ZyXEL AG-225H

802.11a/b/g Wi-Fi Finder & USB Adapter

Quick Start Guide

10/2005
Version 2.1

Important Note

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 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.

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.
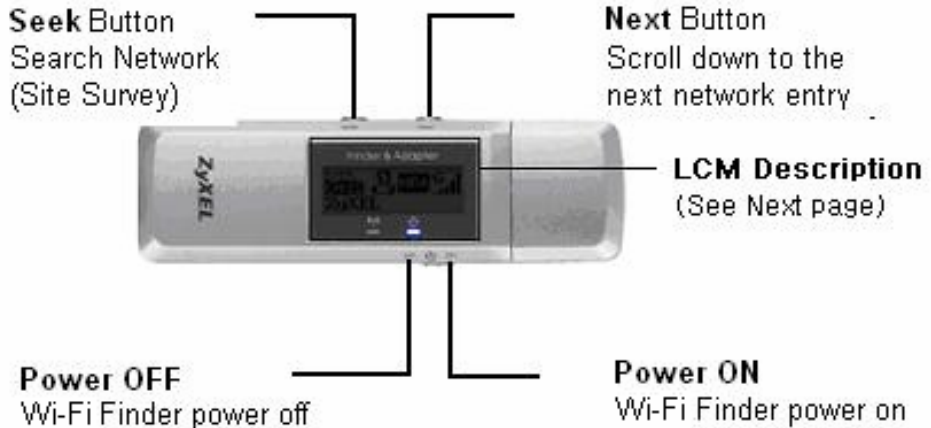
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

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.

1. Wi-Fi Finder Mode (User Interface)

Seek Button
Search Network
(Site Survey)

Next Button
Scroll down to the
next network entry

LCM Description
(See Next page)

Power OFF
Wi-Fi Finder power off

Power ON
Wi-Fi Finder power on

1.1 LCM Description

Detect Mode

S Display up to 15 detected networks in the order of the signal strength

F Display the detected networks without any security setting (free hot spot).

D Display the dedicated network you choose to use

Entry

Display the current entry of the detected Access Points. Users can detect up to 15 networks at one time.

Channel

Display the radio channel of the detected network.

Security Information

WEP WEP security is enabled.

WPA WPA security is enabled.

Wireless security is disabled (no security)

Signal
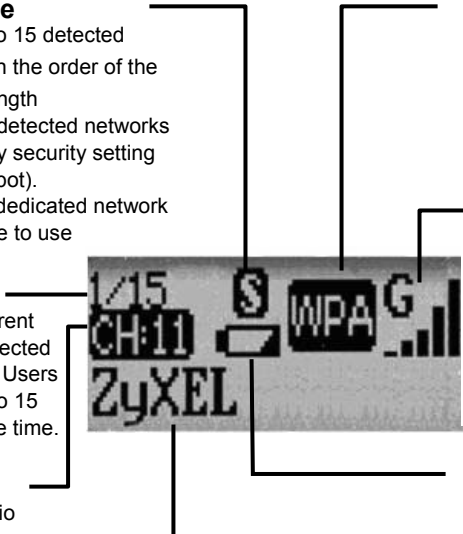
Indicate A/B/G World Wide Radio Band.

5 levels of signal strength.

^{A}.ıl 802.11a mode at 5 GHz band

^{B}.ıl 802.11b mode at 2.4 GHz band

^{G}.ıl 802.11g mode at 2.4 GHz band

SSID

The SSID identifies the Service Set to the network users detect. When the length of SSID is longer than 12 characters, it will be scrolled horizontally.

Power

Display Low Battery

Full Display Full Battery

1.2 Basic Operation

1. Power on the ZyXEL AG-225H

2. The ZyXEL AG-225H will automatically detect the available wireless networks in 6~7 seconds.

3. The site survey information will be displayed on the LCM including the SSID, channel, signal strength, wireless network protocol (IEEE802.11a/b/g), and the type of wireless security/encryption (WEP or WPA)
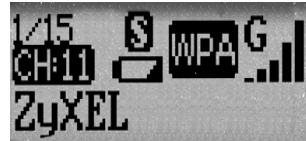
4. Push the "Next" button to see more access points you have detected.

For advanced features of the ZyXEL AG-225H, there are totally 3 modes to choose:

🅂 Mode   🅂 mode is set by default for most users to detect the Wi-Fi networks.

🅵 Mode (Free Mode)   Hold the "Seek" button for 1 second to switch to 🅵 mode. In 🅵 mode, push the "Seek" button to detect the free hot spots or available WLAN that you can connect to the Access Point without any security setting.

⓵ Mode   When you need to connect the specific Aceess Point and lock on it, push the "Next" button to select the desired Aceess Point. To dedicate tracking a certain AP, hold the "Seek" button to swith to ⓵ mode.

Then push "Seek" button once again to periodically do the site survey automatically in ⓵ mode. By doing so, the modes can be changed from ⓵ mode to ⓢ mode.

When ZyXEL AG-225H Wi-Fi Finder is not used for 1~2 minutes, the device will enter into the power saving mode untill you push the "Seek" button again for searching the access points.

Charging   When low power icon appears ▭, recharge the ZyXEL AG-225H with your USB port on your laptop or desktop PC. The LCM will display ⊐⌁ when the device is charging and display **Full** when the device finishs charging.

Note: To save power, switch off the ZyXEL AG-225H when not using Wi-Fi Finder.

1.3 LED Display

The following table describes the LEDs on the ZyXEL AG-225H (Wi-Fi Finder Mode)

LED	COLOR	STATUS	DESCRIPTION
PWR	Blue	On	The ZyXEL AG-225H is power on.
		Off	The ZyXEL AG-225H is either power off or entering into the Power Saving Mode.
LINK	Blue	On	The ZyXEL AG-225H is detecting the wireless network
		Off	The ZyXEL AG-225H is not detecting the wireless network.

1.4 Button Display

The following table describes the Buttons on the ZyXEL AG-225H (Wi-Fi Finder Mode).

BUTTON	DESCRIPTION
SEEK	Push "SEEK" to detect the wireless networks.
NEXT	Push "NEXT" to see the wireless networks you detect.
OFF/ON	Switch right to power on the ZyXEL AG-225H.
	Switch left to power off the ZyXEL AG-225H.

2. Installation Requirements for Adapter Mode

Before installation, make sure you have the following requirements.

- Pentium II 300MHz or above
- A minimum of 20 MB available hard disk space
- A minimum of 64 MB RAM
- A CD-ROM drive
- A computer with an available USB port
- USB1.1 Interface (USB 2.0 strongly recommended)
- Windows XP/2000

2.1 ZyXEL Utility/Driver Setup in Adapter Mode

The installation procedures are similar for all supported Windows versions.
Windows XP screen shots are shown unless otherwise specified.

☞ **DO *NOT* insert the ZyXEL AG-225H at this point.**

1. Insert the support CD into the CD-ROM drive on your computer. The installation program will automatically run. If it does not, locate and double-click **setup.exe** on the support CD.

2. Click **Install Utility** to start installation.

3. Client utility and driver will be automatically installed.

4. A welcome screen displays. Click **Next**.

5. Click **Next** to accept the default file location or click **Browse** to select an alternate folder.
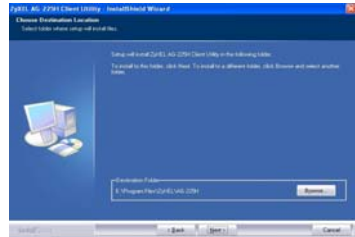
6. Click **Finish** to complete the installation.

7. After installation is completed, a Z icon will appear in your system tray.

8. Locate an available USB port on the computer (USB 2.0 Port Preferred).

9. Connect the ZyXEL AG-225H to your USB port via the included USB cable.

10. The LED turns on if the ZyXEL AG-225H is properly plug in.

> ☞ **Never bend, force or twist the ZyXEL AG-225H USB Connector or Cable into the slot on your PC.**

11. Windows will automatically install and configure the ZyXEL AG-225H.

12. Double click the Z icon to configure your wireless adapter.

> ☞ **If the ZyXEL Utility icon displays, the ZyXEL AG-225H is installed properly. Refer to the *User's Guide* to configure the ZyXEL AG-225H for more features and functionalities.**

Important Notice:

For users who need enhanced security settings for IEEE 802.1x as well as connecting from the wireless client to the corporate RADIUS server, you may need to install Funk Odyssey Client software. Please refer to the *User's Guide* for the detail configuration and advanced features.

2.2. LED Display

The following table describes the LEDs on the ZyXEL AG-225H (Adapter Mode).

LED	COLOR	STATUS	DESCRIPTION
PWR	Blue	On	The ZyXEL AG-225H is powered.
		Off	The ZyXEL AG-225H is power off.
LINK	Blue	On	The ZyXEL AG-225H is connected.
		Blinking	The ZyXEL AG-225H is receiving or sending data.
		Off	The ZyXEL AG-225H is not receiving or sending data.

3. Troubleshooting

PROBLEM	CORRECTIVE ACTION
Windows does not auto-detect the ZyXEL AG-225H.	Make sure the ZyXEL AG-225H is properly connected to the USB port and then restart your computer. Once the computer has restarted, check the status of the LEDs on the ZyXEL AG-225H.
	Perform a hardware scan by clicking **Start**, **Settings**, **Control Panel** and then double-click **Add/Remove Hardware**. (Steps may vary depending on the Windows version). Follow the on-screen instructions to search for the ZyXEL AG-225H and install the driver.
	Check for possible hardware conflicts. In Windows, click **Start**, **Settings**, **Control Panel**, **System**, **Hardware** and then click **Device Manager**. Verify the status of the ZyXEL AG-225H under **Network Adapter**. (Steps may vary depending on the Windows Version).
	Install the ZyXEL AG-225H in another computer. If the error persists, there may be a hardware problem. In this case, please contact your local vendor.

4. Customer Support

Please have the following information ready when you contact your local vendor.

- Product model and serial number.
- Warranty Information.
- Date that you received your device.
- Brief description of the problem and the steps you have taken.