WUBR-170GN Wireless-GN USB Module

User's Manual

Version 1.0

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September 2010

1. Package Contents

Before you starting to use this wireless usb module, please check if there's anything missing in the package, and contact your dealer of purchase to claim for missing items:

Package Contents

Please make sure you have the following in the box:

• Wireless-GN USB Module

Note: if anything is missing, please contact your vendor

2. WLAN Adapter Quick installation Guide

Please follow the following instructions to use Ralink configuration utility to connect to wireless access point.

3. Network Card Installation

1. Insert the USB wireless module into an empty USB 2.0 port of your computer when computer is switched on.

Never use force to insert the card, if you feel it's stuck, flip the card over and try again.

2. The following message will appear on your computer, click 'Cancel'.



- 3. Turn "**On**" your computer. Insert the Driver CD then wait for the Autorun prompt like below.
- 4. If Autorun does not work, please browse the CD content and double click the

" Autorun.exe ".

- 5. Click the "Driver" for beginning the installation.
- 6. Click "Next" and then follow the instructions on the screen to continue the installation.

Please read the following licens	e agreement carefully.	
	RALINK Wireless Utility for Windows 98/ME/2000/XP/Vista Copyright (C) RALINK TECHNOLOGY, CORP. All Rights Reserved.	
	Thank you for purchasing RALINK Wireless product!	
Ralink	SOFTWARE PRODUCT LICENSE The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The SOFTWARE PRODUC is licensed, not sold. 1. GRANT OF LICENSE. This End-User License Agreement grants you the following rights:Installation and Use. You may install and use an unlimited number of copies of the SOFTWARE PRODUCT.	Ţ
	Reproduction and Distribution. You may reproduce and distribute an unlimited number of copies of the SOFTWARE PRODUCT; provided that each copy shall be a true and comple copy, including all copyright and trademark notices, and shall be accompanied by a copy o this EULA. Copies of the SOFTWARE PRODUCT may be distributed as a standalone prod or included with your own product.	ite f uct
	I accept the terms of the license agreement	nt
	I do not accept the terms of the license agreement	

7. You can choose the configuration tool used to configure the wireless network card here. It's recommended to select 'Ralink Configuration Tool', which provides fully access to all function of this wireless network card. If you prefer to use the wireless configuration tool provided by Windows XP or Vista, please select 'Microsoft Zero Configuration Tool', then click 'Next'.

If you see 'Found New Hardware' message again, please ignore it and wait.

Ralink Wireless LAN - Insta	illShield Wizard	
Setup Type Select the setup type that best	t suits your needs.	
	Select Configuration Tool	
	Ralink Configuration Tool Microsoft Zero Configuration Tool	
Ralink		
InstallShield	< <u>B</u> ack <u>N</u> ext> Cancel	1

8. When you see this message, please click 'Finish' to complete the driver installation process.

Ralink Wireless LAN - Install	hield Wizard	
Ready to Install the Program The wizard is ready to begin insta	illation.	
	Click Install to begin the installation	
Ralink	If you want to review or change any of your installation settings, click Back. Click Cancel to exit th wizard.	ie.
InstallShield	< Back Install Cancel	

4. Connect to Wireless Access Point

1. After installation is complete, wireless configuration utility will be shown as an icon at the lower-right corner of your windows desktop. Please click the icon by right mouse key, and select 'Launch Config Utilities'.



2. Configuration utility will scan for wireless access points automatically, and all found access points will be displayed. Please select an access point you wish to connect, and click 'Connect'.

If the wireless access point you want to connect does not show here, please click 'Rescan'

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Prof	- ile	Network	Advanced) Statistics	www.	Ø WPS	Radio On/Off	About	
Sorted by >	**	Ø SSID	🙆 Cha	nnei 🥝) Signal		Show dBm		
			102	BQ	34%				~
00160193B3	86		10		5%				
13CH AP			<i>b</i> 13	Ba	81%				
1590			И	Ba e	94%				-
1590			256	r 180 •	70%				
azaz123			ць, 1		76%				
BW1250g			1211	Y Ba	99%				
Rescan	n	Add to Profile	Con	neot					
	Status >>	Disconnected				Link	Quality >> 0%		
Ext	tra Info >>				Í	Signal	Strength 1 >> 0%		
Ċ	Channel >>					Signal	Strength 2 >> 0%		
Authent	tication >>					Noise	Strength >> 0%		
Enc	ryption >>								
INETWO	rk Type >> address >>				Transmit —	55	Max		
SU	ub Mask >>				Throughout		42423/392534		
Default G	ateway >>				moughput	<i></i>	29.664 Kbps		
		HT -			Receive				
DW	- (-	111	CNIDO		Link Speed	>>	Max		
GI >>	n/a	MCS >> n/a	SNR1 >> n/a		Throughput	>>	89.036 Kbps		

3. If the wireless access point uses encryption, you have to input WEP passphrase or WPA preshared key. Please ask the owner of the wireless access point you want to connect, and input the correct passphrase / preshared key here, then click 'OK'. If the value you inputted here is wrong, you will not be able to connect to wireless access point.

Profile	لمطل Network	Advanced	Statis	ti cs	waxa	() WPS	Radio On/Off	R About
Sorted by >>	SSID	🙆 Ch	annel) Signal		Show dBm	
		104	Bg	- AF L	10%			
13CH_AP		13	Вg		100%			
1590		Ø1	Bg	Q	96%			
1590		Ь °	69	9	65%			
azaz123		b 2	B9		86%			
BW1250g		11	69		100%			
FAE-demo		1 /27	69	7	100%			
	<i></i>			*				-
Auth. \ Encry. Auth	8021> entication >>	Open 🔻	,	Encry	yption >> Vi	YEP 🔻	🗌 802.1X	
Auth. \Encry. Auth WPA Pre	8021> nentication >> shared Key >>	Open 🔻	0	Encry	yption >> W	ΈP 🔻	802.1X	
Auth. \ Encry. Auth WPA Pre Weg	entication >> shared Key >>	Open 🔻		Encry	yption >> W	″EP ▼	002.1X	
Auth. \ Encry. Auth WPA Pre Wep	802()> nentication >> shared Key >> o Key Key#1	Open Hexadecimal	. ▼ [Encry	yption >> W	rep 🔻	802.1x	word
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Auth. \ Encry. Auth WPA Pre Weg	2021) nentication >> shared Key >> o Key O Key#1 O Key#2 O Key#3 O Key#4	Open Hexadecimal Hexadecimal Hexadecimal Hexadecimal	• • • •	Encry	yption >> W	rEP ▼	802.1x Show Passu	word

Authentication type is selected automatically, please don't change it.

4. If the wireless access point is successfully connected, you'll see a "Status' (SSID and MAC address of the wireless access point or wireless device you connected to) message displayed at the lower-left corner of wireless configuration utility window. Click 'X' to exit.

RaUI									×
Profile	لمبلغ Network	ر Advanced	Statis	tics	NAMA NAMA	Ø WPS	Radio On/Off	About	-
Sorted by >>	SSID	O Char	nel	- AP 1) Signal		Show dBm		
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13CH 4P		<i>и</i> ла 13	Ba		100%				
1500		<u>ь</u>	80	•	0494				
1990		14		- T	90%				
BW1250g		Ø11	bЧ	_	86%				
FAE-demo		67	P 8	T	100%				
GIANT		6	bg	7	100%				•
H2O		11	bg	7	10%				~
Rescan	Add to Profile	Conr	nect	1					
Status >:	1590 <> 00-0	E-8E-0C-04-C9				Lini	Quality >> 100%		_
Extra Info >:	 Link is Up [TxP 	Power:100%]				Signal 3	trength 1 >> 87%	_	_
Channel >:	> 1 <> 2412 MH	łz				hisiss	Strongth xx 24%		_
Authentication >:	> Open				-	NOISE	Strength 22 20%		
Network Type >:	≥ WEF > Infrastructure				Tennomit				
IP Address >:	> 210.66.97.139	-			Link Speed	d >> 1.0 Mbps	Max		
Sub Mask >:	> 255.255.255.0	i.			Threusher	+ >> 0.000 Khee	Australia (1970)		
Default Gateway >:	210.66.97.17				moognpo	10 >> 0.000 Kbps	124.544 Khos		
					Receive -				
-	- пі -				Link Spee	ed >> 54.0 Mbps	Max		
BW >>n/a		SNRO >> n/a			Throughpu	ut >>7,112 Kbps	1.448		
GI >> n/a	MCS>> n/a	SNR1 >> n/a					Mbps		

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Profile	e Network	ر Advanced	() Statistics	Cos WAWA	() WPS	Radio On	/Off Abou	t 🔿
-			PS AP List					
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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.

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.

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.

IMPORTANT NOTE:

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for a/an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. If the

size of the end product is smaller than 8x10cm, then additional FCC part 15.19 statement is required to be available in the users manual: This device complies with Part 15 of 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.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: RYK-WUBR170GNM ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.

This Class [B] digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 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.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

This device has been designed to operate with an antenna having a maximum gain of [2] dBi. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

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 IC: 6158A-WUBR170GNM".