

ZyAIR 200 Wireless LAN USB Adapter

Quick Start Guide

Version 1.0.3

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ZyXEL

TOTAL INTERNET ACCESS SOLUTION

Contents

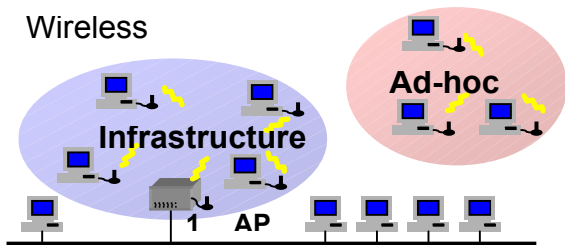
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1 Network Configuration

The ZyAIR 200 Wireless LAN USB Adapter provides you an easy and fast way to access your wireless and wired network. The ZyAIR 200, which utilizes the latest advancement of the computer industry – USB technology, allows you to install and use the ZyAIR 200 easier than ever before.

The ZyAIR 200 can be operated in Ad-Hoc and Infrastructure network configurations. **Ad-Hoc mode** allows ZyAIR 200 users to join a Basic Service Set (for instance, peer-to-peer mode without access point).

Infrastructure mode allows ZyAIR 200 users to join an Extended Basic Service Set (for instance, connect to an access point).



2 Package Content

- ZyAIR 200 Wireless LAN USB Adapter
- Quick Start Guide
- Support CD-ROM

3 Driver Installation

3.1 Windows 98/ME

- Connect the ZyAIR 200 to an available USB port on your computer. Windows will auto-detect the ZyAIR 200 display a **New Hardware Found** screen. Click **Next**
- Select **Search for the best driver for your device. (Recommended)**. Click **Next**.
- Insert the Support CD-ROM into the appropriate drive and specify the location of the driver. Click **Next**.
- Click **OK** to locate Windows system files. They may be found in C:\WINDOWS or C:\WINDOWS\SYSTEMS. Otherwise insert your Windows 98/ME CD-ROM.
- Click **Finish** and then click **Yes** to restart your computer.
- Click **Start, Control Panel, System, Device Manager**. Click **Network Adapters**. Locate the ZyAIR 200 icon. If no error icon appears, your ZyAIR 200 is working

3.2 Windows 2000

- Connect the ZyAIR 200 to an available USB port on your computer. Windows 2000 will auto-detect the ZyAIR 200 and displays a **Found New Hardware Wizard** dialog box. Click **Next**.
- Select **Search for a suitable drive for my device (recommended)** and click **Next**.
- Insert the Support CD-ROM and select specify a location. Click **Next**.
- Windows will find a USB device. Click **Next**.
- If you encounter a warning window, click **Yes** to continue.
- Click **Finish** and then **Yes** to restart your computer.
- Click **Start, Control Panel, System, Device Manager**. Click **Network Adapters**. Locate the ZyAIR 200 icon. If no error icon appears, your ZyAIR 200 is working.

3.3 Windows XP

- Connect the ZyAIR 200 to an available USB port on your computer. Windows XP will auto-detect the ZyAIR 200 and display **Found New Hardware Wizard** window. Select **Install from a list or specific (Advanced)** and click **Next**.
- Insert the Support CD-ROM into the appropriate drive and specify the location where the driver. Click **Next**.
- If you encounter a warning window, click **Continue Anyway** to continue the installation process.
- Click **Next** and then **Finish** to complete the installation.
- Click **Start, Control Panel, Performance and Maintenance (in category view) , System, Hardware, Device Manager**. Click **Network Adapters**. Locate the ZyAIR 200 icon. If no error icon appears, your ZyAIR 200 is working.

4 Utility Installation

- To install the ZyAIR 200 Utility, insert the Support CD-ROM and double click **setup.exe**.
- Follow the on-screen instructions to complete the utility installation.
- To run the utility for the first time, click **Start, Programs** and then **ZyAIR 200 Utility**. Then double click **ZyAIR 200 Utility** in the system tray and configure your ZyAIR 200 using this interface.

4.1 Utility Information

Monitor and configure your ZyAIR 200 using the following utilities: **Status, Counter, AP Browser, Configuration, Encryption and About**.

4.1.1 Status

The **Status** tab displays the current status of the ZyAIR 200.

4.1.2 Counter

The **Counter** tab displays the transmission throughput in byte per second.

4.1.3 AP Browser

Click **Rescan** button to display Access Points around the working environment, the **BSSID** and **SSID** of each Access Point, **Channel**, **Signal** and **Encryption**. To join a displayed Access Point, select the Access Point you wish to connect .

4.1.4 Configuration

Use **Configuration** to configure **Network Type**, **Channel**, **Transmit(Tx) Rate**, **SSID** (Service Set ID), **WEP**, **RTS/CTS Threshold** and **Fragment Threshold**.

4.1.5 Encryption

To secure your data transmission, set up your encryption keys in the **Encryption** tab.

4.1.6 About

Use **About** to display the driver, firmware and application version of your ZyAIR 200.

5 Set Up an Ad-Hoc Network

- Click on **Configuration** tab. Select **Ad-Hoc** under **Network Type**.
- Select **Channel**. Click on **AP Browser** tab to view channel quality under the **Signal** column. Change to a better channel if necessary.

Computers in a specific Ad-Hoc network must be configured to the same radio channel.

6 Set Up an Infrastructure Network

- Click on **Configuration** tab. Select **Infrastructure** under **Network Type**.
- Select **Channel**. Click on **AP Browser** tab to view channel quality under the **Signal** column. Change to a better channel if necessary.
- Specify the **SSID** of a specific wireless LAN you wish to connect to. Type **ANY** (all upper case) to connect to any wireless LAN.

7 Encryption

ZyAIR 200 offers highly secure data transmission using WEP (Wired Equivalent Privacy). Refer to User's Guide for more information.

- Click **Encryption** tab. Select **64 Bit** or **128 Bit** under **Encryption**.
- Create the encryption keys depending on the type of encryption you choose.
- Select **Wep key to use** to activate a key.

To allow encrypted data communications, you must set the same encryption key values on all wireless stations and/or Access Points.

8 Driver Update

Download the latest driver and read the section relevant to your Windows version.

8.1 Windows 98/ME

- Double-click **System**, click the **Hardware** tab and click **Device Manager**.
- From **Network Adapters**, double-click **ZyAIR 200**, click the **Driver** tab and then click **Update Driver**.
- Click **Next** to proceed.
- Select **Display a list of all the drivers in a specific location, so you can select the driver you want** and click **Next**.
- Click **Have Disk** and specify the location of the new driver.C
Click **OK**.
- From the **Models** list, select **ZyAIR 200** and click **OK**.
- The Windows will copy the new driver files (wlannic.inf / wlannds.sys) onto your computer.
- Once the **Please insert the disk labeled Windows 98/ME CD-ROM, and then click OK** window appears, type the path corresponding to the appropriate drives and click **OK**. Usually these files can be found at C:Windows or C:Windows\system.
- Click **Finish**. Restart your computer.

8.2 Windows 2000

- From the **Start** main menu, click **Control Panel**.
- Double-click **System**, click the **Hardware** tab and then click **Device Manager**.
- From **Network Adapters**, double-click the **ZYAIR 100** icon. Click the **Driver** tab and then click **Update Driver**.
- Click **Next**.
- Select **Display a list of the known drivers for this device so that I can choose a specific driver** and click **Next**.
- Click **Have Disk** and specify the location where the driver is placed, then click **OK**.
- From the **Network Adapter** list, select **ZyAIR 200** and click

Next.

- Click **Next**, Windows will copy the new driver files (wlannic.inf / wlannds.sys) onto your computer.
- Click **Finish**.

8.3 Windows XP

- From the **Start** main menu, go to **Control Panel**.
- Double-click **System**, click the **Hardware** tab and then **Device Manager**.
- From **Network Adapters**, double-click **ZyAIR 200**.
- Click **Driver** tab, **Update Driver** and click **Next**.
- Select **Don't search. I will choose the driver to install** and click **Next**.
- Click **Have Disk**, specify the location of the driver and then click **OK**. Windows will copy the new driver files (wlannic.inf/wlannds.sys) onto your computer.
- Click **Finish**.

9 Software Information

View the firmware, software or driver versions of your ZyAIR 200 on the utility **About** window. You could download and upgrade the most recent software version from the supplier's web site or refer to your reseller for the latest software information.