WINDY31 USB Wireless Router Reviewers' Guide



SYNET



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Before Installing SyNET WINDY31 for Review:

What Can Windy31 Do For You?

Thank you for considering SyNET WINDY31 for your evaluation. We anticipate your experience will be a positive one. We are also confident you will discover how easy and reliable SyNET WINDY31's portable wireless networking performance is to operate, while providing LAN card functioning, too.

You or your co-workers might have faced a host of unpleasant and inconvenient situations before as following:

Situation A: You wanted to access the internet in a public area such as a trade show, library, hotel, or airport. But, only a wireless internet service subscriber can use the internet.

Existing : Only a wireless internet service subscriber can use the internet
 Windy31 : Plug the Windy31 into any computer that is connected to the internet, and you can use the internet service through your laptop

Situation B: You wanted to share your internet connection with friends or co-workers without having to pay for each line at a wireless service providing café, airport, hotel, etc. But, no choice for non-subscribers. You had to pay no matter what.

Existing : No choice for non-subscribers. You have to pay for each user.
 Windy31 : Plug the Windy31 into the subscriber's computer and share the connection with friends and co-workers at no additional cost.

Situation C: You wanted a clean and neat working space. But, limited cleanliness because of all the wires from the LAN cables.

Existing : You should have at least one wireless router connected to AP with wire
 Windy31 : Just plug the Windy31 as tiny as the USB Memory stick right into the HOST computer without hassle of wires

WINDY31 knows for sure how to fulfill all that you want for the above three situations:

USB Type Wireless Broadband Router with Wireless LAN + Wireless Access Point

- Easy-setup using the auto-run installation program
- Share wirelessly up to 32 terminals at the same time
- Security and protection available through firewall functions

To supplement your review process, the following are guidelines for SyNET WINDY31's proper configuration to ensure optimal performance.

1. Recommended System Requirements:

SyNET recognizes the importance of compatibility among a diverse installed user base using both older and newer generation operating systems. WINDY31 works with most windows operating systems from Win XP through **Windows Vista** (details below).

We recommend your computer meets the following minimum requirements:



- a. Windows XP/Vista
- b. Intel's Pentium IV processor or above
- c. 512 MB RAM
- d. USB 1.1 or 2.0 Interface
- e. Internet Explorer 5.0 or higher
- f. Requires more than 30M bytes of usable hard disk space

2. Internet Connection

During WINDY31's installation, if you need it to be used as an AP or a Router, make sure the computer has a working Internet connection to receive wireless signals from other wireless devices that you want to share with.

Or just for the purpose of using it as LAN card, you may not have internet connected.

3. Call Technical Support with any questions or problems

SyNET offers unlimited technical support for all our products. You may contact us via email at support@SyNETUSA.com with WINDY31 Evaluation" in the subject line, or call us at 1-866-877-9638. The SyNET Technical Support Team can answer and resolve most issues within just a few minutes. Please feel free to contact us if necessary.

With these suggestions in mind, we hope your experience with SyNET WINDY3 is a remarkable one. We fully intend to continuously develop and enhance our products to achieve superior levels of performance as a leading provider of wireless network application.



Quick Guide Overview

To support your evaluation process, we have created quick guides to supplement our User Manual. These quick guides highlight key features in SyNET WINDY31 you don't want to miss.

- 1. **Installing SyNET WINDY31** Quick overview of the installation process both on Windows XP and Vista.
- 2. **WINDY31 Gateway Manager Setting** Explains what features are available, and how to properly interpret the information provided by the program both on Windows XP and Vista.
- 3. LAN Adapter Setting Explains how to adjust the setting to switch to LAN Card Mode and use both on Windows XP and Vista.



4. **Directly Input IP Address** – In case of client device is not automatically connected to the server computer.



Installing SyNET WINDY31

Checklist before installing

- ① Computer to be installed with Windy31 must have more than one LAN Adapter.
- 2 Computer to be installed with Windy31 must have Internet connection.

Installation

Please check your computer for Virus and Spyware, before installation. Some Viruses and Spywares may interfere automatic installation of WINDY31 driver and utility programs.

(Windows XP)



2) Please wait until "Windy31 Gateway Manager" window appears, "Windy31 setting in-progress" and "setting complete" windows are displayed as shown below. This process will take some minutes as it is installing the Windy31 Gateway.(Installation time may differ according to computer configuration) 1) Insert Windy31 into USB port of Laptop or Desktop PC and program will automatically run as shown on the left.

SSID	Windy31-ED		<- Use Mac A	ddress	1	Security	Setting
Wireless Mode	802.11 B/G Mixed	• T	XRate: 🛛	to	• a	hannel	2
Country Region (Code						
11 B/G 1:	CH1-13	-	MAC Addres	s	AID	Pow	Status
Beacon TX Powe Idle time(60 - 3600)	In course of	finsta	lling, please	wait			
Beacon TX Powe Idle time(60 - 3600)	In course of	finsta 300	lling, please	wait			
Beacon TX Powe Idle time(60 - 3600 I No forwarding Hide SSID	In course of (s) among wireless clients	f insta	lling, please	wait			



🛉 Windy 31 Gateway × Config Acces: Control About Windy31-ED SSID <- Use Mac Address Security Setting 802.11 B/G Mixed V TX Rate : Auto Wireless Mode -Country Region Code MAC Address AID Pow... Status 11 B/G 1: CH1-13 -Windy31 AP Wireless Protection i) Program has been successfully installed Beacon (ms) TX Power OK Idle time(60 - 3600)(s) 🔽 No forwarding among wireless clients F Hide SSID Bridge Adapter Switch to Lan Card Mode Defaul Apply OK

3) In Step 2, after "Program has been successfully installed" appears, click "OK". Then, Windy31 has completed installation.

Connection method may differ according to Wireless LAN device, please refer to Wireless LAN usage method.

(For wireless device usage method, please refer to wireless device product manual or please contact the provider.)

WINDY31 Gateway Manager Setting (Windows XP)

Windy31 Gateway Manager Setting screen.

Config Access Control About				(Default is "Windy31-XX") (2) Wireless mode: Assign wire
SSID 1 Windy31-8 Wireless Mode 2 802.11 B/	D 3 · Use M	Auto	curity Setting	(802.11b=11Mbps/802.11g=54M ③ Use Mac address: Assign S ④ Security Settings: Assign w
Country Region Code 7 11 B/G 1: CH1-13 Wreless Protection Auto Beacon (ms) 7 TX Power 100 Idle time(60 - 3600)(s) 7	MACA	Idress AID Po	ow Status	 Settings Transmission rate: Designation Channel: Assign wireless ch Area (Country code): Assign by each country. Wireless LAN connection lidevice's MAC address connected Bridge adapter: Allow Internet
☐ No forwarding among wireless ☐ Hide SSID	clients			 bridge ddapter: Allow Mental card change Switch to LAN card mode: as LAN Adapter. (In LAN Adapter mode, Windy3' cannot be used)
Default	Apply 9Bridge A	dapter 19witch to L	an Card Mode	

ss connection

LAN mode 3)

as MAC address .

ss security

ansmission rate.

el, automatically.

annel range used

ist of wireless Windy31.

onnected network

on to use Windy31

teway functions



in the

	🕇 Windy31 Gateway 🛛 🔀
Internet access by other users can be controlled in "Access Control" menu of Windy31 Gateway as shown on the right.	Config Access Control About Access Policy Disable MAC Address Access List Add Delete Remove All Remove All
Windy31 Gateway Config Access Conrol About Image: Copyright (cl2007) Maverick System Inc., All Rights Reserved. Utility Version: 1.2.1.1 Date : 11-21-2007 Driver Version: 1.2.3.0 Date : 10-01-2007 EEPROM Version: 1.4 Firmware Version: 2.1 IP Address : 192.168.33.1 Phy_Address : 00-0E-2E-EF-9C-D9 Sub Mask : 255.255.255.0 Default Gateway : 240-00-02-2E-EF-9C-D9	 Apply Disable : Disable access to the internet . Allow All : All the Mac addresses listed in the table can be accessed to the internet. Reject All : All the Mac addresses listed in the table can not be accessed to the internet.
	OK

Click "Auto Update" to confirm that you are using the most updated software version. If you are currently using the previous version of Windy 31 software, program, the most updated version will be appeared.



LAN Adapter Setting (Windows Vista)

Wireless LAN connection

SSID E	SSID	Phy	Signal	🔺 C	Encryption	Authentic	Network
		G	100%	1	WEP	Unknown	Infrastruct
		G	50%	1	None	Unknown	Infrastruct
		G	86%	4	WEP	Unknown	Infrastruct
<u>(1)</u>		G	100%	6	None	Unknown	Infrastruct
		N	70%	7	None	Unknown	Infrastruct
		G	50%	9	WEP	Unknown	Infrastruct
		G	86%	12	TKIP	WPA-PSK	Infrastruct
		G	81%	12	WEP	Unknown	Infrastruct
< [_	^m (4)		(2	•
Rescanning				Resca	en l	Add to	Profile
Link Quality :					Γd	Bm format	
Link Quality :	1				⊢ d	Bm format	

- (1) Select AP as connection mode from AP list
- 2 Add to Profile : Add the selected AP to Profile
- ③ **Profile** : Menu to connect to AP using Added Profile
- 4 Rescan : Scan Wireless AP
- 5 Switch to Gateway mode : Switch to Wireless Router mode

Profile Name	SSID	Channel	Authentication	Encryption	Network Typ
PROF1		Auto	Open	None	Infrastructur
(1)					
					_
3	(4)	III.	5)	(2)	
LLA		alata	E-b		alizata.
Add		eiele	EOR		ctivate



- (1) Select AP to connect
- 2 Activate : Connect to the selected AP with wireless

(Must click "Activate" button for using wireless service)

- 3 Add : Add the Profile
- ④ Delete : Delete the Profile or disconnect
- wireless connection
- 5 Edit : Modify profile configuration



Status :	P.					specific wireless connection
Extra Info :	Link is Up [TxPowe	r:100%]			-	
Channel :	7 <> 2442 KHz				-	
Link Speed :	Tx (Mbps)	48.0	Rx (Mops)	1.0		
Throughput :	Tx (Kbps)	5.3	Rx (Kbps)	32.3		
	Good 90%				_	
Link Quality :	Namel CE*			F i		
Signal Strength 1:	Normai 65%			I dBm		
	Low 3%					
Noise Level :						

Directly Input IP Address (Windows XP)

On Client Device only:

IP Address may need to be put into some laptops or PDAs(with WinCE 5.0 below version) in order to get more stable connectivity, but PSP, PMP, or Nintendo etc. using WinCE 5.0 works fine without having to input it.

- Select "Wireless Network Connection", click right-side of mouse to select "Properties" on the drop-down menu.

S Network Connections		1. Start
File Edit View Favorites To	ools Advanced Help 🧤	
Address Network Connections Network Tasks Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection Image: Create a new connection	CAN or High-Speed Internet Wreless Network Connection Wreless Network Connections Www.available Wireless Networks Status Repair Bridge Connections Create Shortcut Delete Rename Properties Create Shortcut Delete Rename	2. Control Panel 3. Network and Internet Connection 4. Network Connections
Other Places (*) Control Panel My Network Places My Documents My Computer Details (*)		5. Wireless Network Connection



reneral	Wireless Network:	s Advanced	
Connec	t using:		
	RiNOCO 802.116	USB	<u>C</u> onfigure
This co	nnection uses the fi	ollowing items:	
	QoS Packet Sche	eduler	
2 8	AEGIS Protocol (I	EEE 802.1x) v3.5.3	3.0
N 20	Internet Protocol (TCP/IP)	
<			>
(nstall	<u>U</u> ninstall	P <u>r</u> operties
Desc	iption		
Tran wide acro	smission Control Pro area network proto ss diverse interconn	otocol/Internet Prot col that provides c lected networks.	ocol. The default ommunication
Sho	w icon in polification	n area when conne	octed
Noti	iv me when this cor	naction has limited	l or no connectivity
	• • • • • • • • • • • • • • • • • • • •		

- **IP Address** : IP address which used in Windy31, is in-between the following IP range **192.168.33.2** to **192.168.33.254**.

- **Subnet Mask** : Windy31 uses C-class by default. (255.255.255.0)

-Default gateway : Windy31 uses Default gateway. (**192.168.33.1**)

6. Internet Protocol (TCP/IP)
7. Properties

On "Internet Protocol (TCP/IP) Properties" below, select "Use the following IP Address" to directly input IP Address.

neral	
ou can get IP settings assigned is capability. Otherwise, you ne e appropriate IP settings. O Obtain an IP address autor	d automatically if your network supports sed to ask your network administrator fo natically
Use the following IP addres	\$5:
IP address:	192.168.33.XX
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.33.1
Obtain DNS server addres:	s automatically
Use the following DNS service	ver addresses:
Preferred DNS server:	192 . 168 . 33 . 1
Alternate DNS server:	
	Ad <u>v</u> anced.

DNS server for each network

Bellsouth Fast access DSL: Georgia, USA (DNS: 205.152.37.23)

Comcast (pick the nearest!) USA: Comcast (national) Primary (DNS: 68.87.66.196)

ORSC Public Access DNS Name servers: (DNS: 204.57.55.100)

Speakeasy (pick any two!) USA: Washington state and Oregon (DNS: 66.93.87.2)



What is an IP address?

IP or Internet Protocol is a unique quartet of numbers ranging from 0~ 254. These unique numbers are assigned to one specific computer at any given time. An IP address is divided into two parts: a network number and a host number.

The idea is that all computers that operate on one physical network will have the same network number (like a street name). The rest of the IP address defines an individual computer (like a house number within a street).

Because IP addresses are a scarce resource, most Internet Service Providers (ISPs) will only allocate one IP address to a single customer or user. In the majority of cases, an IP address is assigned dynamically, so every time a computer connects to the ISP, a different address will be provided. However, these IP address are unique in the world of the Internet. Each IP address is registered to a person or to company (in most cases to an ISP).

Technical Support

If you need technical support or have any questions regarding SyNET WINDY31, please feel free to contact us via e-mail <u>support@SyNETUSA.com</u> or call us during our normal business hours (9:00AM ~6:00 PM EST) at 1-866-877-9638. You can also fax in your questions if you prefer to our fax number: 1-201-931-0066.

Thank you for using SyNET WINDY31.









