300M Wireless USB Adapter



User Manual

Model: 525671

Version 1.0 | 1/13/2014

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1 Product Introduction

Thank you for choosing the 300Mbps Wireless 11N USB Adapter.

The Wireless 11N USB Adapter is a cost-effective, highly integrated Wireless product, fully complies with 802.11b/g/n specifications, adopting 2T2R architecture, up to 300 Mbps data rate, you can connect a desktop or notebook computer to a wireless network and access high-speed Internet connection which is beneficial for the such as HD video streaming and online gaming applications. It is good choice for home and travel.

1.1 Product Features

- Complies with 802.11n specifications
- > Backward compatible with 802.11b/g wireless networks
- > Up to 300Mbps raw data transfer rate
- > Support WPA and WPA2 to safeguard wireless network access security
- USB 2.0 interface
- Supports Windows XP/Vista/7/8

1.2 LED's Description

In the front of the Wireless USB Adapter, there is a status indicator. It will flash while a normal data communication.

1.3 WPS Button

There is a WPS button on the side of the Wireless USB Adapter, By this method, you can connect to your network quickly on the condition that your router or access point supports WPS as is called by some other brands.



Application Methods:

1. Press the WPS/RESET button for 1~2 seconds on the back panel of the router.

2. Press and hold the WPS button on the Wireless USB Adapter for 1~2 seconds.

Note: This function can be used only when the Wireless LAN Utility is on and the two buttons should be pressed within 2 minutes of each other.

1.4 Product Application

The 300Mbps Wireless USB Adapter provides fast, reliable, low-cost solution for wireless access. The concrete application is as follows:

- Requiring more mobility of staff, they want to access the wireless network anywhere in a company.
- Due to construction or budget constraints, someplace are not suitable for LAN wiring, such as history, ancient buildings, the lease of land or temporary location.
- > Avoiding expensive cable, leased lines or right-of-way of the companies, individuals.

1.5 Security Warning

- > Please install and use this product until you complete to read this user manual;
- In order to guarantee the product to work correctly, please pay attention to the waterproofing and damp proofing;
- > Prevent some harmful substances (such as acid, alkali, etc.);
- > Please do not use this product placed directly in the sun or other sources of heat;
- If a failure occurs, please contact our customer service dept, do not open this product by yourself.

1.6 Environment

- ➢ Operating Temperature: 0℃~40℃
- Storage Temperature: -10℃~70℃
- > Operating Humidity: 10%~90% non-condensing
- Storage humidity: 5%~90% non-condensing

1.7 Package Contents

Check your Wireless USB Adapter package for the following items.

- Wireless USB Adapter
- Use CD-ROM
- · Warranty card

2 Installation Guide

This section will teach you how to use the CD-ROM software for the installation of your Wireless USB Adapter package, the package has been the driver, configuration software, which installs its configuration software will automatically install the driver.

Take Windows XP Operating system as an example, installation steps for other operating systems are similar.

2.1 Installation Steps:

1. Please plug the Wireless USB Adapter into the computer's USB Interface.



(Figure 1)

2. You may see the **Found New Hardware** Wizard after the adapter has been inserted. Please click "**Cancel**".



(Figure 2)

3. Insert the Resource CD into the CD-ROM driver.



(Figure 3)

4. Please double-click the "Setup" file in the CD-ROM.



5. Click "Next" to continue installation.



(Figure 5)

6. Next, the installation process will take about a minute, please wait for a second.

REALTEK USB Wireless LAN Driver and Utility	×
Setup Status	
REALTEK USB Wireless LAN Driver and Utility is configuring your new software installation.	
Installing	
C:\WINDOWS\system32\ISSRemoveSP.exe	
InstallShield	
Cancel	
(Figure 6)	

Now installing REALTEK USB Wireless LAN D	Iriver
(Figure 7)	
Now installing REALTEK USB Wireless LAN U	Jtility

- (Figure 8)
- 7. It will appear the interface as below picture after finishing all of the above operations, you can choose "**restart my computer now**" or "**restart my computer later**", Click "**Finish**" to complete the installation.



(Figure 9)

3 Connect to Network

This section will teach you how to use Wireless LAN Utility to connect to the wireless network.

Please refer to the following steps:

1. When the Wireless USB Adapter drives allocation completion, this icon right the table's bottom in computer is appear as follows a diagram mark.



2. Please click that diagram mark will be appear as follows interface.

REALTEK 11n USB W	ireless LAN Utility							
Refresh(R) Mode(M) Abou	rt(A)							
MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup							
	Status: Not Associated							
	Speed: N/A							
	Type: N/A							
	Encryption: N/A							
	SSID:							
	Signal Strength:							
	Link Quality:							
<	Network Address: MAC Address: 00:E0:4C:81:8B:01 IP Address: 0.0.0.0 Subnet Mask: 0.0.0.0 Gateway: ReNew IP							
Show Tray Icon	Disable Adapter	Close						
🔲 Radio Off								

(Figure 11)

3. Select the **"Available Network"** options, then click the **"Refresh"**, the Wireless USB Adapter will search usable network automatically, shows as below diagram:

Refresh(R) Mode(M) About(A) Image: Market RTLB1X General Profile Available Network (s) SSID Channel Encryption Network Authentication Signal Type Image: Relative RTLB1X SSID Channel Encryption Network Authentication Signal Type Image: Relative RTLB1X SSID Channel Encryption Network Authentication Signal Type Image: Relative RTLB1X SSID Channel Encryption Network Authentication Signal Type Image: Relative RTLB1X Image: Relative RTLB1X None Unknown 49% Infrastructure Image: Relative RTLB1X Image: Relative RTLB1X Image: Relative RTLB1X None Unknown 49% Infrastructure Image: Relative RTLB1X Image: Relative RTLB1X NPA2 802.1x 46% Infrastructure 1% 1% 1AES WPA2 802.1x 46% Infrastructure 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1%	REALTEK 11n USB Wi	ireless LAN Utility								
General Profile Available Network Status Status Status Status Memory Available Network(s) SSID Channel Encryption Network Authentication Signal Type ************************************	Refresh(R) Mode(M) Abou	t(A)								
✓ Reakek RTLB13 Available Network(s) ✓ Vailable Network(s) SSID Channel Encryption Network Authentication Signal Type 1° (MCC 1 None Unknown 48% Infrastructure 1° (MCC 1 AES WPA2 802.1x 46% Infrastructure 1° (MCC-AUTO 1 AES WPA2 802.1x 46% Infrastructure 1° (MCC-AUTO 1 AES WPA2 802.1x 46% Infrastructure 1° (MCC 6 None Unknown 56% Infrastructure 1° (MCC 1° (MCC 6 None Unknown 66% Infrastructure 1° (MCC 6 None Unknown 46% Infrastructure 1° (MCC 6 <td< td=""><td>🖃 😼 MyComputer</td><td>General Profile Available N</td><td>etwork Statu:</td><td>s Statistics</td><td>Wi-Fi Protect Setup</td><td></td><td></td><td></td><td></td></td<>	🖃 😼 MyComputer	General Profile Available N	etwork Statu:	s Statistics	Wi-Fi Protect Setup					
SSID Channel Encryption Network Authentication Signal Type 1° CMCC 1 None Unknown 48% Infrastructure 1° CMCC 1 AES WPA2 802.1x 46% Infrastructure 1° CMCC-AUTO 1 AES WPA2 906.1x 56% Infrastructure 1° CMCC 6 None Unknown 56% Infrastructure 1° Asstructure 1° CMCC 6 None Unknown 66% Infrastructure 1° Asstructure 1° CMCC 6 None Unknown 66% <td>Realtek RTL8192</td> <td colspan="9">Available Network(s)</td>	Realtek RTL8192	Available Network(s)								
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Image: Product AUTO 1 AES WPA2 802.1x 46% Infrastructure Image: Product AUTO 1 AES WPA2 802.1x 56% Infrastructure Image: Product AUTO 1 AES WPA2 802.1x 46% Infrastructure Image: Product AUTO 1 AES WPA2 802.1x 46% Infrastructure Image: Product AUTO 1 AES WPA2 802.1x 46% Infrastructure Image: Product AUTO 1 AES WPA2 802.1x 46% Infrastructure Image: Product AUTO 6 None Unknown 56% Infrastructure Image: Product AUTO 6 None Unknown 60% Infrastructure Image: Product AUTO 6 AES WPA2 802.1x 48% Infrastructure Image: Product AUTO 6 AES WPA2 802.1x 56% Infrastructure Image: Product AUTO 6 AES WPA2 802.1x 56% Infrastructure Image: Product AUTO 6 AES WPA2 802.1x 56% Infrastructure Image: Product AUTO		CMCC-AUTO	1	AES	WPA2 802.1x	48%	Infrastructure			
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Image: Provide and the second seco		CMCC-AUTO	1	AES	WPA2 802.1x	46%	Infrastructure			
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Image: Construction of the structure of th		Wireless	5	TKIP/AES	WPA Pre-Shared Key/	84%	Infrastructure			
Image: Product of the second secon		1 ⁹⁰ CMCC	6	None	Unknown	56%	Infrastructure			
Image: Construction of the second		1 ²⁹ CMCC	6	None	Unknown	56%	Infrastructure			
Image: Construction of the structure of the		1 ⁹⁰ CMCC	6	None	Unknown	60%	Infrastructure			
Image: Construction of the second		1 ²⁰ CMCC	6	None	Unknown	48%	Infrastructure			
Image: Construction of the second		1°CMCC	6	None	Unknown	48%	Infrastructure			
Image: Construction of the second		CMCC-AUTO	6	AES	WPA2 802.1x	48%	Infrastructure	-		
Image: Construction of the second		I"CMCC-AUTO	6	AES	WPA2 802.1x	56%	Infrastructure			
Image: Construction of the second		I"CMCC-AUTO	6	AES	WPA2 802.1x	48%	Infrastructure			
Show Tray Icon Radio Off Radio Off Radio Off Radio Off		I"CMCC-AUTO	6	AES	WPA2 802.1x	56%	Infrastructure			
Add to Profile Note Double click on item to join/create profile. Show Tray Icon Radio Off Close		FullRiver WiFi X30	6	None	Unknown	56%	Infrastructure			
Add to Profile Note Double click on item to join/create profile. Show Tray Icon Disable Adapter Close		P ⁹ Fullriver WiFi 40	8	None	Unknown	100%	Infrastructure			
Refresh Add to Profile Note Double click on item to join/create profile. Show Tray Icon Disable Adapter Radio Off Close		I "F1-70647C	10	None	Unknown	84%	Infrastructure	$\mathbf{\mathbf{v}}$		
Refresh Add to Profile Note Double click on item to join/create profile. Show Tray Icon Disable Adapter Radio Off Close		<					>			
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Note Double click on item to join/create profile. Show Tray Icon Disable Adapter Close Close										
Double click on item to join/create profile. Show Tray Icon Disable Adapter Close		Note								
Show Tray Icon Disable Adapter Close Close		Double click on item	n to join/creat	e profile.						
Show Tray Icon Adapter Close Cose	< >									
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	Radio Off	L	_ DISADle AU	артег				se		

(Figure 12)

4. Then select an "Available Networks", click the "Add to Profile" to connecting the wireless network.

🙁 REALTEK 11n USB Wireless LAN Utility							
Refresh(R) Mode(M) Abou	t(A)						
🖃 🧋 MyComputer	General Profile Available Ne	etwork Status	Statistics \	Vi-Fi Protect Setup			
Realtek RTL8192	Available Network(s)						
	SSID	Channel	Encryption	Network Authentication	Signal	Type	^
	CMCC	1	None	Unknown	48%	Infrastructure	
	1 ²⁰ CMCC	1	None	Unknown	48%	Infrastructure	
	1 ²⁰ CMCC	1	None	Unknown	48%	Infrastructure	
	CMCC-AUTO	1	AES	WPA2 802.1x	48%	Infrastructure	
	CMCC-AUTO	1	AES	WPA2 802.1x	46%	Infrastructure	
	I CMCC-AUTO	1	AES	WPA2 802.1x	56%	Infrastructure	
	I CMCC-AUTO	1	AES	WPA2 802.1x	46%	Infrastructure	
	1 ³⁰ cisco99	1	AES	WPA2 Pre-Shared Key	74%	Infrastructure	
	1 ³⁰ Wireless	5	TKIP/AES	WPA Pre-Shared Key/	84%	Infrastructure	
	1 ²⁰ CMCC	6	None	Unknown	56%	Infrastructure	
	1 ²⁰ CMCC	6	None	Unknown	56%	Infrastructure	
	1 ²⁰ CMCC	6	None	Unknown	60%	Infrastructure	
	1 ²⁰ CMCC	6	None	Unknown	48%	Infrastructure	
	1 ²⁰ CMCC	6	None	Unknown	48%	Infrastructure	
	1º CMCC-AUTO	6	AES	WPA2 802.1x	48%	Infrastructure	_
	CMCC-AUTO	6	AES	WPA2 802.1x	56%	Infrastructure	
	I CMCC-AUTO	6	AES	WPA2 802.1x	48%	Infrastructure	
	CMCC-AUTO	6	AES	WPA2 802.1x	56%	Infrastructure	
	FullRiver WiFi X30	6	None	Unknown	56%	Infrastructure	
	Pullriver WiFi 40	8	None	Unknown	100%	Infrastructure	
	1 ³⁹ F1-70647C	10	None	Unknown	84%	Infrastructure	~
	<)		>	
	Bofro	ch		Add to Drofilo			
	Keire	511		Add to Profile			
	Note						
	Double click on item	to join/creat	e profile.				
< >						,	
Show Tray Icon		Disable Ad	apter				se]
🔲 Radio Off							

(Figure 13)

5. If the network is unsecured, you will directly connect to it. If it is security-enables, you can input the security key into the field below **Network key** and then click "**OK**" to continue.

REALTEK 11n USB Wireless LAN Utility	
fresh(R) Mode(M) About(A)	
Wireless Network Properties:	
Profile Name: Wireless	802.1x configure
Network Name(SSID): Wireless	EAP TYPE :
	GTC
- This is a computer-to-computer(ad boc) network: wireless	Tunnel : Privision Mode :
access points are not used.	
Channel: 5 (2432MHz) 💌	Username :
Wireless network security	
This network requires a key for the following:	Identity :
Network Authentication: WPA2-PSK	
Data encryption: AES	Domain :
	Password :
Key index (advanced):	Certificate :
Network key:	×
*****	PAC : Auto Select PAC
Confirm network key:	

OK Cancel	
Show Tray Icon Disable Ada	pter Close

(Figure 14)

6. the wireless network connects a chain success, and will be appear as follows interface.

🎗 REALTEK 11n USB W	ireless LAN Utility	
Refresh(R) Mode(M) Abou	rt(A)	
MyComputer Sealtek RTL8192	General Profile Available Network Status Statistics Wi-Fi Protect Setup	
	Status: Associated	
	Speed: Tx:300 Mbps Rx:300 Mbps	
	Type: Infrastructure	
	Encryption: AES	
	SSID: Wireless	
	Signal Strength: 78%	
	Link Quality:	
	- Network address	
	MAC Address: 00:E0:4C:81:8B:01	
	IP Address: 192.168.8.126	
	Subnet Mask: 255.255.255.0	
	Gateway: 192.168.8.1	
	ReNew IP	
Radio Off	Disable Auglier	Close

(Figure 15)

The whole allocation process has been already complete.

4 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 or more 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:

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.

Non-modification Statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

RF Exposure: A distance of 20 cm shall be maintained between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna.