** In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

# End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: MQ4WCM6002".

# Manual Information That Must be Included

The users manual for OEM integrators must include the following information in a prominent location "IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, theantenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.