

Versa WiFi USB Adapter II

QUICK START GUIDE

PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE USE AND SAVE THIS GUIDE FOR FUTURE REFERENCE USB Adapter Software CD Quick Start Guide 5 dBi Antenna

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Thank you for purchasing the Versa WiFi USB Adapter II.

To help ensure many years of service please read this quick start guide carefully.

System Requirements

Compatible operating system: Microsoft Windows 98SE-Vista Mac OS 10.3-10.5 Computer USB connection: Version 1.1 or 2.0

Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Windows Vista is a registered trademark of Microsoft Corporation in the United States and other countries. Mac OS is a registered trademark of Apple Inc. If you are new to WiFi, you may need to know a little about some of its properties before getting started.

WiFi signals will not pass through everything. Basically, any material that is dense will reduce a WiFi signal dramatically. This includes aluminum foil, brick, bathroom mirrors, trees, hardwoods, and, of course, any kind of metal.

At longer distances beyond 100 feet, any obstacle that is slightly blocking (including a tree branch) will greatly deteriorate the WiFi signal by as much as 90%. For best long distance use, position the Versa WiFi USB Adapter II so there are no walls or obstacles between it and the sending antenna.

In our "real world" street test, we achieved a good WiFi signal at more than one half of a mile away from a normal wireless router. This test was done in the middle of a road with no obstructions. Before connecting to a WiFi hotspot with your Versa WiFi USB Adapter II, you must FIRST install the supplied software CD on your computer. Since not all operating systems are the same, we have supplied installation directions for each type.

Windows 98 – Vista Installation

Installation

 Insert the supplied CD into your computer's disk drive. The setup software should start automatically after a few seconds. 2. When the first title screen appears, Click "Driver Installation".



3. When the "Language" screen appears click "**Next**" or select a language other then English.



4. When the "Welcome" screen appears, click "Next".

Windows 98 – Vista Installation



- 5. Click "Finish" to complete the installation.
- 6. Attach the 5dBi antenna to the Versa WiFi USB Adapter II.
- 7. Connect Versa WiFi USB Adapter II to a USB port on the computer.

Note: If you have problems getting the performance you like, try using an alternate USB port on your computer. One USB port may be low powered and one may be high powered.

Windows 98 – Vista Installation

Connecting to a WiFi Site

1. Double left-click on the "**Signal Bars**" icon that shows in the system tray.



2. A window titled "REALTEK USB Wireless LAN Utility" will be displayed.

REALTEK USB Wireles	s LA	N Utility						
Refresh(R) Set Wizard(S) I	Mode((M) View(V) Abou	t(A)					
Realtek RTL8187	Wit C	General Profil A	vailable Net	work Advance	ed Status Stat	istics Ea	sy Config	
		Available Networ	rk(s)					
	- 11	SSID	Channel	Encryption	Network	Signal	Туре	E ^
	- 11	CC1	1	None	Unknown	80%	Infrastructure	0
	- 11	1 ⁰⁾ CC1	1	None	Unknown	70%	Infrastructure	0
		1 ⁰⁾ CC1	1	None	Unknown	58%	Infrastructure	0
		°v _⊗ link	1	WEP	Unknown	70%	IBSS	4
	1	I ³ multiply3	1	TKIP/AES	WPA Pre	58%	Infrastructure	0
	- 11	1 ³ multiply3	1	TKIP/AES	WPA Pre	78%	Infrastructure	0
	- 11	1 [°] multiply3	1	TKIP/AES	WPA Pre	68%	Infrastructure	0
	- 11	1"multiply3	1	TKIP/AES	WPA Pre	48%	Infrastructure	0 ~
	- 11	<						>
	. 11		Defr	s de	1	d to Drof	-	
	ЛI		Kein	5511				
	X	Note						
		Double click	on item t	o join/create	profile.			
	- 11		_	_				
	- 11							
	- 11							
	- 11							
< 111 I	>							
Show Tray Icon			Disa	able Adapter				Close
Radio Off			Wir	ndows Zero Co	onfig		_	
Ready	_							1 1

- 3. Click on the "Available Network" tab to view sites in your area. You may already be connected to a nonencrypted site, if one is available. If so, you will see a red circle next to the site on the list.
- Click the "Refresh" button to rescan for WiFi sites within range. Connect to a site by double left-clicking on the site name (SSID).
- If the site requires a password (Encryption Key), you will be prompted to enter one. If no password is required then just click "OK".

NEAL TEN OSD TITLETESST	an oning			
Refresh(R) Set Wizard(S) Mod	de(M) View(V) About(A)			
Realtek RTL8187 Wir	General Profile Availat	ble Network Ad	vanced Status Statistics Ea	sy Config
	Status:	Associated	Throughput:	
	Speed:	54 Mbps		
	Type:	Infrastructure		
	Encryption:	None	Tx:0.00%, Tot-	al:0.00%
	SSID:	CC1		
	Signal Strength:			75%
	Link Quality:			86%
	Network Address: -			
		Mac Address:	00:0A:52:02:7F:3C	
		IP Address:	10.40.178.234	
		Gateway:	200.0.0	
		Gutomaji		
		Re	New IP	
< >	J			
Show Tray Icon	1	Disable Adap	ter	Close

- 6. A profile will be automatically created. Once this profile has been created, your computer will automatically connect every time it is within range of the selected site.
- 7. Setup is complete! You can now access the internet by opening your default web browser.

Apple Installation

- 1. Insert the supplied **CD** into your computer's **disk drive**.
- 2. Double click on the **CD icon**.



3. Double click on the "Mac" folder.



4. Double click on your Mac OS version.



MAC OS 10.3.pkg

MAC OS 10.4.pkg



MAC OS 10.5.pkg

5. Double click on "Install.mpkg" to start the installation.

000	Realtek_RTL8187_MacOS10.4_Dri	ver_130	19_UI1.5.1	\bigcirc
< >			٩	
▼ DEVICES	Name		Date Modified	Size
Diamond	Driver_release.txt		Jan 28, 2008, 5:16 PM	16 KB
Pearl	🍣 Install.mpkg		Oct 17, 2006, 5:11 PM	9.2 MB
LLD	realtek USB WLAN Uninstall.command		Oct 23, 2006, 4:09 PM	4 KB
	Utility_release.txt		Feb 4, 2008, 1:27 PM	4 KB
Desktop				
A Brent				
Applications				
P Documents				
L				
▼ SEARCH FOR				
🕒 Today				
All Movies				
(Yesterday				
(Past Week				
All Images				
All Documents				
An occuments				
	() + + (
	1 of 4 selected, 198.37 GB av	ailable		

- 6. When the "Introduction" screen appears, click "Continue".
- 7. Click "Continue" on the "Read Me" screen.
- 8. Click "Continue" on the "License" screen.

9. Click "Agree" to indicate that you agree to the terms of the license agreement.

000	Install Realtek RTL8187 wireless USB 2.0 adapter
	To continue installing the software you must agree to the terms of the software license agreement.
⊖ Int	faction (
⊖ Rea	Click Agree to continue or click Disagree to cancel the installation
⊖ Lic	and quit the Installer.
Det	Read License Disagree Agree
Ins	
1 Alexandream	
-	Print Save Go Back Continu

10. When installation screen appears click "**Install**" or choose another location for the installation.

Apple / Mac OS 10.3 – 10.5 Installation

0 0 0 😜 Inst	all Realtek RTL8187 wireless USB 2.0 adapter
	Standard Install on "Diamond"
O Introduction O Read Me License O Destination Select O Installation Type Installation	This will take 16.9 MB of space on your computer. Click Install to perform a standard installation of this software on the volume "Diamond".
(Customize Go Back Install

11. When prompted, enter your "Name" and "Password".

	Installer requires that you type your password.
	Name: User Name
	Password: ••••••
▶ Details	
(?)	Cancel OK

12. When prompted, click "Continue Installation".

	tall Realtek RTL8187 wireless	USB 2.0 adapter
O Introduct O Read Me Ucense O Destinate	Installing this software r restart your computer wi installation is done. Are i want to install the software Cancel Cor	equires you to hen the you sure you are now? iter. of
⊖ Installation Type		
Installation	munition and and and and and and and and and an	
Summary .mpmpmpmpm	0 10	
4 5		
	101	
		Change Install Location
(Land	Customize	Go Back Install

13. When the "Summary" screen appears, click "Restart".

Apple / Mac OS 10.3 – 10.5 Installation



14. After computer is fully restarted, plug in the Versa WiFi USB Adapter II into your USB port.



Note: If you have problems getting the performance you like, try using an alternate USB port on your computer. One USB port may be low powered and one may be high powered.

Apple / Mac OS 10.3 – 10.5 Installation

15. Once the adapter is plugged in, you will get a message telling you to enable the WLAN card in the "Network" item in "System Preferences". Click "**OK**".



16. The WLAN Client Utility window will pop up. Ignore this window until after the setup is complete.

Link Status	Profiles	Available Network	Advance Setting	Information
			,	
MAC Address :				
SID :				
BSSID :				
Security :				
Connection :	Please en	able the WLAN card		
Network Type :				
Channel :				

17. Go to "System Preferences" and then click "Network".

000			System I	Preferences			
	Show All					٩	
Personal							
in New				0	101	Q	
Appearance	Desktop & Screen Saver	Dock	Exposé & Spaces	International	Security	Spotlight	
Hardware							
\bigcirc		\bigcirc	A	×		0	
CDs & DVDs	Displays	Energy Saver	Ink	Keyboard & Mouse	Print & Fax	Sound	
Internet &	Network						
MobileMe	Network	QuickTime	Sharing				
	\smile						
System							
11		* *	(0)		2	۲	
Accounts	Date & Time	Parental Controls	Software Update	Speech	Startup Disk	Time Machine	Universal Access

18. A message displays "New Interface Detected". Click "**OK**" and then click "**Apply**" to activate the adapter.



Connecting to a WiFi Site

1. From the dock, click the "**Crab**" icon to activate the "WLAN" utility.



 From the "Realtek WLAN Client Utility" (the window you ignored in step #16 on page 19), click the "Available Network" tab.

_				5	
sso	SSID	Channel	Network Type	Encryption	BSSID
	Ruckus	10	Infrastructure	WPA-PSK TKIP	001392228
	devide	9	Infrastructure	WPA-PSK TKIP	000a527ae
	link	1	Adhoc	WEP	2ae4622f6
	NETGEAR	6	Infrastructure	NO_ENCRYP	001e2a69a
	CC1	1	Infrastructure	NO_ENCRYP	00180a011
	multiply3	1	Infrastructure	WPA(2)-PSK	0e180a011
	2WIRE367	6	Infrastructure	WPA-PSK TKIP	000d72b90
T		10	Infrastructure	WPA-PSK TKIP	001392228
	CC1	1	Infrastructure	NO_ENCRYP	00180a013
	multiply3	1	Infrastructure	WPA(2)-PSK	0e180a013
	CC1	1	Infrastructure	NO_ENCRYP	00180a011
	multiply3	1	Infrastructure	WPA(2)-PSK	0e180a011
	multiply3	1	Infrastructure	WPA(2)-PSK	0e180a011
	CC1	1	Infrastructure	NO_ENCRYP	00180a011
Į	CC1	1	Infrastructure	NO_ENCRYP	00180a011

- 3. Double-click your desired WiFi site.
- If the WiFi site requires a network key (password) before connecting, enter and confirm the key. When finished, click "OK".

	Wireless Network Security Properties
Profile Name :	
SSID :	
This is a comp AdHoc channel :	uter-to-computer (AdHoc) network; woreless access points are not used. 1: 2412 MHz
Wireless Network Secu	rity Properties
This network requ Network Authenti	uires a key for the following : cation : WPA_PSK
Data Encryption :	TKIP
ASCII	
Network key :	
Confirm network	key:
Key index (advand	:ed): 1
Please enter Key	strings before clicking on OK to connect ==> OK Cancel

5. Check to see if you are connected by clicking on the "Link Status" tab.

Realtek WLAN Client Utility	
Link Status	Profiles Available Network Advance Setting Information
MAC Address :	000a52027f3c
SSID :	Ruckus
BSSID :	001392228490
Security :	WPA-PSK TKIP
Connection :	Connected
Network Type :	Infrastructure
Channel :	10
Signal Strength:	Turn Radio Off

6. If "Link Status" shows that you are "Connected" with good signal strength, then you will be able to access the internet using your default web browser.

For more details you can browse the full user manual on the supplied CD.

FC 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 FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Operation is subject to the following two conditions:

- 1. This device may not cause harmful interface, and
- 2. This device must accept any interface received, including interface that may cause undesired operation. 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 or more of the following measures:
 - a. Reorient or relocate the receiving antenna.

- b. Increase the separation between the equipment and receiver.
- c. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- d. Consult the dealer or an experienced radio technician for help.

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

CAUTION:

- 1. To comply with FCC RF exposure compliance requirements, a separation distance of about 8 inches must be maintained between the antenna of this device and all persons.
- 2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

One Year Limited Warranty

C. Crane Company Inc. warrants this product to be free from defects in material and workmanship under normal use and conditions for a period of one year from the date of original purchase on parts and labor.

Should service be necessary for any reason due to a manufacturing defect or malfunction during the warranty period, C. Crane Company Inc., at its sole discretion, will repair or replace the defective merchandise at no charge, upon receipt of this item at its service center with a copy of proof of date of purchase. The consumer purchaser is responsible for shipping the unit to C. Crane Company Inc.'s service center.

In order to obtain performance of any obligation under this warranty or any implied warranty, the consumer purchaser must:

- Carefully pack the unit in the original packing cartons or a suitable, wellpadded corrugated box.
- 2) Call 1-800-522-8863 for a Return Authorization (RA) number, and mark the RA number on the outside of the packing carton. Also enclose a copy of proof of date of purchase and a note describing your specific problem.
- 3) Ship the unit **insured for full retail value** via Parcel Post or a common carrier of your choice.

NOTE: This warranty does not cover:

- A) Adapters that have been misused, neglected or damaged by accident.
- B) Adapters that have been opened, repaired or altered by persons other than C. Crane Company Inc.

This warranty is valid only in the United States of America and Canada and extends only to the original consumer purchaser. Any applicable implied warranties, including the warranty of merchantability, are limited in duration

to a period of one year from the date of the original purchase at retail and no warranties, whether expressed or implied, shall apply to this product thereafter. Under no circumstances shall C. Crane Company Inc. be liable for any loss or damage, direct or consequential arising out of the use of, or inability to use this product, (some states do not allow limitations on implied warranties or exclusion of consequential damage, therefore, these restrictions may not apply to you).

This warranty gives you specific legal rights and you may also have other rights that may vary from state to state.

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