BUFFALO

AirStation G54 **Quick Setup Guide**
54Mbps Wireless Bridge Base Station-g
WLA-G54

Preparation

This Quick Setup Guide will guide you through quickly and easily installing this product on your Windows PC. For detailed setup and configuration instructions, please refer to the User Manual on the Utility CD or the Buffalo Wireless Support website.

Package Contents:
▶ 54Mbps Bridge Base Station
▶ Utility CD-ROM
▶ Quick Setup Guides
▶ AC Adapter
▶ 7ft. Ethernet Cable
▶ Warranty Statement

If any of the contents are missing, please contact the reseller from which this product was purchased.

System Requirements
▶ Desktop or laptop PC with a wireless adapter installed.
▶ Existing Local Area Network to connect to the **AirStation 54Mbps Bridge Base Station**.

There are 2 methods of configuring your **AirStation 54Mbps Bridge Base Station**. Depending on the configuration of the computer you will be using to configure your access point, choose the method to configure the **AirStation 54Mbps Bridge Base Station**.

www.buffalotech.com/wireless

Deciding on a Mode for Initial AirStation Configuration

Ⓐ Wired Connection (recommended)
Ⓑ Wireless Connection

Do not connect the AirStation to your existing network until configuration of the AirStation is complete!
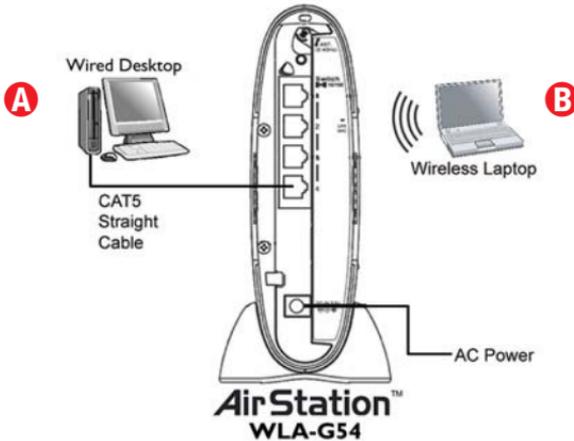
Step **1** Connect your computer to the AirStation

Ⓐ Wired Configuration

Buffalo recommends using a wired connection, meaning your computer is physically connected to the **AirStation** with a CAT5 cable plugged into any one of the four 10/100M Ethernet LAN port. This type of setup will eliminate possible setup problems due to any issues with the wireless adapter on the computer being used to configure the **AirStation**.

A Web browser version 4.5 or later should be used to configure the **AirStation**.

Using the provided CAT5 Ethernet Cable, connect one end into any one of the four (4) 10/100M Ethernet ports on the AirStation and the other to your computer's available Ethernet port. Figure shown above.

Ⓑ Wireless Configuration

Windows XP

If there is no Ethernet adapter available on the computer being used to configure the **AirStation**, a wireless configuration may be performed using a correctly installed 802.11b or 802.11g wireless adapter.

To configure the **AirStation** via a wireless connection, establish a connection to the **AirStation** using the setup instructions that came with the wireless client card or adapter that you are using.

Buffalo highly recommends using Windows XP **Wireless Zero Configuration Service** to connect to and configure Buffalo Access Points/Base Stations.
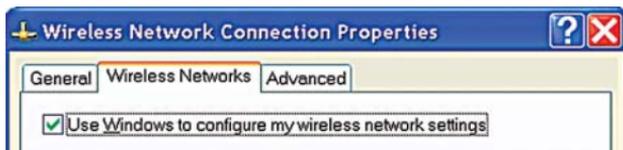
Windows 98SE/2000/ME

If there is no Ethernet adapter available on the computer being used to configure the **AirStation**, a wireless configuration may be performed using a correctly installed 802.11b or 802.11g wireless adapter.

To configure the **AirStation** via a wireless connection, establish a connection to the **AirStation** Compact Bridge using the setup instructions that came with the wireless client card or adapter that you are using.

Step 2 Configure your computers IP address

Refer to your Operating System for further instructions on how to navigate to your TCP/IP Properties.

For Windows 98SE/ME
- Right-click on **Network Neighborhood** or **My Network Places** and select **Properties.**
- Select the Configuration tab, scroll down to TCP/IP and press **Properties.**
- Click **Specify an IP address**
- IP address = **192.168.11.2**
- Subnet mask = **255.255.255.0**
- Click **OK** to close Internet Protocol (TCP/IP) Properties.
- Click **OK** to close Network Connection Properties.
- Close Network Connections window.

For Windows 2000/XP
- Click **Start** => **Settings** => **Control Panel** => **Network Connections**.
- Right-click on **Local Area Network Connection** and select **Properties.**
- Scroll down to **Internet Protocol (TCP/IP)** and press **Properties.**
- Select **Use the following IP address**
- IP address = **192.168.11.2**
- Subnet mask = **255.255.255.0**
- Click **OK** to close Internet Protocol (TCP/IP) Properties.
- Close Network Connections window.

Step 3 Access the AirStation configuration page

Launch your Web browser and type **192.168.11.1** in the address field of the Web browser window and click "**Go**" or press "**Enter**."

If you have previously modified the AirStation and changed the LAN IP address, enter the custom LAN IP address to access the AirStation configuration page.

Step 4 Configure the AirStation

The User name and password field will open. Enter "**root**" as the User name and leave the password field blank. Click **OK** to enter the configuration page.

From this screen, you can access the built-in Web configuration feature that will allow you to configure the AirStation for your local Area Network.

Advanced configuration settings are available by clicking the advanced button.

For more information about configuring and operating your **54Mbps Wireless Bridge Base Station**, refer to the User Manual on the AirNavigator CD or the Buffalo Support Web Site: **http://www.buffalotech.com/wireless/support**

If at any time you wish to restore settings to factory defaults, press the red INIT button on the rear of the AirStation for several seconds until the red DIAG light illuminates.

Once configuration is complete, connect the AirStation to your Local Area Network for normal operation.

Connect the AirStation to your existing LAN

Once configuration is complete, connect the AirStation to your existing Local Area Network. Plug the provided 7ft. Ethernet cable into any one of the four 10/100M Ethernet ports on the **AirStation 54Mbps Bridge Base Station** and plug the other end into an Ethernet hub or switch on your Local Area Network.
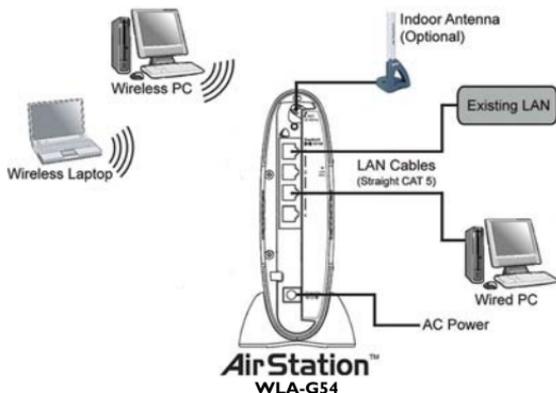
Once the **AirStation** is connected to the existing LAN, users accessing the LAN through the **AirStation** must configure the computer's TCP/IP Settings to match your existing LAN.

Contact your network administrator if your computer requires a static IP Address or if using DHCP Services.

This completes the basic **AirStation Configuration**. To change advanced settings consult the Buffalo Support Web Site:
http://www.buffalotech.com/wireless/support.

MAC Address and SSID
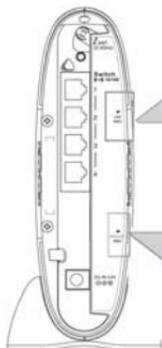
The **LAN or Wired MAC addres**s is the default **ESS-ID (SSID)** of the **AirStation.** The LAN MAC address is located on the rear of the **AirStation** clearly labeled next to the 4-port switch.

The **Wireless MAC address** of the **AirStation** is used for WDS functionality.

Bridge/Repeater Mode (WDS)

Simple setup configuration of the **AirStation** for Bridge/Repeater mode (WDS). Wireless Signals of the **Buffalo** Bridge Access Points must overlap in order for communication to take place. Please consult the online manual or the **Buffalo Support Web Page** for advanced information on WDS.
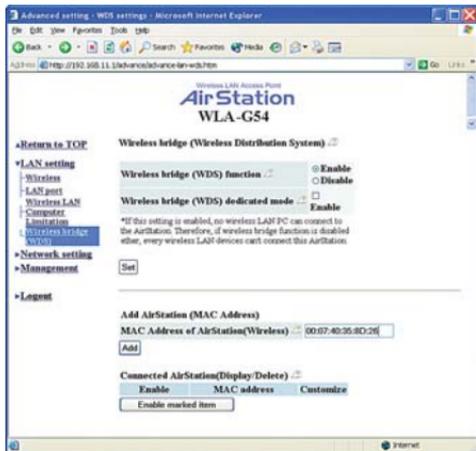
Click Wireless **Bridge (WDS)**
Enter the Wireless MAC address of the Buffalo Bridge Access Point you wish to communicate with.

Click **Add.**
Click **Enable** next to Wireless Bridge function.
Click **Set.**

You will have to click **Apply** when the next window appears (shown below).

The **AirStation** will reboot.
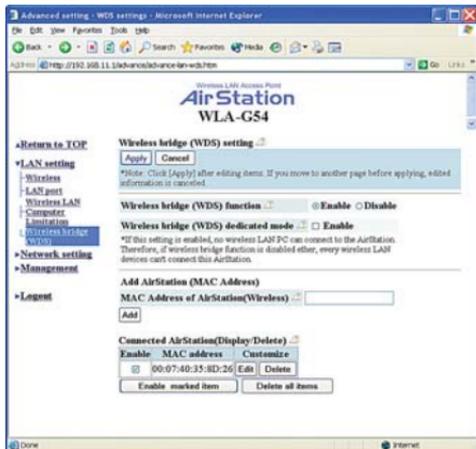
Once WDS is enabled and setup correctly, the MAC address of the bridged access point will be shown at the bottom of the screen.

User will need to repeat the process and enter the Wireless MAC address of the **AirStation Compact Bridge** into the **Buffalo** Bridge Access Point it is communicating with.

Base Stations must be on the same channel to communicate and have the same WEP keys (if used) in WDS mode.

NOTE: WPA is currently not supported in WDS Mode.
WDS is not supported with third-party bridge access points.

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.
▶ **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).