Bynalink WLAN USB Adaptor User Manual

WLG25USB



Table of Contents

١.	Introduction	2
	Package Contents	2
	Minimum System Requirements	2
II.	Connecting the Wireless Adapter	3
III.	Status LEDs	4
III.	Installing the Wireless Adapter	5
IV.	Uninstalling the Wireless Adapter	8
V.	Configuring the Wireless Adapter	10
	Connecting to an Existing Network	10
	Configuration	11

Introduction

Thank you for purchasing the <u>Wireless Adapter</u>. This Wireless Adapter is easy to use and easy to setup. If you are tired of all those messy wires needed to connect a lap-top to your Home network, then take your networking to the next level with the Wireless Adapter. You will be able to share files, printers and even your High-Speed Internet access wirelessly.

Package Contents

Make sure the following items came in this package:

- Wireless Adapter
- Wireless Adapter Installation and User's Manual CD

Minimum System Requirements

 Microsoft Windows 98 Second Edition (SE), Windows ME, Windows XP, or Windows 2000 installed

Connecting the Wireless Adapter

- 1. Your computer can be on or off, it will not affect the installation process. Locate an available USB slot on your PC. If you are not sure where this may be, please consult your computer's User Manual.
- 2. Insert the Wireless Adapter into the appropriate USB slot. Your hardware is now installed.

Status LEDs

LED	MEANING
POWER	Indicates that the Wireless Adapter is powered on when the LED lights up.
LINK	Indicates link status. If the light is blinking, it means there is data
	sending or receiving via wireless.

Installing the Wireless Adapter

Note: If you have installed the Wireless Adapter driver before, please uninstall the old version first.

 After you have installed the Wireless Adapter your computer will display a Found New Hardware Wizard screen, click Cancel to continue.



 Insert Wireless Adapter Installation and User's Manual CD into your CD-ROM, then the installation will be activated automatically. Or you may go to the directory where the Wireless Adapter Installation stored, then double-click InstallShield Setup Launcher to begin the installation.



3. RALINK Wireless Network Card Setup will install the driver on your system, click Next to continue.

RALINK Wireless Network Ca	ırd Setup	
Welcome to the Install of Wi Please select one of install opt	restess LAN Adapter ions bellow.	
Ralink	RT2500 Wireless LAN Card Setup will install the wireless network driver and its utilities on your system. Easy Install Install the Wireless Lan driver and its utilities automatically.	
InstallShield	Cancel	

4. Select the Country Channel, and click Next to continue.

Country Channel Select	
Select Country	
Select your location countr	y now:
United States of America -	(1-11)
	1
UK	

5. The installation is now complete. Please click Finish.

RALINK Wireless Network Ca	rd Setup
	Setup has finished installing RT2500 Wireless LAN Card Setup is almost complete.
Ralink	Click. Finish to complete RT2500 Wireless LAN Card Setup.
InstallShield	Carles Frith

- **Note**: When you complete the installation, the utility icon will appear on the system tray. If not, it means that the installation failed. Please uninstall the driver and repeat the process.
- 6. Right-click the utility icon **1**, Utility Selection screen will display, select the utility you want to use.

Launch Config Utilities Use RaConfig as Configuration utility Exit

Uninstalling the Wireless Adapter

For uninstalling the Wireless Adapter, please go to: Start -> Settings -> Control Panel ->
Add or Remove Programs -> RT2500 USB Wireless LAN Card under Windows
environment. Then click Remove.

	nover reĝismo.			العارف
	Currently installed programs:	Sort by:	Name	v
hange or Remove	🔐 HyperSnap-DX 5		Size	5.69ME
rograms	LiveReg (Symantec Corporation)		Size	1.99ME
2	UveUpdate 1.80 (Symantec Corporation)		Size	4.76ME
<u> </u>	🛃 Norton AntiVirus 2003		Size	63.71ME
dd <u>N</u> ew 'ograms	💮 RT2500 USB Wireless LAN Card		Size	43.34ME
	Click here for support information,		Used	rarely
6	To change this program or remove it from your computer, click Change or Remove	Last	Used On	2/16/2004
l/Remove		i.	Change	Remove
/indows	SoundMAX		Size	12.52ME
125	B WinFast(R) Display Driver		Size	3.84ME
€⁄		N		
Program		12		
cess and efaults				

2. Select Remove to uninstall the Wireless Adapter.

RALINK Wireless Network Ca	rd Setup	\mathbf{X}
Welcome Modily, repair, or remove the pro	gram.	
Ralink	Welcome to the RT2500 USB Wireless LAN Card Setup Maintenance program. This program lets you modify the current installation. Click one of the options below. Modify Image: Select new program features to add or select currently installed features to remove. Repair Image: Remove Remove Remove all installed features.	
InstallShield	Cancel	

3. The Confirm Uninstall screen will display, click OK to confirm.



4. After completing the uninstallation, click OK.

RALINK	Wireless Network Card Setup 🛛 🔀
(i)	You can unplug the RT2500 USB Wireless LAN Card from your computer.
	OK

Configuring the Wireless Adapter

Double-click the utility icon in your system tray to begin the utility configuration.

Connecting to an existing network

Select **Site Survey** Tab, all available Access Points would be listed. Click on the desired Access Point, and click **Connect** to connect.

SSID	BSSID	Sig	C	Encry	Authent	Network T
AP200_1	00-0D-F0-00-19	91%	1	None	Unknown	Infrastruct
WLAN	00-0D-F0-00-19	57%	1	None	Unknown	Infrastruct
😹 RMA	00-60-B3-16-1D	70%	3	None	Unknown	Infrastruct
AP600	00-20-A6-4F-26	10	6	WEP	Unknown	Infrastruct
YOYO	00-20-E0-08-1F	55%	9	WEP	Unknown	Infrastruct
QA	00-20-E0-D0-5A	55%	13	None	Unknown	Infrastruct
Connected <> RMA		Rescar	1	Con	nect I.	Add to Profile

Configuration

• Profile

The **Profile Tab** allows you to set values for all parameters by selecting a previously defined profile. To create a profile, click Add, type a profile name and set the corresponding parameters. If one of the profiles is no longer used, you may remove it by clicking the Delete button. After changing parameters, click the Activate button to take effect. You can have multiple profiles and modify the profile at any time.

PROF1 WLAN Auto Open None Infrastructure PROF2 AP200_1 Auto Open None Infrastructure PROF3 RMA Auto Open None Infrastructure	PROF1 WLAN PROF2 AP200_1 PROF3 RMA	Auto Auto	Open Open	None	Infrastructure
PROF2 AP200_1 Auto Open None Infrastructure PROF3 RMA Auto Open None Infrastructure	PROF2 AP200_1 PROF3 RMA	Auto	Open		THIL BE G STOLE
PROF3 RMA Auto Open None Infrastructure	PROF3 RMA		Topon	None	Infrastructure
		Auto	Open	None	Infrastructure
k₹					
l≩					
k}					
\;					
			Dr.		
III () () () () () () () () ()					
					i c

• Link Status

ofile Link Status Si	ite Survey S	tatistics Advanced	About	
Status :	RMA <> 0	0-60-83-16-10-58		
Extra Info :	Link is Up [TxPower:100%]	Channel : 3 <> 24	422000 KHz
Link Speed :	Tx (Mbps)	11.0	Rx (Mbps)	11.0
Throughput :	Tx (Kbps)	0.0	Rx (Kbps)	5.8
Link Quality :	Good	90%		
	Normal	-64 dBm	v	dBm
Signal Strength :				
	Normal	-84 dBm		
Noise Level :				

<u>Status</u>

The field shows the association status to available Access Point with SSID<->MAC address of the Access Point.

Extra Info

Shows whether the link is up or down.

Channel

Shows the channel on which the connection is made.

Link Speed

Shows the highest transmit rate of the current association.

Throughput

This displays the instantaneous wireless Receive and Transmit throughput in Kbits per second.

Link Quality / Signal Strength

The Link Quality and Signal Strength bar graph is only active when the node is in Infrastructure Mode. The bar graph displays the quality and strength of the link between the node and its Access Point.

Noise Level

This displays the noise level of the link between the node and its Access Point.

• Site Survey

Site Survey Tab lists the features of the available Access Points within range of the Wireless Adapter's signal.

Click on the desired Access Point, and click Connect to connect.

You may click Rescan to refresh the list.

SSID	BSSID	Sig	C	Encry	Authent	Network T
AP200_1	00-0D-F0-00-19	91%	1	None	Unknown	Infrastruct
WLAN	00-0D-F0-00-19	57%	1	None	Unknown	Infrastruct
😹 RMA	00-60-B3-16-1D	70%	3	None	Unknown	Infrastruct
AP600	00-20-A6-4F-26	10	6	WEP	Unknown	Infrastruct
YOYO	00-20-E0-08-1F	55%	9	WEP	Unknown	Infrastruct
QA	00-20-E0-D0-5A	55%	13	None	Unknown	Infrastruct
S) [Di		200000		11 	1	
					1	

Add to Profile

You may select an Access Point, and click Add to Profile to include it to Profile List.

Under Add Profile screen / Configuration Tab, you may set Power Saving Mode, Network Type, Transmit Power, RTS Threshold, and Fragment Threshold.

1	Ricaton and Second			
Profile Name	PROF3	SSID	RMA	<u>.</u>
PSM				
CAM (Consta	intly Awake Mode)	C PS	SM (Power Saving Mode)	
Network Type	Infrastructure	TX Pov	ver Auto	•
Preamble	Auto	T		
RTS Threshold	0 (2312 2312	
Fragment Thres	hold 256 -		2312 2312	

Under **Add Profile screen / Authentication and Security** Tab, you may set Authentication Type, Disable 802.1x, 802.1x Setting, Encryption, WPA Preshared Key, and Wep Keys. Click OK when you have finished the settings.

Or click Cancel to abort your new settings for Add to Profile.

Authentication T	ype:	Open	Use 8	02.1x	802.1x Setting
Encryption :		None			•
WPA Preshared	Key:				
-Wep Key					
€ Key#1	Hex	3			
C Key#2	Hex	1			
С Кеу#3	Hex	19			
с Кеу#4	Hex	3			
1					

Decile Maria	COID	Classical	A. 0	Tasanatas	Manual Trac
Profile Name	1 SSID MILAN	Auto	Authentication	Locivption	Intractivity of the
PBOF2		Auto	0pen Open	None	Infrastructure
PROF3	BMA	Auto	Open	None	Infrastructure
4					

Select **Profile** Tab, you may find the new added profile in Profile List.

• Statistics

The Statistics Tab provides information about the Transmit and Receive frames.

🛱 Configuration Utility - Rt2500USB		X
Profile Link Status Site Survey Statistics Advanced A	About	
Transmit Statistics		
Frames Transmitted Successfully	=	802
Frames Transmitted Successfully Without Retry	=	780
Frames Transmitted Successfully After Retry(s)	=	22
Frames Fail To Receive ACK After All Retries	=	85
RTS Frames Successfully Receive CTS	=	0
RTS Frames Fail To Receive CTS	=	0
Receive Statistics		R
Frames Received Successfully	=	29
Frames Received With CRC Error	=	1160589
Frames Dropped Due To Out-of-Resource	=	0
Duplicate Frames Received	=	18
		Reset Counter
<u> </u>		OK Help
÷		OK Help

Advance

The Configuration Utility also offers the advanced configuration for user to set the Wireless Adapter under certain network environment. These advanced options include Wireless Mode, Ad hoc wireless mode, B/G Protection, Tx Rate, TX BURST, and Turn Off RF.

file Link Status Site Survey Statistics 4	Advanced About
Wireless mode 802.11 B/G mix	×
Ad hoc wireless mode 802.11 B/G mix	•
B/G Protection On 💌	-Г CCX 2.0
Tx Rate Auto 💌	LEAP turn on BCKM Finishle Badio Measurement
TxBURST	Non-Serving Channel Measurements
Fast Roaming at -70 dBm	Limit 250 milliseconds (0-2909)
	F Enable QOS
	Apply

• About

About Tab shows the product version including the detail of Configuration Utility, Driver, EEPROM, and NIC MAC Address.

	R [www.ra	LINKTECH.COM
	(c) Copyright 2004,	Ralink Technolog	y, Inc. All rights reserved.
Ĩ	RaConfig Version :	2.2.4.0	Date : 08-12-2004
	Driver Version :	1.2.1.0	Date : 08-13-2004
	IP Address :	81.81.81.7	Phy_Address: 00-0D-F0-00-15-53
	Sub Mask :	255.255.255.0	Default Gateway : 81.81.81.1