

# ZyXEL



[www.zyxel.com/green](http://www.zyxel.com/green)

- Superior performance for simultaneous file transfers and multiple HD streams
- Faster data backup with NTFS support
- Intuitive user interface integrated with media player
- zPilot™ for media auto-classification by easy drag-and-drop
- Just click and select to easily enhance features for your network application needs
- Runs eMule/BitTorrent/FTP/HTTP downloads independent of PC
- Advanced green NAS with Wake-on-LAN, power scheduling and hard disk hibernation for energy savings

## Powerful HD Multimedia Streaming at Fingertips!

### Benefits

#### Superior performance for simultaneous file transfers and multiple HD streams

With a powerful CPU and sufficient memory, the ZyXEL NSA320 2-Bay Power Media Server can quickly transfer, backup and stream large multimedia files at the same time. Its superior data read/write rate is up to four times faster than most generic network storage appliances. The NSA320 also handles multiple simultaneous 1080p high-definition streams to different UPnP and DLNA-certified devices such as Microsoft XBOX360, Sony PS3 and DLNA TV in every room at home.

The NSA320 features rich server technologies for multimedia sharing. Acting as an iTunes server, SqueezeCenter, personal blog and photo album server, the NSA320 can simplify streaming and sharing multimedia on PCs, laptops and SqueezeBoxes.

#### Faster data backup with NTFS support

With the NTFS drivers built-in, the NSA320 provides high-speed data transfer rate (read/write rate) for NTFS-formatted external hard drives. It efficiently saves time to back up your data, photos, music and videos among your PC, NSA and external hard drives.

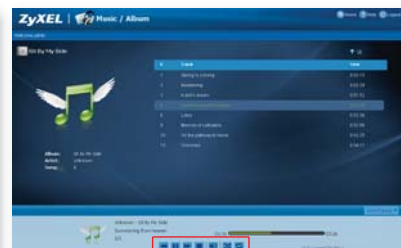
#### Intuitive user interface integrated with media player

With the user-friendly installation wizard, it's easy to manage and backup media files on the NSA320. You can also play music and slide shows directly from the NSA320 through the intuitive user interface integrated with a media player.

The NSA320 allows you to create a music playlist to play on the background of your slide shows. A newly designed alphabetical search bar provides you with a more convenient way to search within thousands of songs, photos and videos stored on the NSA320.



Home Screen



Music Playback Button

**NSA320**  
2-Bay Power  
Media Server

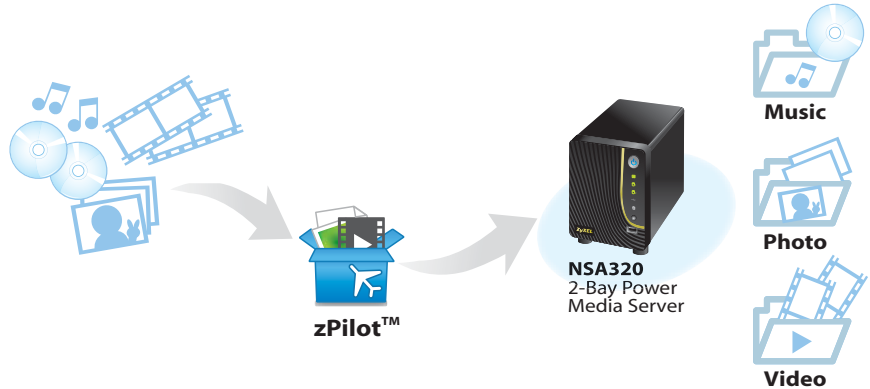




## NSA320 2-Bay Power Media Server

### zPilot™ for media auto-classification by easy drag-and-drop

The zPilot™ auto file classification function of the NSA320 enables you to easily store and manage media files through simple drag-and-drop operations. With the zPilot™ software installed via the NAS Starter Utility, you can drag one or more files/folders onto the desktop icon of zPilot™, and the files/folders will be identified and delivered automatically to the music, photo, video or other designated folders on the NSA320; users can easily check the data upload status during the process.



### Click and select to easily enhance features for network application needs

The user-friendly Web-based NSA320 utility makes it easy for users to enhance its features in minutes. Users can customize their preferred applications with just a few clicks via the "Package Management", and the selected application software will be downloaded from ZyXEL Web site and installed automatically. It reserves storage space for applications you require and offers real-time application software support according to your needs. In addition, users can immediately download the latest firmware from ZyXEL Web site to the NSA320 through the online auto-upgrade firmware service.

### Powerful auto download/upload platforms freeing up your PC



The NSA320 allows users to continuously download large files using eMule, BitTorrent, FTP or HTTP services without powering on their PC. The auto-upload function enables NSA320 to automatically upload files stored in the NSA to FTP servers or other media sharing Web sites like Flickr and YouTube—a very efficient way to share files with friends and family.

### Green media server for energy saving



A new green feature dubbed "Wake-on-LAN" enables users turn on the NSA320 and access media files remotely anytime and anywhere, even when the device at home is powered off. In addition, with support to the hibernation mode, the internal hard disks in the NSA320 can automatically spin down when there is no data transmission after a period of time. With the power scheduling function, the NSA320 can be turned on or off automatically based on your usage patterns and needs to conserve power and expense.



## NSA320 2-Bay Power Media Server

### Specifications

#### System Specifications

##### Networking

- Network protocol:
  - TCP/IP
  - CIFS/SMB, NFS (for Linux/Unix)
  - FTP, HTTP
  - DHCP client
  - PPPoE
  - NTP (Network Time Protocol)
- Network setting:
  - DyDNS support
- Network applications:
  - Gigabit jumbo frame support up to 9K bytes
  - UPnP AV server
  - iTunes server support
  - SqueezeCenter support
  - Samba/FTP server support
  - Photo album server
  - phpMyAdmin/MySQL/PHP
  - Support eMule/BitTorrent/FTP/HTTP downloads
  - Auto-upload newly-added files to FTP servers, flickr and YouTube

##### Media Playback Support

- Support Windows Media Center plug-ins for playing music/videos
- Support photo slide show

##### File System Support

- Internal HDD: XFS
- External HDD: NTFS, EXT2, EXT3, FAT32, ReiserFS, XFS

##### Security

- Support HTTPS and FTPES (FTP over explicit TLS/SSL)
- Encrypted NSA to NSA remote replication
- Encrypted NSA to external disk archive backup

##### Backup Solutions

- One-touch copy/sync button for external USB-capable devices backup
- Backup planner:
  - Instant/scheduled backup
  - NSA to NSA synchronization/archive backup
  - NSA to external USB hard disk backup
- PC to NSA backup (Memeo AutoBackup software)

##### USB Device Support

- USB hard disk and card reader
- Digital camera (support picture transfer protocol)
- UPS monitoring and auto shutdown

##### RAID Features

- RAID0, RAID1, JBOD

##### Disk Maintenance

- Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.)
- Automatically detect disk bad block with e-mail notification

##### Power and Thermal Management

- Power control:
  - Internal disk hibernation support
  - Scheduled power on/off/reboot
  - System automatically resume after power outage
  - Wake-on-LAN support
- Thermal management:
  - Smart fan speed control
  - High temperature alert/buzzer
  - Auto shutdown at high temperature

##### Management

- User & group management
- Package management for setting up applications
- IP filter table management
- Download service with bandwidth control
- Download status management
- RSS client and server support auto-download and notification
- Recycle bin with auto-cleanup and restoring files function

##### System Tools

- System maintenance:
  - System resource, session, status monitoring
  - Online auto-upgrade firmware
- Alarm:
  - E-mail notification for specific severity of log recorded
  - High temperature e-mail alert with auto-shutdown option
- Logs:
  - Syslog record
  - Periodically system event with e-mail notification

##### Minimum System Requirements

- OS for utility: Windows XP/Vista/7 (32 & 64 bit)
- Browser: IE 6.0+, Firefox 2.0+, Chrome 4.0+

#### Hardware Specifications

- Two 3.5" SATA I/II hard disk interface supported
- One Gigabit Ethernet RJ-45 connector
- Three USB 2.0 ports
- Buttons:
  - Power button
  - Copy/Sync button
  - Reset button
- Smart fan design
- Power consumption:
  - Access mode: 32.2 Watt
  - Hard disk hibernation mode: 10 Watt
- Power supply:
  - Input: 100 ~ 240 V AC, 50/60 Hz
  - Output: 19 V DC; 2.1 A

#### Physical Specifications

- Item weight: 1,060 g (2.34 lb)
- Item dimensions:
  - 108 (W) x 205 (D) x 147 (H) mm
  - (4.25 (W) x 8.07 (D) x 5.79 (H) inches)
- Packing weight: 1,350 g (2.98 lb)
- Packing dimensions:
  - 280 (W) x 173 (D) x 210 (H) mm
  - (11.02 (W) x 6.81 (D) x 8.27 (H) inches)

#### Environmental Specifications

- Operating environment:
  - Temperature: 0°C ~ 40°C (32°F ~ 104°F)
  - Humidity: 0% ~ 95% (Non-condensing)
- Storage environment:
  - Temperature: -30°C ~ 70°C (-22°F ~ 158°F)
  - Humidity: 0% ~ 95% (Non-condensing)

#### Certifications

- Safety: CE LVD
- EMC: CE, FCC class B, C-Tick, BSMI
- Others: DLNA 1.5, UPnP, Windows 7

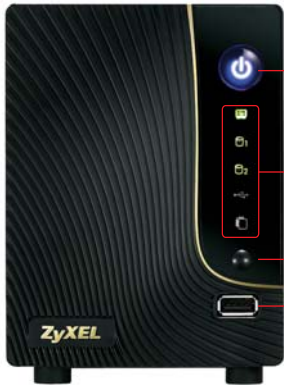
#### Package Contents

- Network storage device (Hard disks not included)
- Power supply & power cord
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card



## NSA320 2-Bay Power Media Server

### Front Panel



Power LED

LED Indicator:  
System/HDD1/  
HDD2/USB/Copy

Copy/Sync Button

USB 2.0 Port

### Rear Panel



USB 2.0 Port

Gigabit  
Ethernet Port

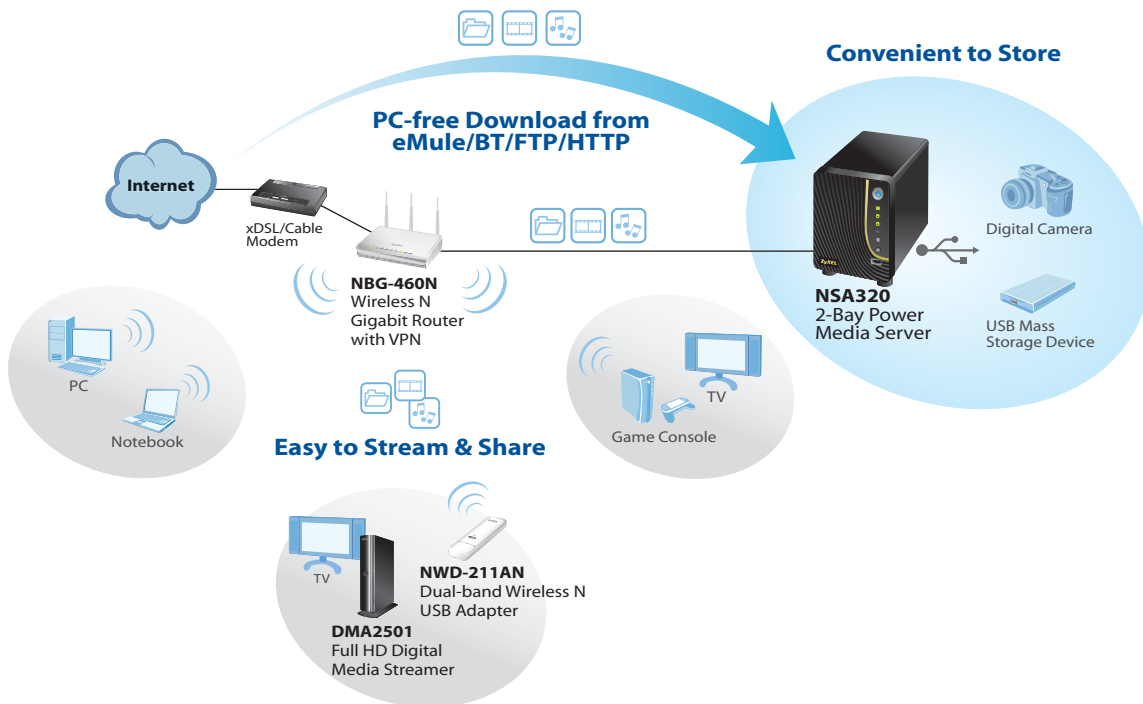
Fan

Kensington Security Slot

Power  
Connector

Power Cord Storage Hook

### Application Diagram



For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)



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