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Model: NSA310 | Brand: ZYXEL

1. OVERVIEW

The ZyXEL NSA310 is a versatile 1-bay Network Attached Storage and Media Server designed to centralize your digital media. It allows you to insert any SATA hard drive up to 3TB (sold separately) to store, share, and stream your content in high definition to various devices including game consoles, PCs, phones, digital media players, PDAs, or any other DLNA-capable device connected to your home network. This device simplifies file management with automated backup features and programmable PC-independent downloads, ensuring your media and data are always accessible and protected.

2. PRODUCT FEATURES

- Automatically upload files to Flickr, YouTube, or file hosting websites.
- Functions as an iTunes & Squeezebox server to share streaming music across your network.
- zPilot technology facilitates file organization with simple drag-and-drop functionality.
- Features a built-in hard drive bay, transforming your spare hard drive into a full-featured media server.
- DLNA 1.5 certification ensures broad compatibility with a wide range of media devices.

PRODUCT VIEWS



Figure 1: Front view of the ZyXEL NSA310 Network Attached Storage device. It features a power button at the top, followed by LED indicators for system status (SYS), hard drive activity (HDD), USB, eSATA, and copy functions. A COPY/SYNC button and a front USB port are also visible.



Figure 2: Rear view of the ZyXEL NSA310. This side displays the cooling fan, eSATA port, two USB ports, LAN (Ethernet) port, reset button, DC 12V power input, and a security lock slot.



Figure 3: Angled view of the ZyXEL NSA310, providing a clearer perspective of the rear ports including eSATA, USB, LAN, and power input, along with the cooling fan.

3. PACKAGE CONTENTS

Please verify that all items are present in your product packaging:

- ZyXEL NSA310 1-bay Network Attached Storage Unit
- AC Power Adapter
- Ethernet Cable
- Quick Start Guide
- Screws for Hard Drive Installation

4. SETUP

4.1 Hardware Installation

1. **Install Hard Drive:** Open the NSA310 enclosure and carefully insert a compatible SATA hard drive (up to 3TB, sold separately). Secure the hard drive using the provided screws.
2. **Connect to Network:** Connect one end of the Ethernet cable to the LAN port on the back of the NSA310 and the other end to an available port on your network router or switch.
3. **Connect Power:** Plug the AC power adapter into the DC 12V input port on the NSA310, then plug the adapter into a power outlet.
4. **Power On:** Press the power button on the front of the unit. Observe the LED indicators for power and network status.

4.2 Initial Configuration

After powering on, the NSA310 will boot up. You can access the device's management interface via a web browser on a computer connected to the same network. Refer to the Quick Start Guide for initial IP address or discovery tool instructions.

- **User Accounts and Shares:** Create user accounts and define shared folders with appropriate access permissions through the web interface.
- **Network Settings:** Configure network settings such as IP address (if not using DHCP) and workgroup/domain settings.
- **Time and Date:** Ensure the correct time and date are set for proper logging and scheduling.

5. OPERATING INSTRUCTIONS

5.1 File Storage and Sharing

- **Network Access:** Access shared folders from your computers (Windows, Mac) or mobile devices using standard network protocols (SMB/CIFS, AFP).
- **DLNA Media Server:** The NSA310 is DLNA 1.5 certified. Enable the media server feature to stream photos, music, and videos to compatible devices on your network.
- **iTunes & Squeezebox Server:** Utilize the built-in server functionalities to share your music library with iTunes and Squeezebox clients.

5.2 Data Management

- **Automated Backup:** Configure automated backup tasks to protect your important files from connected devices to the NSA310.
- **PC-Independent Downloads:** Schedule downloads directly on the NSA310 for podcasts, videos, and software updates without needing a PC to be on.
- **zPilot File Organization:** Use the zPilot feature for easy drag-and-drop file organization and automatic

categorization.

5.3 External Device Connectivity

The NSA310 features USB 2.0 and eSATA ports for connecting external storage devices. These external drives can be accessed as separate directories within the NSA310's file tree and will not be reformatted. This allows for flexible expansion of storage or temporary data transfer.

6. MAINTENANCE

- **Firmware Updates:** Regularly check the ZyXEL support website for the latest firmware updates to ensure optimal performance, security, and access to new features. Follow the provided instructions carefully for the update process.
- **Proper Airflow:** Ensure the NSA310 is placed in a location with adequate ventilation to prevent overheating. Avoid blocking the air vents on the unit.
- **Power Adapter:** Always use the original AC power adapter supplied with your NSA310. Using an incorrect power adapter can lead to abnormal operation or hardware failure. Verify the output voltage and amperage match the unit's specifications.
- **Cleaning:** Keep the unit clean and free from dust. Use a soft, dry cloth for external cleaning.

7. TROUBLESHOOTING

- **Unit Not Powering On:**
 - Verify the power adapter is securely connected to both the NSA310 and a working power outlet.
 - Ensure the power button has been pressed.
- **Cannot Access NSA310 on Network:**
 - Check that the Ethernet cable is securely connected to both the NSA310 and your router/switch.
 - Confirm your network router is functioning correctly.
 - Use the ZyXEL discovery utility (if available) to locate the device's IP address.
 - Ensure no firewall settings on your computer or router are blocking access.
- **Hard Drive Not Detected:**
 - Ensure the hard drive is correctly seated and secured within the bay.
 - Verify the hard drive is a compatible SATA model.
 - Check the hard drive LED indicator on the front panel.
- **Slow Performance:**
 - Ensure your network connection is stable and operating at its optimal speed (e.g., Gigabit Ethernet).
 - Check for any background tasks running on the NSA310 (e.g., backups, downloads).
 - Monitor hard drive health through the web interface.
- **Abnormal Behavior/Firmware Issues:** If the unit exhibits unexpected behavior or the power LED flashes amber (if applicable), consult the full user manual or contact ZyXEL support.

8. SPECIFICATIONS

Brand	ZYXEL
Model Number	NSA310
Size	1-bay
Color	Black
Compatible Devices	Gaming Console
Item Weight	2 Pounds
Assembly Required	No
Manufacturer	ZyXEL
UPC	033584060092, 778890666285, 115971069595, 760559119768
ASIN	B005TJLU24

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or further support, please refer to the official ZyXEL support website or contact their customer service. When contacting support, please have your product's model number (NSA310) and serial number readily available to expedite assistance.

For the most up-to-date information and resources, visit the [ZYXEL Store on Amazon](#).