Windows XP Wireless User Guide Supplement

The information in this guide supplements the Solo 1200 Wireless User Guide or the Solo 9550 Wireless User Guide and provides examples of setting up and accessing an access point or peer-to-peer wireless network in Windows XP.

Creating a wireless Ethernet network

After you have turned on wireless Ethernet networks, you may want to create a new wireless Ethernet network. You can create either an access point or peer-to-peer wireless Ethernet network.

Access Point

An *access point* is a device that allows you to both join a wireless network and access a wired network at the same time. You can create an access point wireless network if you purchased an RG1000 or equivalent access point. The figure below shows an example of an access point network.





1. Click Start, then select Control Panel.

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- 2. Click **Network and Internet Connections**. The Network and Internet Connections window opens.
- 3. Click Network Connections. The Network Connections window opens.
- 4. Right-click Wireless Network Connection.
- 5. Select **View Available Wireless Networks**. The Connect to Wireless Network dialog box opens.

Connect to Wireless Ne	twork	? 🛛
The following network(s) are from the list, and then click (Available <u>n</u> etworks:	e available. To access a netw Connect.	rork, select it
L dvtnet L WaveLAN Network		
This network requires the us network, type the key, and t	se of a network key (WEP). To hen click Connect	access this
Network <u>k</u> ey:		
If you are having difficulty co	onnecting to a network, click A	dvanced.
Advanced	Connect	Cancel

- 6. Select **Advanced**. The Wireless Network Connection Properties dialog box opens.
- 7. Click the Wireless Networks tab.

	ess Network Cor	nection 3	Properties	5	?
General	Wireless Networks	Authenticat	ion		
Vse	Windows to configue	re my wireles	s network set	tings	
Toc	onnect to an availabl	e network, cli	ck Configure.		
1	tvtnet WaveLAN Network			<u>C</u> onfigure	
			[R <u>e</u> fresh	
9.	JIMSDESK			Move up	
۵					
				Move dowr	n
	Add Be	move	Pr <u>o</u> perties		
Learr	Add Be about <u>setting up wire</u> guration	move	Pr <u>o</u> perties	Advanc	ed

8. Click Add. The Wireless Network Properties dialog box opens.

Wireless Network Properties				
Network name (SSID):	RG1000 1ff60a			
Wireless network key (WB	EP)			
This network requires a key for the following:				
Data encryption (WEP enabled)				
Network Authentication (Shared mode)				
Network <u>k</u> ey:	ff60a			
Key <u>f</u> ormat:	ASCII characters 🗸			
Key length:	40 bits (5 characters) 🛛 👻			
Key inde <u>x</u> (advanced):				
The key is provided for me automatically				
This is a computer-to-computer (ad hoc) network; wireless access points are not used				
OK Cancel				

- 9. Enter the name of the network. For an access point network, we recommend entering the name of the access point device followed by the SSID name found on the back of the access point. Example: RG1000 lff60a.
- 10. Click the Data encryption (WEP enabled) check box.
- 11. Click to clear the **The key is provided for me automatically** check box.
- 12. Enter the network key. This key must be the last five digits of the network name. Example: **ff60a**.
- 13. Select ASCII characters from the Key format list.
- 14. Select 40 bits (5 characters) from the Key length list.
- 15. Select **0** from the Key index (advanced) list.

- 16. Make sure that the **Network Authentication (Shared mode)** check box is not selected.
- 17. Make sure that the **This is a computer-to-computer (ad hoc)** network check box is not selected.
- 18. Click **OK** to close the Wireless Network Properties dialog box.
- 19. Click the General tab.

🕹 Wirele	ss Network Con	nection 2 Pro	perties	? 🗙
General	Wireless Networks	Authentication	Advanced	
Connect	using:			
113	RiNOCO Wireless L4	AN PC Card (3.3	volt)	
This c <u>o</u> n	nection uses the foll	owing items:	Configur	e
	Client for Microsoft I File and Printer Sha QoS Packet Sched Internet Protocol (T	Networks ring for Microsoft uler CP/IP)	Networks	
	stall	<u>U</u> ninstall	Propertie	15
Transi wide a across	mission Control Proto area network protoco s diverse interconne	ocol/Internet Prot of that provides c cted networks.	ocol. The defau ommunication	alt
Show	icon in notification	area when conne	ected	
		0	к	ancel

- 20. Select Internet Protocol (TCP/IP), then click Properties. The Internet Protocol (TCP/IP) Properties dialog box opens.
- 21. Click the General tab.

Internet Protocol (TCP/IP) Prop	perties 🛛 🛛 🔀				
General Alternate Configuration					
You can get IP settings assigned au this capability. Otherwise, you need t the appropriate IP settings.	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatic	ally				
Use the following IP address: -					
IP address:					
S <u>u</u> bnet mask:					
Default gateway:					
Obtain DNS server address aut	omatically				
OUse the following DNS server a	ddresses:				
Preferred DNS server:					
Alternate DNS server:					
	Ad <u>v</u> anced				
	OK Cancel				

22. If you are using a DHCP server, click **Obtain an IP address automatically**.

- OR -

If you are not using a DHCP server, click **Use the following IP address** and enter the **IP Address** and **Subnet Mask**.

Important If you are required to enter an IP Address and Subnet Mask, ask your network system administrator for the correct values.

- 23. Click **OK** to close the Internet Protocol (TCP/IP) Properties dialog box.
- 24. Click **OK** to close the Wireless Network Connection Properties dialog box.



Peer-to-peer (ad hoc)

Use a peer-to peer (ad hoc) network if you are setting up or joining a temporary or permanent computer-to-computer network for sharing files and peripheral devices. This type of network does not include an access point into a wired network.



To create a peer-to-peer wireless Ethernet network:

- 1. Click Start , then select Control Panel.
- 2. Click **Network and Internet Connections**. The Network and Internet Connections window opens.

- 3. Click Network Connections. The Network Connections window opens.
- 4. Right-click Wireless Network Connection.
- 5. Select View Available Wireless Networks. The Connect to Wireless Network dialog box opens.

Connect to Wireless Network
The following network(s) are available. To access a network, select it from the list, and then click Connect.
Available networks:
WaveLAN Network
This network requires the use of a network key (WEP). To access this network, type the key, and then click Connect.
Network <u>k</u> ey:
If you are having difficulty connecting to a network, click Advanced.
Advanced Connect Cancel

- 6. Select **Advanced**. The Wireless Network Connection Properties dialog box opens.
- 7. Click the Wireless Networks tab.

Wireless Network Connection 3 Propertie	s ? 🔀
General Wireless Networks Authentication	
✓ Use <u>W</u> indows to configure my wireless network se Available <u>n</u> etworks:	ettings
To connect to an available network, click Configure	
L dvtnet L WaveLAN Network	Configure
	Refresh
Automatically connect to available networks in the below:	Move up
8	
	Move <u>d</u> own
Add <u>R</u> emove Properties	
Learn about setting up wireless network configuration	Advanced
ОК	Cancel

8. Click Add. The Wireless Network Properties dialog box opens.

Wireless Network Prop	erties	? 🗙				
Network <u>n</u> ame (SSID):	Adhoc					
Wireless network key (WI	Wireless network key (WEP)					
This network requires a key for the following:						
Data encryption (W	Data encryption (WEP enabled)					
Network Authentica	tion (Shared mode)					
Network <u>k</u> ey:						
Key format:	ASCII characters	~				
Key Jength:	104 bits (13 characters)	~				
Key inde <u>x</u> (advanced):	0					
The key is provided for	r me automatically					
This is a computer to computer (ad boo) network : wireless						
access points are not used						
OK Cancel						

- 9. Enter the name of the network. For a peer-to-peer network, this can be any network name not already in use. Example: Adhoc.
- 10. Click the This is a computer-to-computer (ad hoc) network check box.
- 11. If an encryption key has been agreed to by the other members of your network, enter this value.
- 12. Click **OK** to close the Wireless Network Properties dialog box.
- 13. Click the General tab.

🕹 Wireless Network Connection 2 Properties 👘 🛜 🔀				
General Wireless Networks Authentication Advanced				
Connect using:				
ORiNOCO Wireless LAN PC Card (3.3 volt)				
<u>C</u> onfigure				
This connection uses the following items:				
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks QoS Packet Scheduler Internet Protocol (TCP/IP) 				
Install Uninstall Properties				
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.				
Show icon in notification area when connected				
OK Cancel				

- 14. Select Internet Protocol (TCP/IP), then click Properties. The Internet Protocol (TCP/IP) Properties dialog box opens.
- 15. Click the General tab.

Internet	Protocol (TCP/IP) Properties	? 🛛		
General	Alternate Configuration			
You car this cap the app	n get IP settings assigned automatically if yo pability. Otherwise, you need to ask your net propriate IP settings.	our network supports work administrator for		
<u>o 0</u>	btain an IP address automatically			
	se the following IP address:			
ĮP ad	ddress:			
Subr	net mask:			
<u>D</u> efa	ault gateway:			
⊙ 0 <u>t</u>	btain DNS server address automatically			
OUs	s <u>e</u> the following DNS server addresses: —			
Prefe	erred DNS server:			
Alten	mate DNS server:			
	Ad <u>v</u> anced			
		OK Cancel		

- 16. Click Use the following IP address.
- 17. Enter an **IP Address** and **Subnet Mask** for each wireless computer on your ad hoc network. The IP Address for computer 1 should end with a 1 and the IP Address for computer 2 should end with a 2.

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internet Protocol (TCP/IP) Properties 🛛 🛛 🔀		Internet Protocol (TCP/IP) P	roperties 😰
ieneral		General	
You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings.	I automatically if your network supports ed to ask your network administrator for valically	You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings. © ©btain an IP address autom	automatically if your network supports ed to ask your network administrator for atically
• Uge the following IP addres	*	 Uge the following IP address 	κ
JP address:	192.168.100.1	JP address:	192.168.100.2
Sybret mask:	255.255.255.0	Sybriet mask:	255.255.255.0
Default gateway:		Default gateway:	
O Oglain DNS server address	automatically	C Ogtain DNS server address	automatically
O Use the following DNS serv	er addesses	 Use the following DNS service 	er addresses:
Evelened DNS server.	· · · · ·	Evelened DNS server.	
Alternate DNS server:		Alternate DNS server:	1 1 1
	Adganced.		Adyanced.
	OK. Cancel		OK. Cancel
Example IP address and subnet mask for wireless computer 1		Example and subn wireless of	IP address et mask for computer 2

- 18. Click **OK** to close the Internet Protocol (TCP/IP) Properties dialog box.
- 19. Click **OK** to close the Wireless Network Connection Properties dialog box.

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