

Air Station 654 Quick Setup Guide 54Mbps Wireless Notebook Adapter-g WLI-CB-G54A

Use this guide to quickly and easily install your **Wireless Notebook Adapter-g**. For detailed setup and configuration information, refer to the User Manual, located on the AirNavigator Utility CD or the Buffalo Wireless Support Web Page.

Contents

- Wireless Notebook Adapter-g
- AirNavigator CD
- Quick Setup Guides
- Warranty Statement

If any items are missing, please contact the reseller from whom you purchased this product.

System Requirements

- Notebook PC with an available 32-bit CardBus slot
- I0 MB of available disk space (with Client Manager)
- 802.11b or 802.11g access point (Infrastructure Mode) OR a different computer with an 802.11b or 802.11g wireless adapter (Ad-hoc Mode).



- Windows XP : Refer to the Windows XP section of Installing and Configuring the Wireless Notebook Adapter-g to install your Wireless Notebook Adapter-g.
- Windows 98se/ ME/2000: Refer to the Windows 98se/ME/2000 section of Installing and Configuring the Wireless Notebook Adapter-g to install your Wireless Notebook Adapter. Once you successfully install your Wireless Notebook Adapter, continue your setup by referring to the Installing Client Manager section of this guide.

www.buffalotech.com/wireless

Windows XP Installation & Configuration



Step **1** Installing the Wireless Notebook Adapter

Insert the Wireless Notebook Adapter, with the Buffalo logo facing up, into an available CardBus slot. CardBus slots are usually located on the left or right side of the notebook. Once the Wireless Notebook Adapter is installed correctly, the Found New Hardware Wizard will launch automatically. If the Found New Hardware Wizard does not launch, remove the Wireless Notebook Adapter and restart the notebook. Re-insert the Wireless Notebook Adapter once the notebook has rebooted.

Found New Hardware Wizard





Insert the AirNavigator CD

Gelect Install the software automatically. Click the Next button.

NOTE: If **AutoRun** is enabled, exit out of the automatic Software Installation.



Select the driver you want to install. If multiple drivers are listed, select the most recent driver version. Click the **Next** button.

NOTE: If prompted to select a search location, unselect all checkboxes except for the CD-ROM drive

Hardwa	re Installation
<u>1</u>	The software you are installing for this hardware: BUFFALD WLI-CB-G54 Wireless LAN Adapter has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

If a window opens, stating that your driver does not pass Windows Logo testing, click the **Continue Anyway** button. When the Wireless Notebook Adapter is successfully installed, click the **Finish** button. Restart your notebook if prompted.

Services 🐌				کا لـــا اـــ
File Action View	Help			
+ + 🖪 🖬 🕼) 🖪 🕜 🕨 = 🗉 🖦			
🗞 Services (Local)	👋 Services (Local)			
	Wireless Zero Configuration	Name /	Description	Status ^
	2-12-11	Suppoad Manager		Starter
	Stop the service Restart the service	SVolume Shado WebClient		Starter
	COMPC ON SULVICE	Windows Audio		Starter
		Windows Imag		Starter
	Description: Provides automatic	Windows Installer		
	configuration for the 802.11	Windows Mana		Starter
	adapters	Windows Time		Starter
		Wirdess Zero C	Provides a	
		WMI Performan Workstation	Provides p Creates an	Startes *
		<		>
	Extended Standard			-

Step 2 Configuring Wireless Zero Configuration Service

If the Wireless Zero Configuration Service is activated, Windows will scan for available wireless access points once the Wireless Notebook Adapter is properly installed. If Windows detects one or more access points, a networking icon appears in the taskbar. One or more wireless networks are available appears as a caption accompanying the icon.

Note: If the Wireless Zero Configuration Service is not functioning, select **Start » Control Panel » Administrative » Tools » Services**. Select **Automatic** in the **Startup type** field to enable the Wireless Zero Configuration Service. The default value is **Automatic**.

Connect to W	ireless Network	? 🔀
	atwork(s) are available. To access a ne then click Connect.	twork, select it
Available netwo	rks:	
I FOODCAGR	OUP	
1 000000GRC	UP	
	quires the use of a network key (WEP). T a key, and then click Connect.	To access this
nework type th	s key, and then click connect.	
Network key:		
lfyou are having	g difficulty connecting to a network, click	Advanced.
Advanced	Connect	Cancel

Bight click the networking icon in the taskbar and select View Available Wireless Networks to display a list of available wireless networks. (See step 2C if you need to enter an ESS-ID network name or WEP/WPA encryption key.) Select an access point network name or ESS-ID and click the Connect button to establish a connection.

Association Authentication	
Network name (SSID):	00074035E1C6
This network requires a ke	ey for the following:
Network Authentication:	Open 💌
Data encryption:	WEP
Network key:	•••••
Confirm network key:	•••••
Key inde <u>x</u> (advanced):	1
The key is provided for	r me automatically
This is a computer-to-cor access points are not us	nputer (ad hoc) network; wireless ed

Select a network name or access point and click the Advanced button to enter an SSID and/or WEP/WPA/WPA-PSK encryption key into the appropriate field, if any is necessary and click the Connect button.

WPA requirements

Windows XP users must use the Wireless Zero Configuration Service with Service Pack I (SPI) and the WPA patch installed. This software can be downloaded from:

http://www.microsoft.com.

Windows 98SE/2000/ME users require a third-party WPA supplicant such as Odyssey by Funk Software. For more information visit: http://www.funk.com

For more information about the Wireless Zero Configuration Service, refer to the Microsoft Support Web Site: **http://www.microsoft.com**

NOTE: Buffalo Technology recommends that users of the Wireless Zero Configuration Service upgrade to the latest version available free at **http://www.microsoft.com**.

You have finished installing your Wireless Notebook Adapter-g. See **Installing Client Manager** to install Client Manager on your notebook. Client Manager will not function properly if the Wireless Zero Configuration Service is activated. For more information about configuring and operating your Wireless Notebook Adapter-g and Client Manager, refer to the Buffalo Support Web Site: http://www.buffalotech.com/wireless/support/index.php.

Windows 98SE/2000/ME Installation & Configuration



Step 1 Installing the Wireless Notebook Adapter-g

Insert the Wireless Notebook Adapter, with the Buffalo logo facing up, into an available CardBus slot. CardBus slots are usually located on the left or right side of the notebook. Once the Wireless Notebook Adapter is installed correctly, the Found New Hardware Wizard will launch automatically. If the Found New Hardware Wizard does not launch, remove the Wireless Notebook Adapter and restart the notebook. Re-insert the Wireless Notebook Adapter once the notebook has rebooted.

Found New Hardware Wizard			
Install Hardware Device Drivers A device driver is a software program that enabl operating system.	les a hardware de	vice to work with a	
This wizard will complete the installation for this	s device:		
BUFFALO WLI-CB-G54 Wireless L4	AN Adapter		
A device driver is a software program that mai driver files for your new device. To locate drive			
What do you want the wizard to do?			
Search for a suitable driver for my device	e (recommended)	
C Display a list of the known drivers for this	s device so that I a	an choose a spec	cific driver
	< Back	Next >	Cancel

Insert the AirNavigator CD

• Select Search for a suitable driver for my device. Click the Next button to continue to the Locate Driver Files page.

NOTE: If **AutoRun** is enabled, exit out of the automatic Software Installation.



• Verify that no **Optional** search locations are selected. Clear any checkboxes that are selected except for the CD-ROM drive. Click the **Next** button to continue to the **Driver Files Search Results** page.

The wiz	ard found a driver for the following device:
2	BUFFALO WU-CB-G54 Wireless LAN Adapter
Vindov	is found a driver for this device. To install the driver Windows found, click Next.
9	e1/cbg54/vetcbg54.inf

• Windows will display a driver you can use with the Wireless Notebook Adapter. Click the **Next** button to continue the installation process.



() Windows 2000: If the Digital Signature Not Found page opens, informing you that no digital signature exists for the driver you are installing, click the Yes button to continue the installation process. When the Wireless Notebook Adapter is successfully installed, click the

You have finished installing your Wireless Notebook Adapter-g. See **Installing Client Manager** to install Client Manager on your notebook.

Installing Client Manager

Client Manager is used to associate a Buffalo Wireless Client Card or Adapter to an access point.

Note: Client Manager does not function properly if the Windows XP Wireless Zero Configuration Service is enabled.

If you plan to use XP's Wireless Zero Configuration Service, do not install Client Manager.



Insert AirNavigator CD-ROM

(3) The **AirNavigator** dialog box will open automatically. If the **AirNavigator** dialog box does not open automatically, select **Start>Run** and enter **D:\Setup.exe** in the **Open** field to open the dialog box manually. **D:** represents the letter assigned to the CD-ROM drive. If another letter is assigned to the CD-ROM drive, your command should reflect that difference. Click the **OK** button. Select **Install Client Manager** to launch the InstallShield Wizard.



• Once the InstallShield Wizard launches, click the **Next** button to begin the software installation.

int folder, click Browse and select another
Browse
/

• Confirm that the installation location for the software is acceptable. To select an alternate installation location, click the **Browse** button and select another location. Click the **Next** button to continue to the **Select Components** page.

elect Components	
Select the components setup will install.	
Select the components you want to install, and d	eselect the components you do not want to install.
- Client Manager	Description
	Client Manager configures wireless adapters.
3.22 MB of space required on the D drive 9236.40 MB of space available on the D drive Shield	

• Select the components you want to install and click the **Next** button to continue to the **Start Copying Files** page.

ient Manager - InstallShield Wizard	la de la companya de
Start Copying Files Review settings before copying files.	1 S
Setup has enough information to start copying the program files.	
settings, click Back. If you are satisfied with the settings, click Ne Current Settings:	xt to begin copying tiles.
Selected component Client Manager	<u>_</u>
<	~
allShield -	
	Next > Cancel

G Click the **Next** button to begin copying the necessary files to install Client Manager:



G Click the **Yes** button, when prompted, to add a shortcut for Client Manager to your Windows Startup menu. If you click the **Yes** button, Client Manager will run at startup.

NOTE: Users who frequently change profiles should not add Client Manager to the Start-up Group.

 InstallShield Wizard Complete The InstallShield Wizard has successfully installed Client Manager. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now. No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.

G Click the **Finish** button to complete the installation of Client Manager. Restart your notebook.

Note: The Wireless Notebook Adapter and Client Manager will not function properly until you reboot the system.

Depending on the operating system, some screens may vary from those shown in this guide. However, by accepting default installation settings, Client Manager should properly install. For more information about configuring and operating your Wireless Notebook Adapter-g and Client Manager, refer to the Buffalo Support Web Site: http://www.buffalotech.com/wireless/support/index.php.

In order to utilize WPA, users currently require XP's Wireless Zero Configuration Service.

WIndows 98SE/2000/ME users require a third-party WPA supplicant such as Odyssey by Funk Software. More information can be found at : http://www.funk.com

Connecting with Client Manager

SSID	Channel	WEP	Mode
OOCAGROUP	6	N	110/116
aggies	4	Y	11g/11b
secure	6	Y	11g/11b
belkin54g	11	N	119/115
	Con	nect	Refresh

Note: Make sure your Access Point is operational prior running Client Manager.

Open Client Manager and Click the **Survey** button.

Click Refresh.

Select the Access Point to connect to. Add WEP password if applicable.

Click Connect

Wireless Status		2.4 ^{GHz}
Status Network Type Transfer Rate SSID Channel WEP Mac Address	Associated Infrastructure 54 FOOCAGROUP 6 00:07:40-40:00:24	Signal Stree

() Client Manager has associated with the access point

Close Client Manager.

Buffalo Technology Technical Support

Buffalo Technology offers toll-free technical support 24 hours a day, 7 days a week for this product. Customers in the United States and Canada can obtain technical support using the following information:

Online Help	Available on the AirNavigator CD enclosed with your purchase.
User Manual	Available on the AirNavigator CD enclosed with your purchase.
) Web	www.buffalotech.com/wireless
E-mail	info@buffalotech.com
Telephone	866-752-6210 (USA & Canada only)

The constantly evolving state of wireless products and operating systems requires Buffalo Technology to occasionally release updated software to take advantage of new technologies and to comply with industry standards. For the most recent software, firmware, driver, and technical whitepaper releases available, please visit the Buffalo Technology website.

FCC Compliance Statement - See owners manual for complete statement.

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.

R&TTE Compliance Statement - See owners manual for complete statement This equipment complies with all the requirements of the DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE).

Copyright © 2003 Buffalo Technology, Inc. All Rights Reserved.

Buffalo Technology (USA) Inc., is part of MELCO INC., the global manufacturers of IT peripherals, including memory, networking, and multimedia products, inside many of the world's computers. All trademarks are property of their respective owners.