



NSA325

Support Note

Version 1.00

Sep, 2011



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1. NAS Starter Utility

1.1 NAS Starter Utility Installation

After you install a new hard drive on the NSA325, please make sure to use the NAS Starter Utility to discover and access the NSA325 to assign an IP address by DHCP or a static IP. The steps are as below.

- Double-click setup.exe.  NSU_V2.10_build_1034.exe
- Click “Next” to begin the installation.

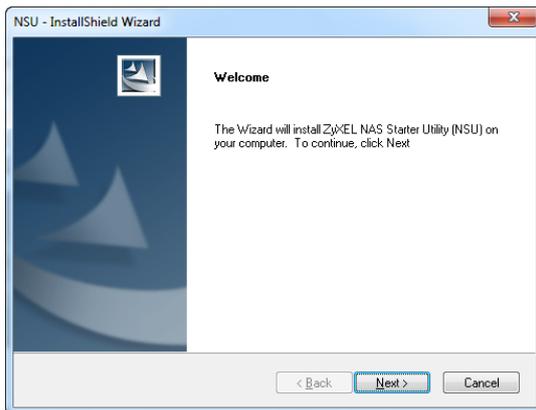


Figure 1. Click “Next”

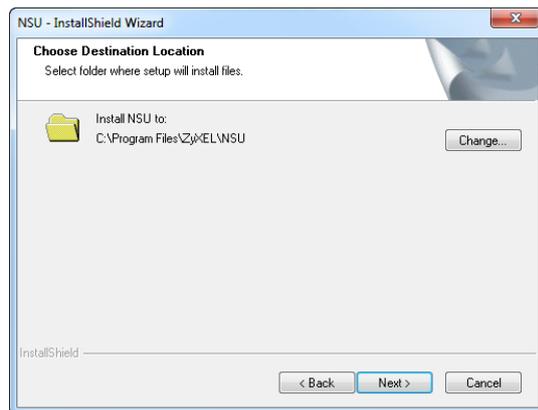


Figure 2. Select a folder to install the utility.

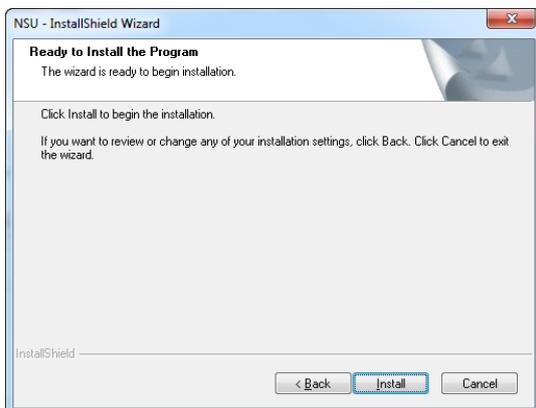


Figure 3. Click “Install”

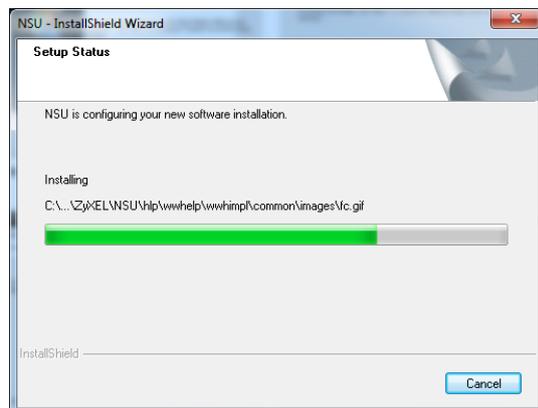


Figure 4. NSU Installation is processing.

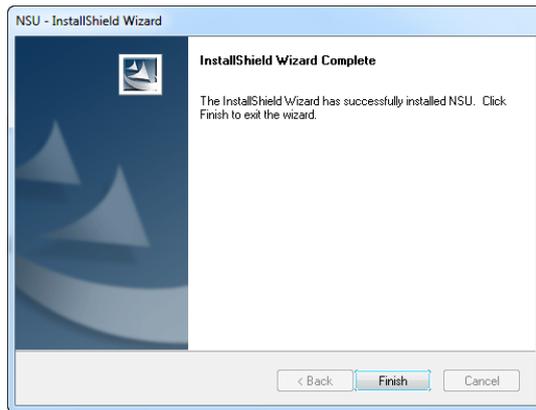


Figure 5. Installation is finished.

1.2 NSA325 Initialization

After successful installation, click the “NAS Starter Utility”. The first screen of NSU is trying to discovery for NSA devices. Click the “NAS Seeker”, you can choose devices which do you want to connect.

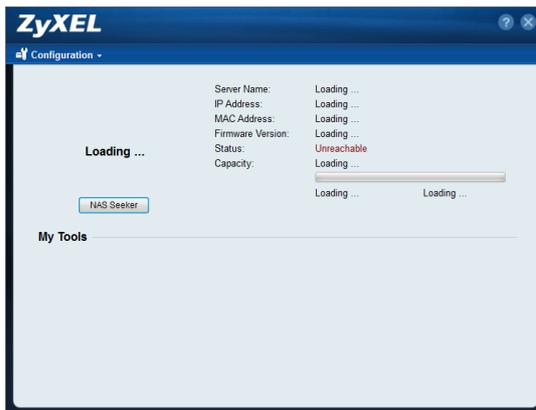


Figure 6. NAS Discovery.

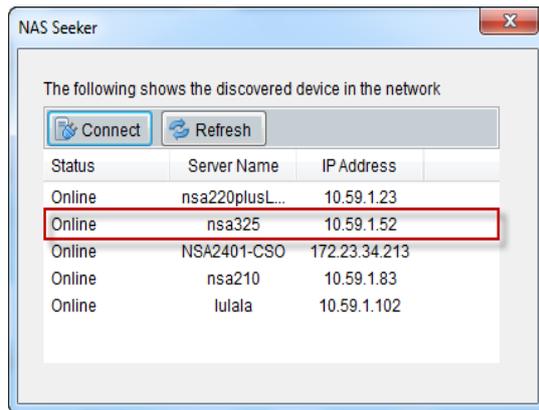


Figure 7. NAS Seeker

Then click **Run the Initialization Wizard** to set up the NAS325, and enter the username and password to start the initialization. The default username is **admin** and the password is **1234**. These two words are case sensitive.



Figure 8. Run Initialization

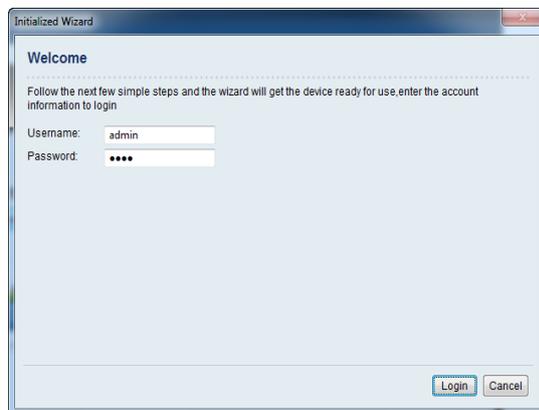


Figure 9. Enter username and password.

Choose **Default Configuration** or **Manual Configuration** and then click **Next**. Here, we recommend users use **Default Configuration**. For security issue, we suggest users change the admin's password.

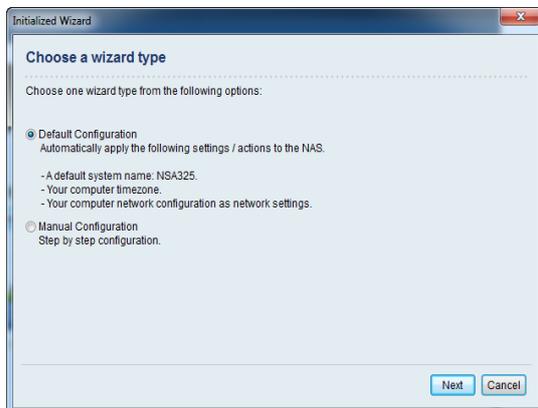


Figure 10. Choose a wizard type



Figure 11. Change the password.

Check if the settings are correct and click **Next** to begin configuring NSA325.

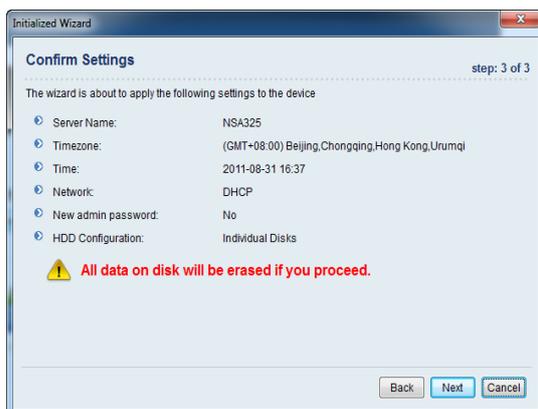


Figure 12. Confirm settings.

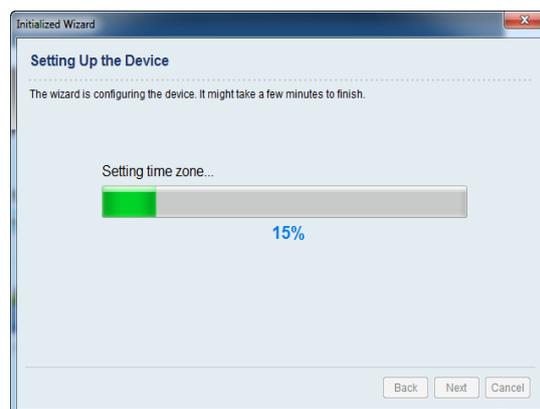


Figure 13. NAS is under setting.



Figure 13. Configuration is finished.

1.3 Network Setting

After successful initialization, go back to the NSU main menu and click **Configuration > System Setting** to start configuring. You can assign a new hostname of this NSA325, set TimeZone, PPPoE connection information and configure an IP for NSA325.



Figure 14. NSU main menu.

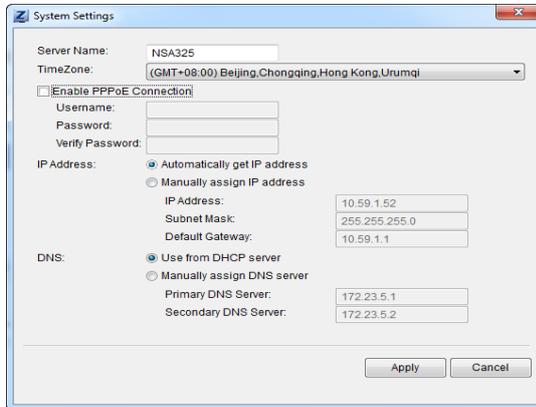


Figure 15. Configure an IP for NSA325.

1.4 zPilot

Click **zPilot** to launch zPilot. When you would like to upload files to NSA325, just drag files onto zPilot icon. The files will be automatically uploaded and sorted based on their types: Music, Photo and Video. The files which are not the categorized in Music, Photo or Video will be uploaded to the Public folder.



Figure 16. NSU main menu.



Figure 17. Enter the username and password to login.



Figure 18. zPilot icon

When users double click on the zPilot icon, the detail status of zPilot will be shown as follows. Click **Clean Completed** to clear finished tasks.

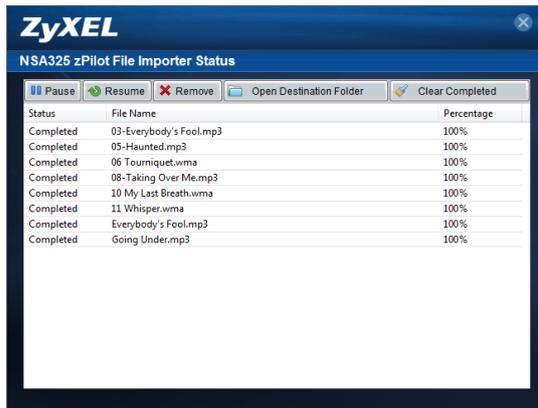


Figure 19. The zPilot is transferring files to NSA325.

1.5 Directory

Click **Network Drive** and enter your username and password. Then the directory of NSA325 will pop up. You will see the files you uploaded through zPilot are automatically categorized by their types.



Figure 20. NSU main menu.

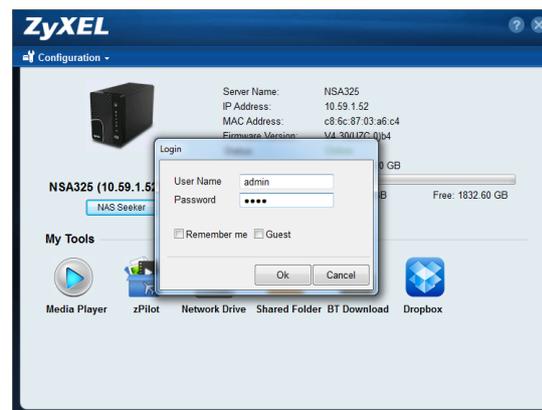


Figure 21. Enter the username and password to login.

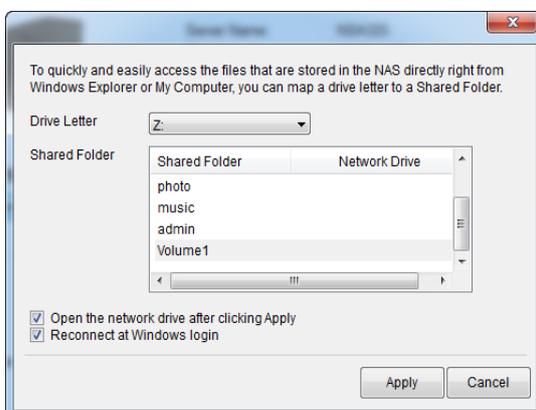


Figure 22. Select NAS folder for directly on PC

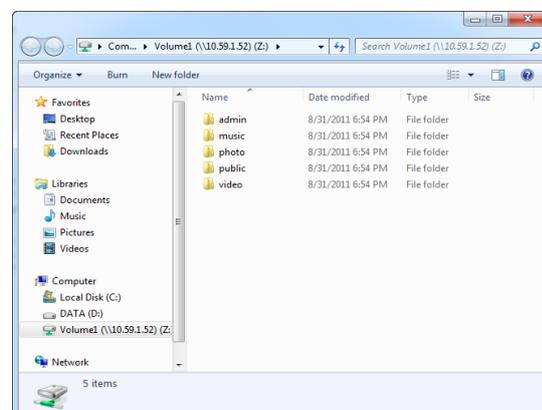


Figure 23. Directory of NSA325.



Figure 24. Use Guest to login.

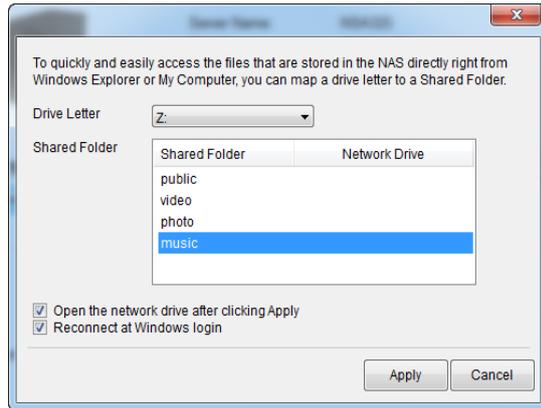


Figure 25. You are able to select that NSA has shared public folder for directly on PC.

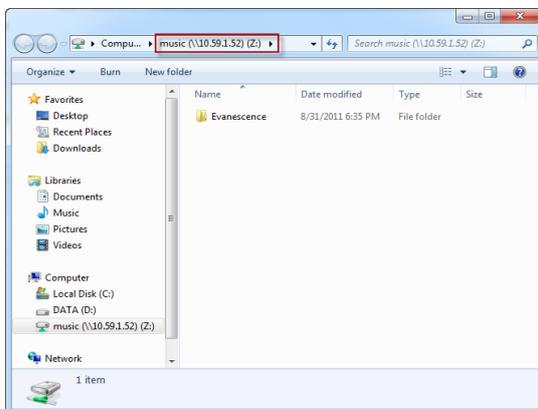


Figure 26. Directory of NSA325.

1.6 Device Management

Click **Configuration > Administrator** and enter admin's username and password to access NSA325's GUI. Then the administrator can manage the device and change the configurations.



Figure 27. NSU main menu.



Figure 28. Enter admin's username and password to login GUI.

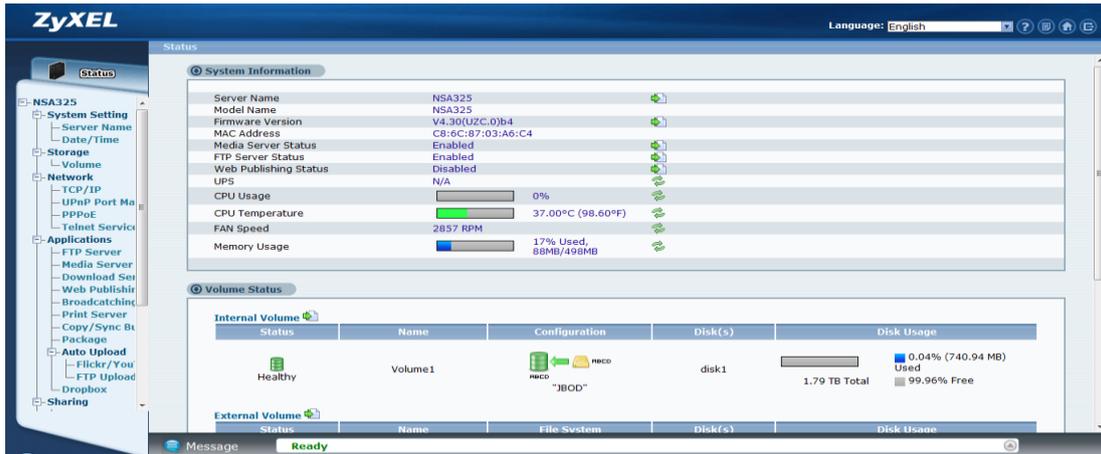


Figure 29. NSA325's GUI

1.7 Media Player

Click **Media Player** to enjoy the music, video, and photos through the web browser.



Figure 30. NSU main menu.



Figure 31. Enter the username and password. The username can be admin or other regular users.

The Home screen displays. You can click on the icon to listen to the music, watch the movies or enjoy the photos stored in the NSA325.



Figure 32. NSA325 Home Screen.

You can select one category in the list to play the music.

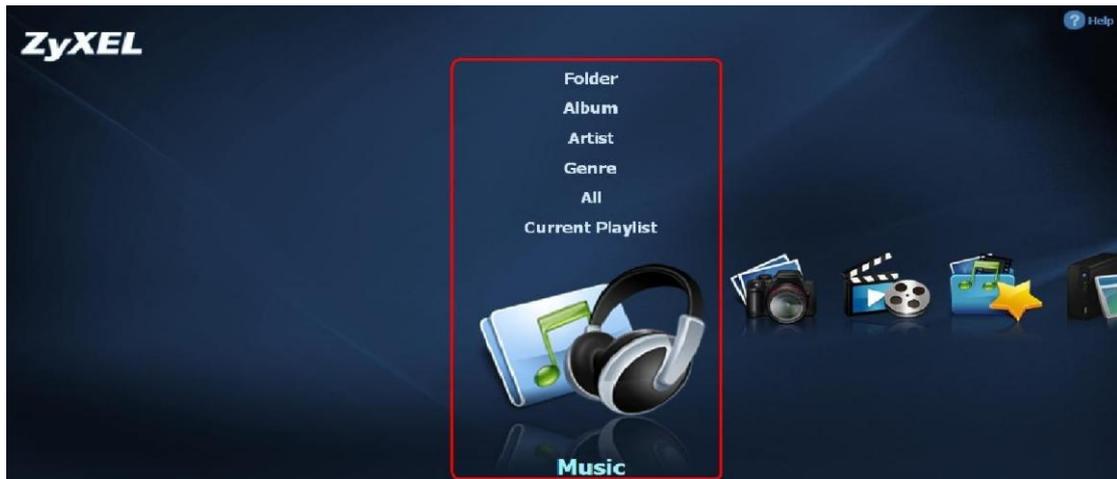


Figure 33. Play the music by selecting the category.

Just click on the song to start playing the music.



Figure 34. Music Folder.



Figure 35. Music Files.

If you find that the media files can't display correctly, please check the status in Applications > Media Server, or click "Rebuild Database". Usually, you will some time to see the photos displayed.

2. Auto Upload Service

ZyXEL NSA325 provides users to automatically upload their pictures to Flickr website (<http://www.Flickr.com>) and video files to You Tube website (<http://www.youtube.com>). Additionally, automatically FTP uploading is supported in NSA325. To use this feature, you need to download the same package as NSA210's.

2.1 Auto-upload pictures to Flickr

For sharing pictures in Flickr website (http://www.Flickr.com), NSA325 supports automatically uploading pictures in given folder in NSA325.

Configuration Procedure:

- Enable auto-upload in Flickr service.
- Configure the account Flickr account information.
- Link your NSA325 with your Flickr account.
- Specify the folders which you want NSA325 to automatically upload your pictures.
- Specify the grace period and other options in auto upload function.
- Move pictures to the folders you specify in previous step.
- Check the result in Flickr website.
- Check the system log in NSA325.

First, log into the web GUI page in NSA325, go to Auto Upload >Flickr/YouTube. Then, enable Flickr service as following figure. After enabling the Flickr service, you will see two more icons in the same page.

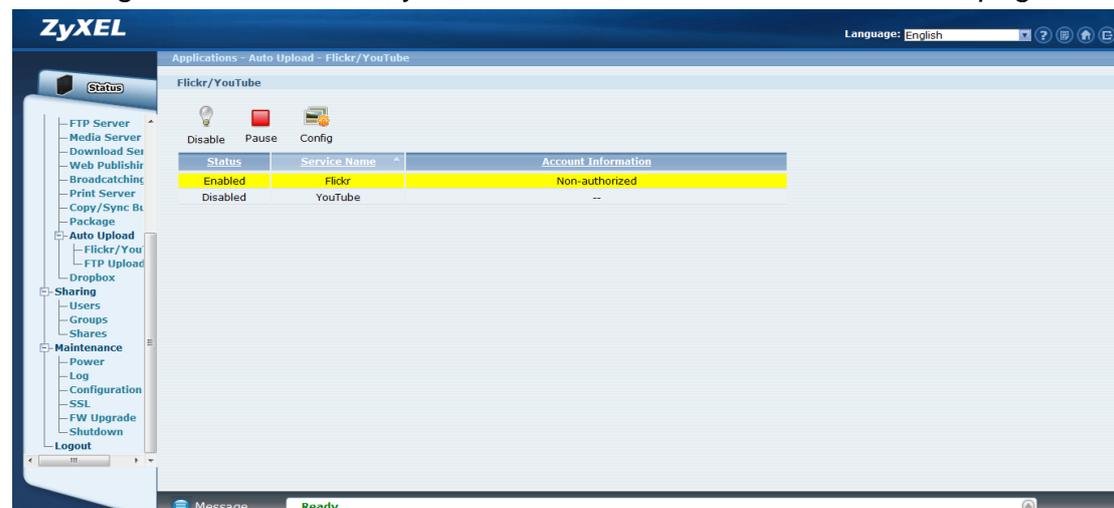


Figure 36. Enable Flickr service.

Press “config” icon to set more detail configuration. There will be several system notification to warn that you are going to link to Flickr website. In the meanwhile, please make sure you have Flickr account information.

After configuring the account information, system will warn you that the connection to Flickr.

In the following popup browser, you need to authorize the connection between your account and your NSA325.

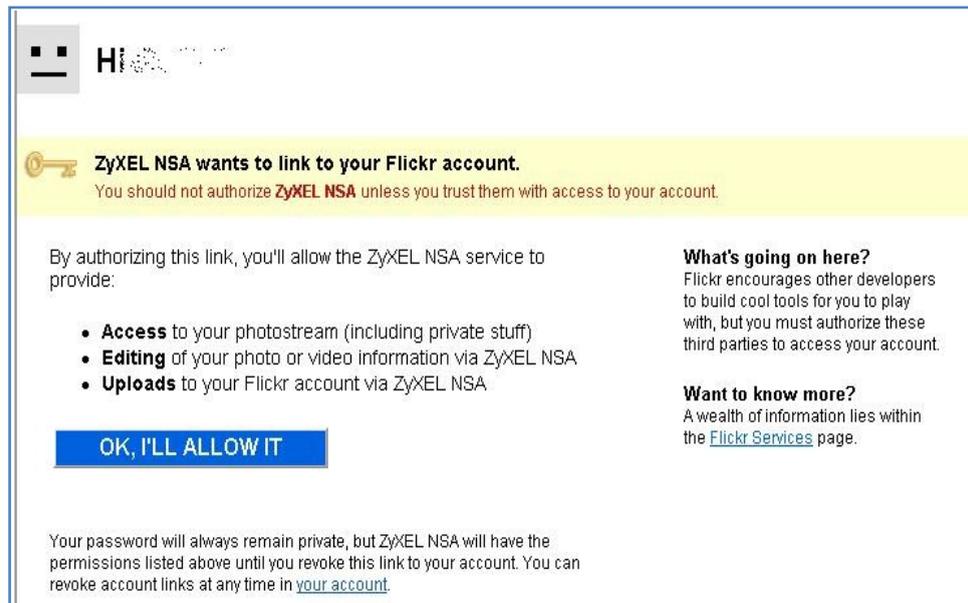


Figure 37. Authorization between your account and NSA325.

The following figure shows that you agree this link after press “OK” button.

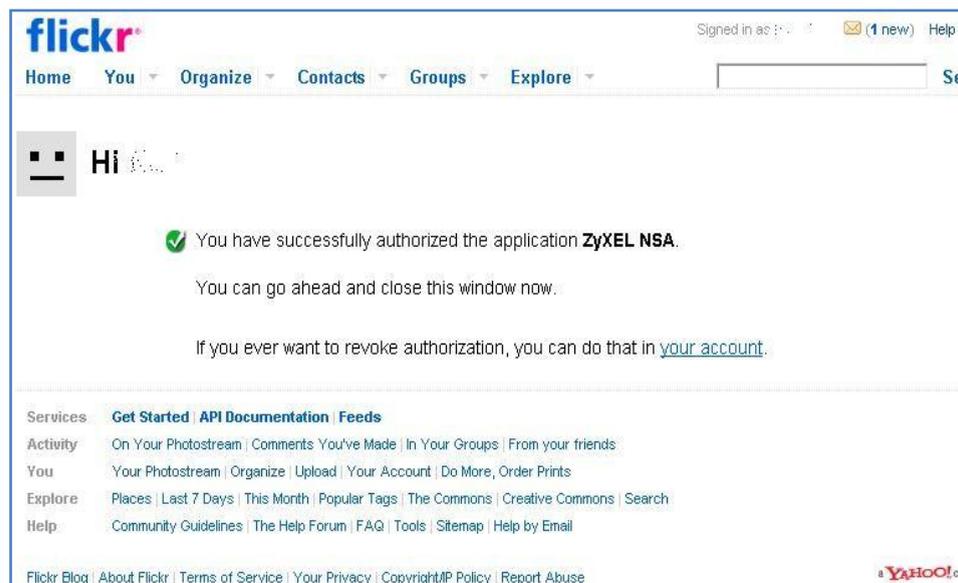


Figure 38. Successful Authorization.

After allowing the agreement in Flickr page, please also press the “Get ready” button in NSA325.

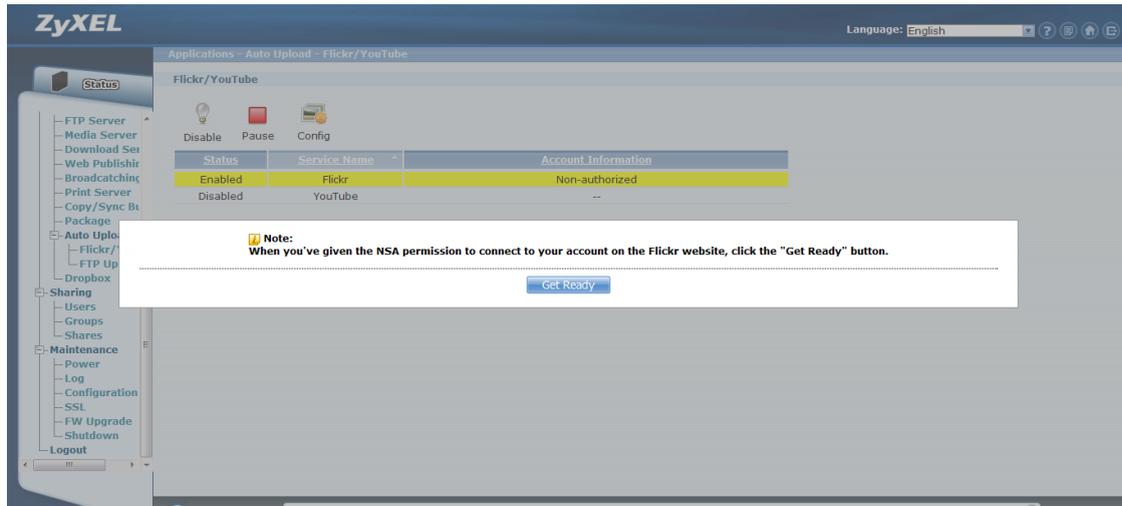


Figure 39. Press “Get Ready”.

You also can check the service status in NSA325 under Auto Upload > Flickr/YouTube. In this case, we can see the storage status in your Flickr account.

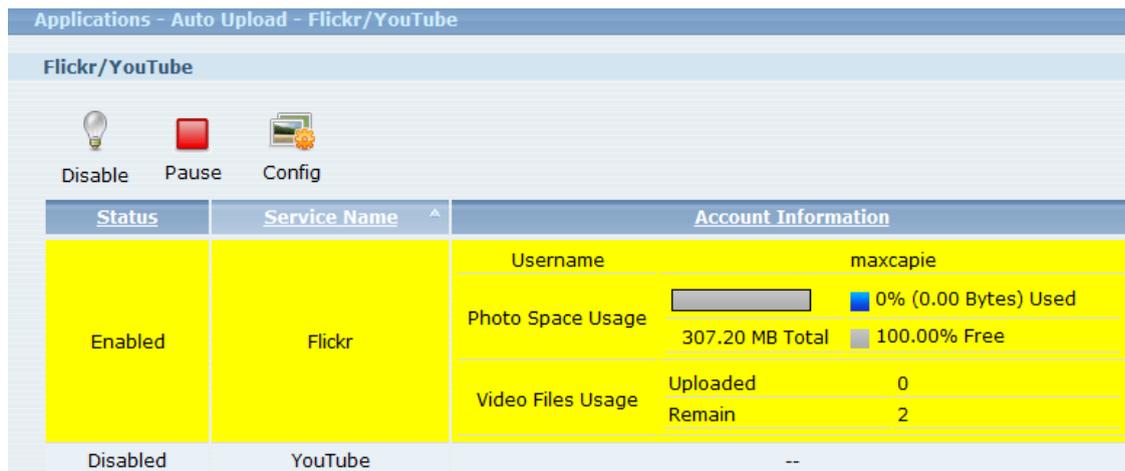


Figure 40. Monitor the service status.

Afterwards, users need to set which folder(s) in your NSA325 will be monitored and uploaded to Flickr website. In this example, we are going to set folder named as “” under public folder to be monitored and uploaded all the pictures to Flickr website.

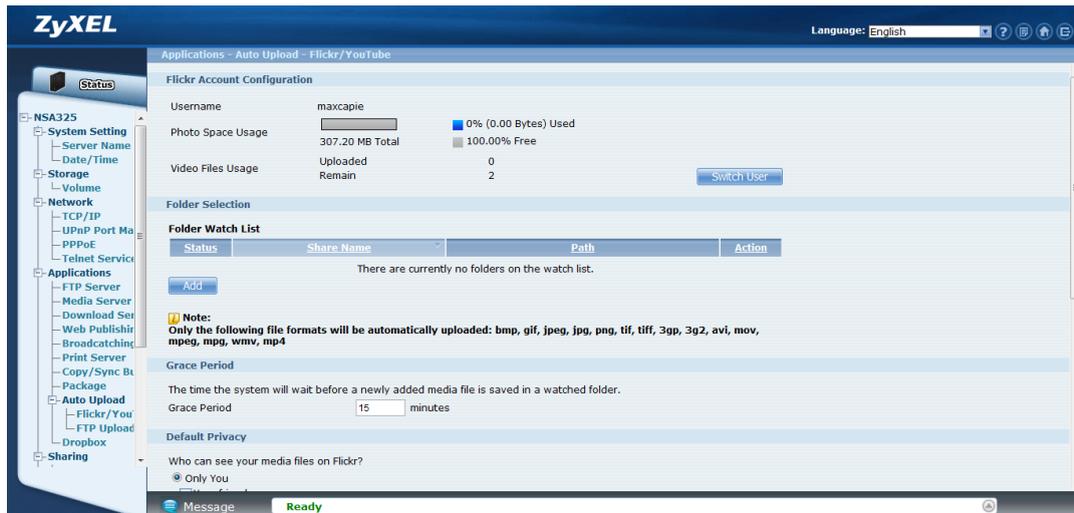


Figure 41. Configure "Grace Period" in the GUI.

In this example, we configure the grace period as two minutes. This means that NSA325 will upload any new added pictures in the folder you specify after 15 minutes since you press apply button.



Figure 42. Configure "Grace Period" in the GUI.

Please specify the given folder that NSA325 will watch and upload the pictures after applying configuration.

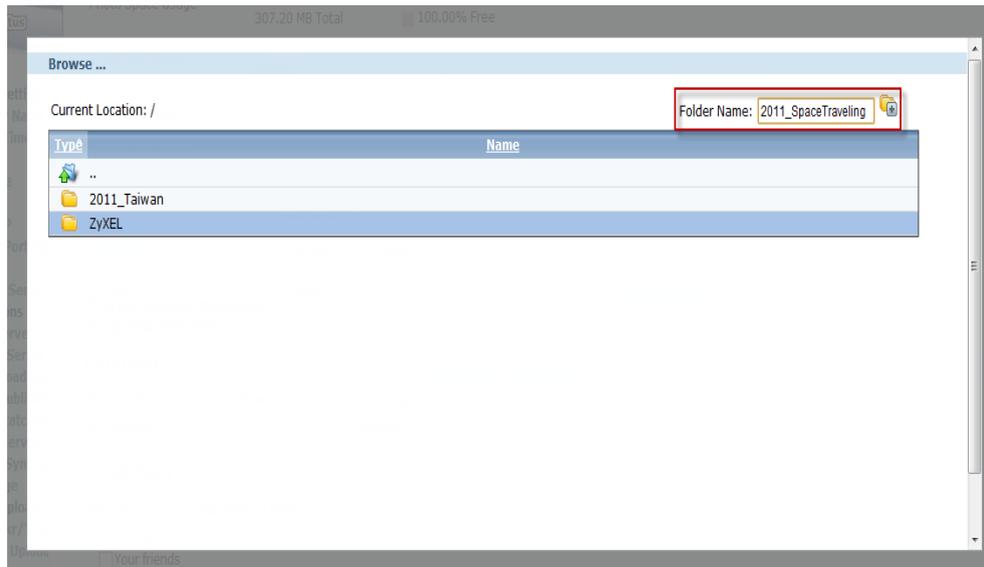


Figure 43. Specify the folder.

Please remember to press “APPLY” button after specifying the given folder. NSA325 will monitor any need added pictures in the folder you assigned after you press apply button.

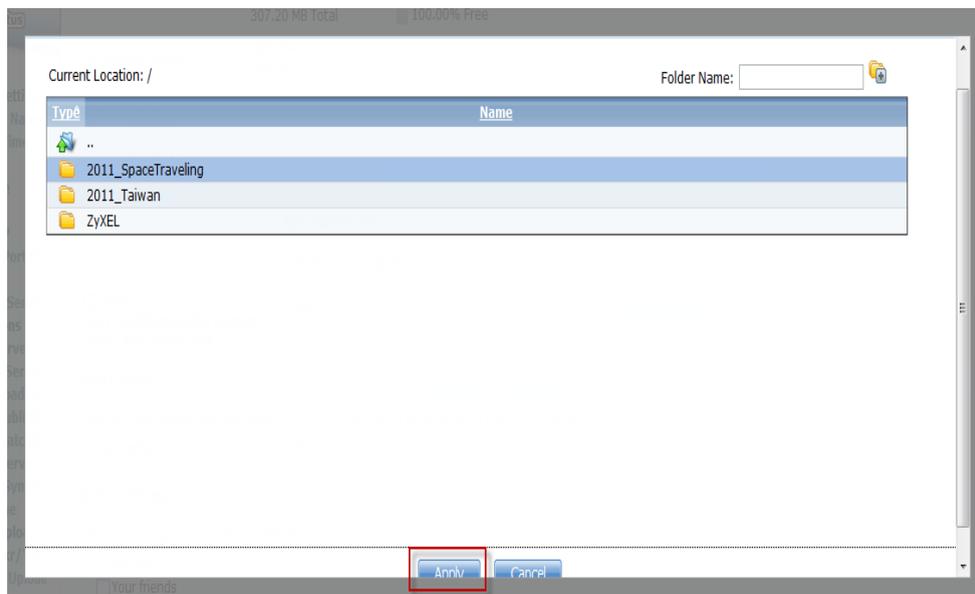


Figure 44. Press “Apply” after specifying the folder.

After 15 minutes, NSA325 will upload new added photos to Flickr website. In this example, we can see one picture has been uploaded to Flickr website.

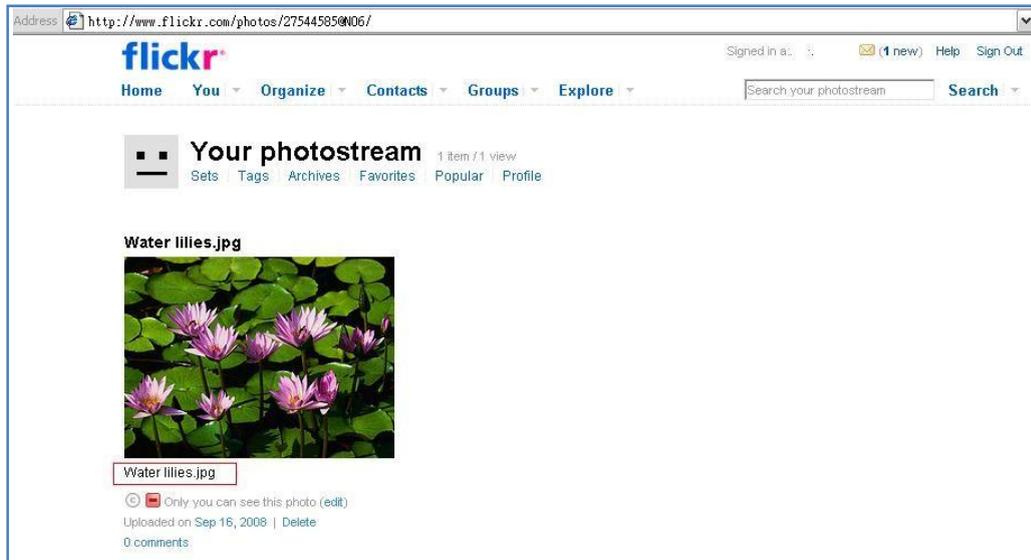


Figure 45. Uploaded photo.

3. Package Management

Package management is used to set up more useful applications in NSA325. This feature enables user to use the following applications: BackupPlanner, DyDNS, Gallery, NFS, PHP-MySQL-phpMyAdmin, SMART, SqueezeCenter, Wordpress and eMule.

Firstly, click **Applications > Package Management** to display the screen. Then the applications are listed as below.

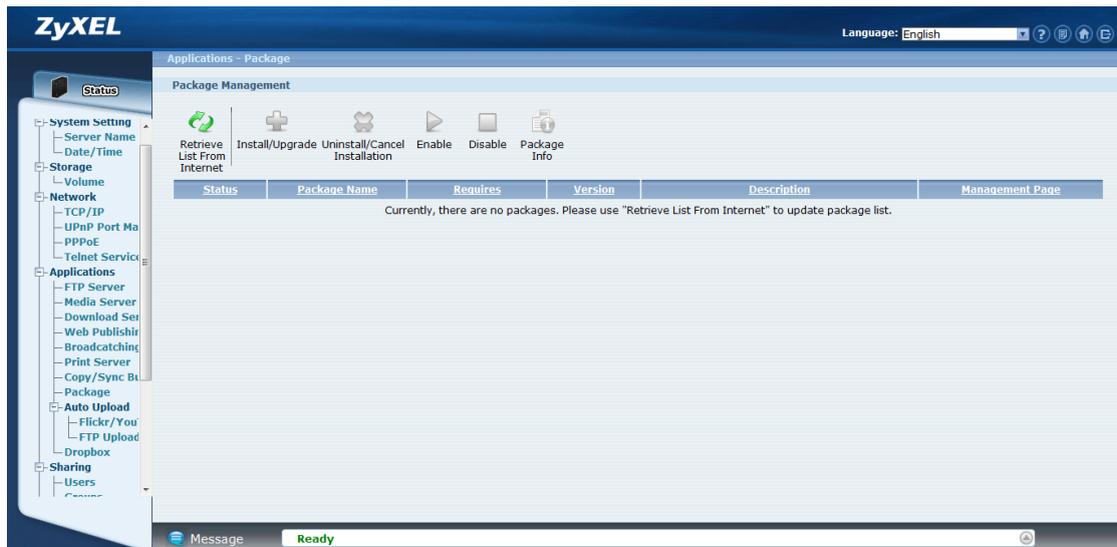


Figure 46.

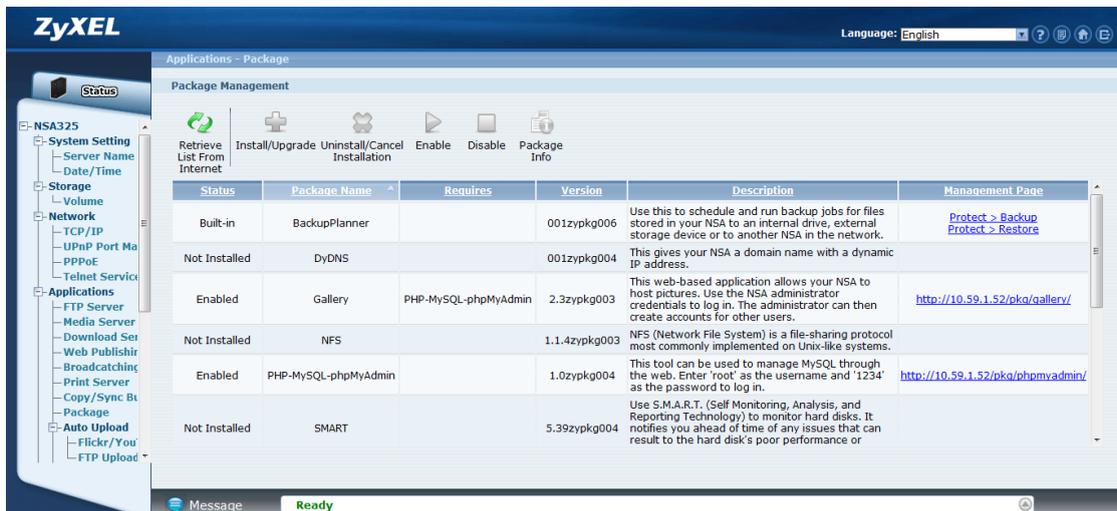


Figure 47. Applications > Package Management

After you finished install an application and enable it, additional links display in the navigation panel. For example, you can see BackupPlanner, Gallery, PHP-MySQL.

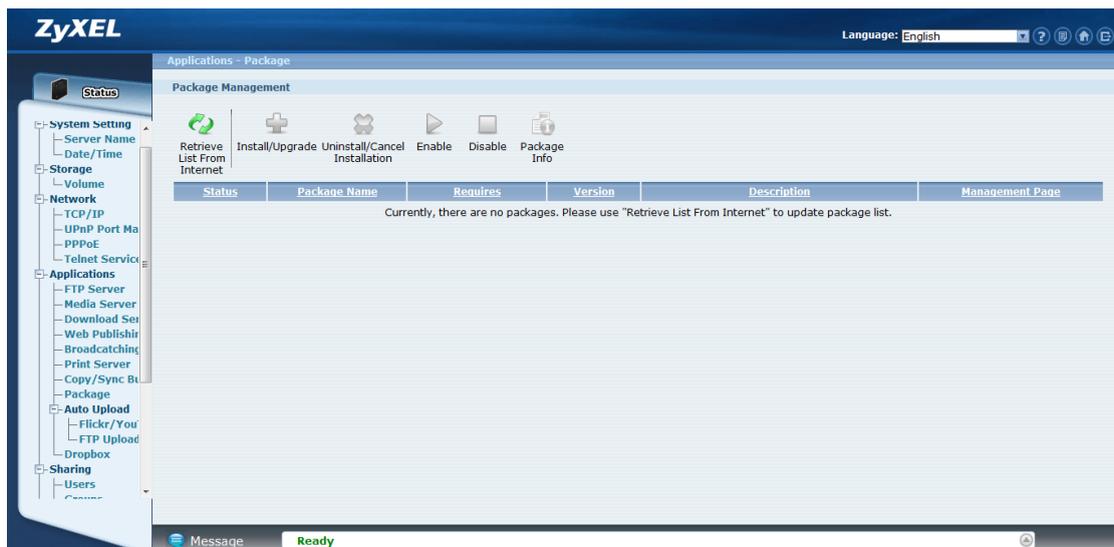


Figure 48. Original navigation panel before applications installed.

For Gallery, PHP-MySQL-phpMyAdmin, SqueezeCenter and Wordpress, you can access the applications' web configurators through the Package Management screen or enter the IP address shown in the GUI in your web browser.

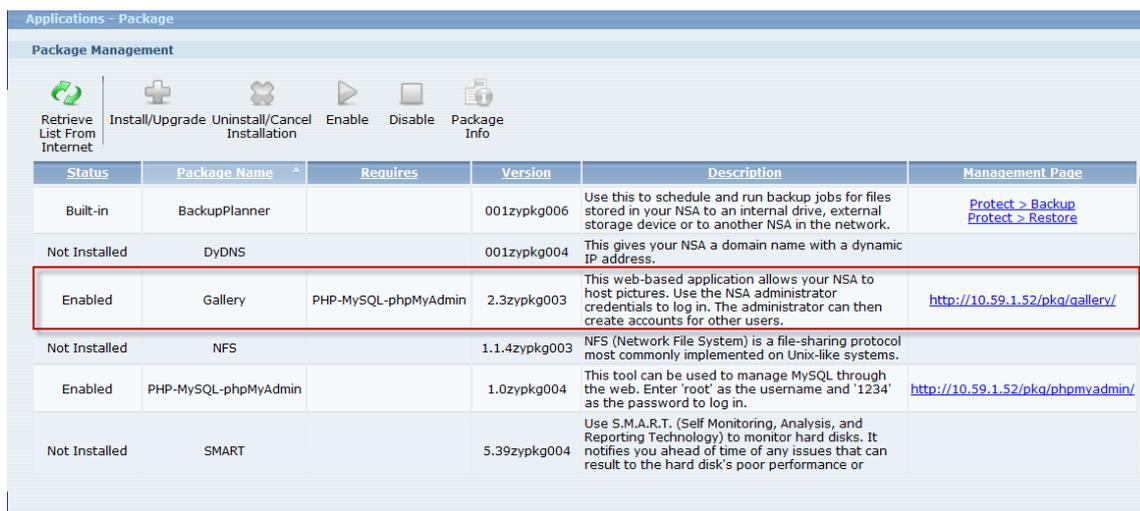


Figure 49. Applications' link.

3.1 Gallery

Gallery is a web-based application that allows NSA325 to host photos. You can upload photos in the local computers or stored in NSA325. Use the administrator account of NSA325 to log in to the Gallery GUI.

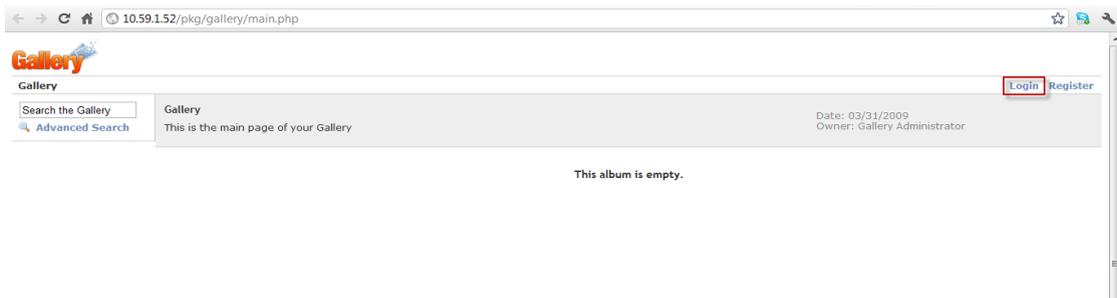


Figure 50. Enter Gallery GUI.

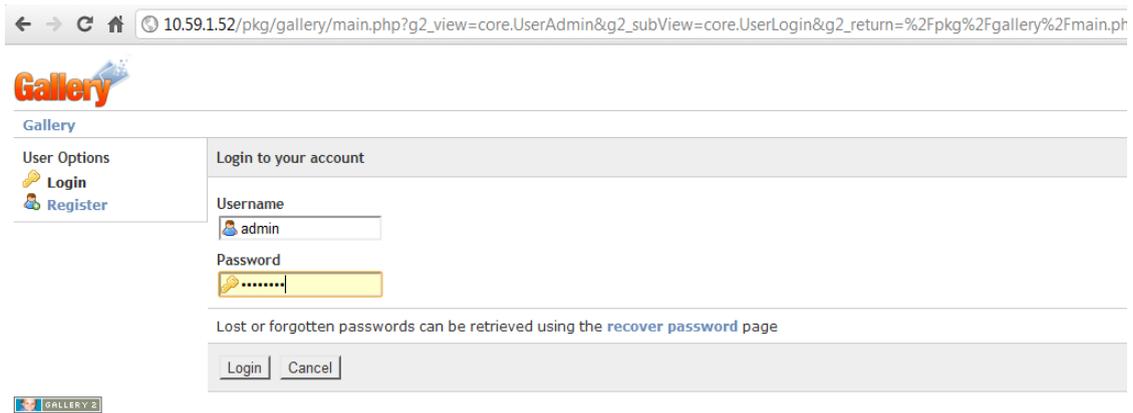


Figure 51. Use Admin account to log in.

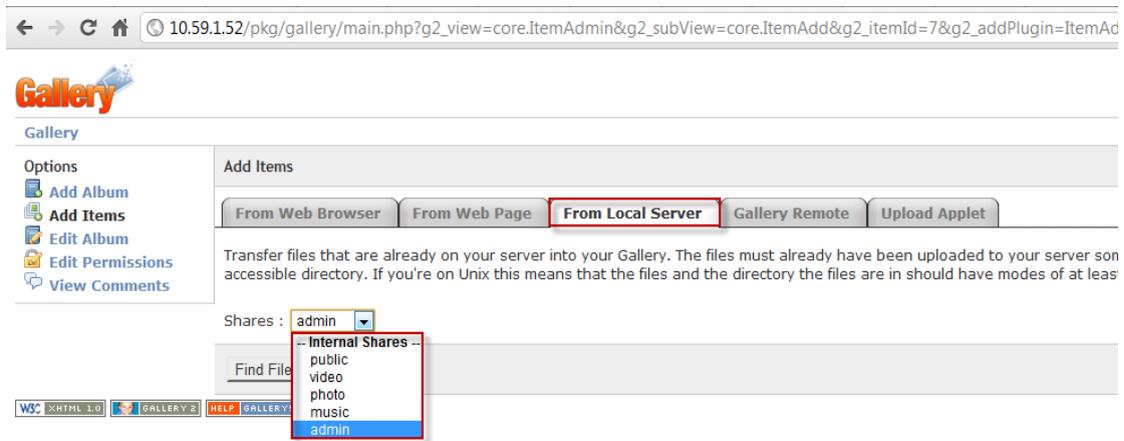


Figure 52. Upload photos from NSA325.

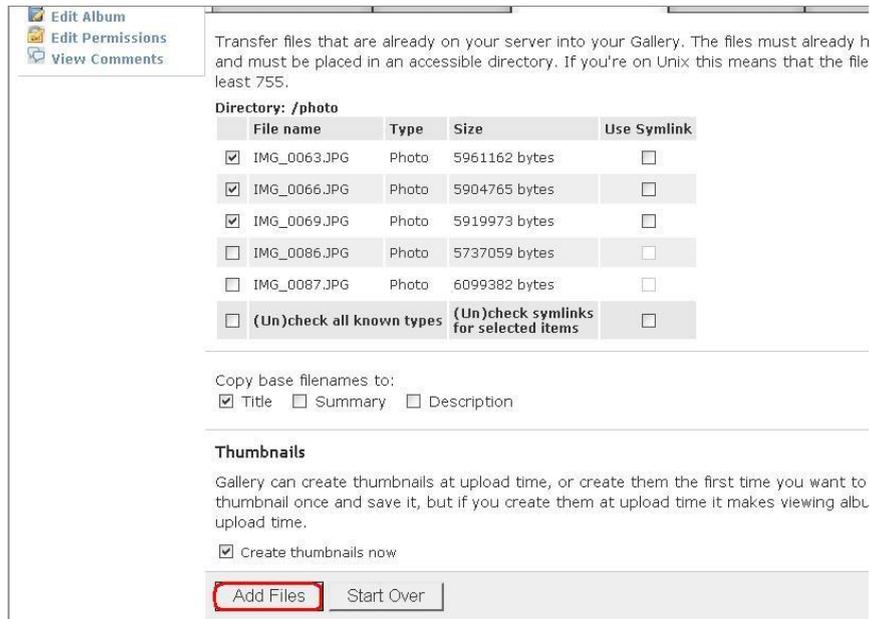


Figure 53. Add selected files.

Then you can view the uploaded photos and edit photos in the screen.

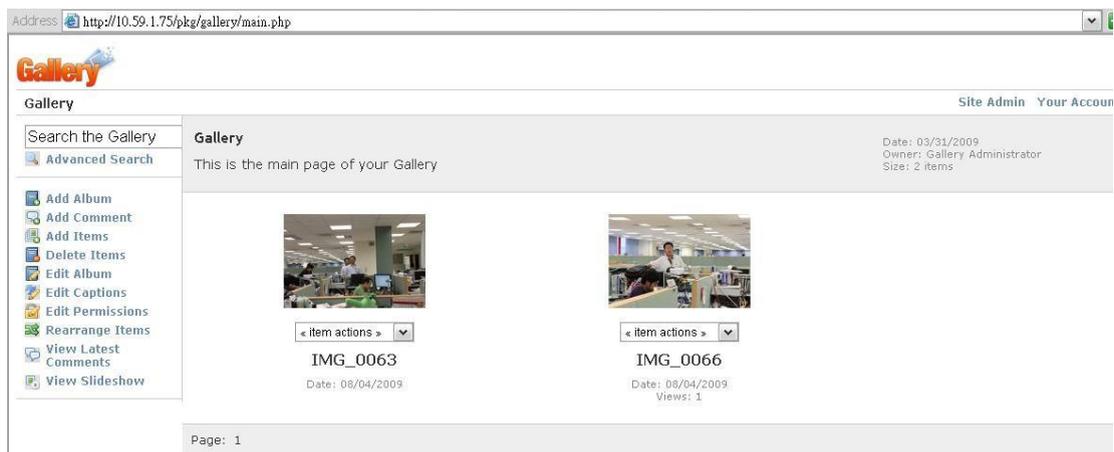


Figure 54. Uploaded photos.

4. Dropbox

Dropbox has provided files backup service. You create account for Dropbox (<https://www.dropbox.com>), it's will give you 2G cyberspace for files backup. The NSA325 will automatic to get files from Dropbox server.

Configuration Procedure:

- Enter Username and password
- Enable Dropbox service.
- Configure the account Dropbox account information.
- Link your NSA325 with your Dropbox account.

First, on NSU main page and log into the Dropbox service for NSA325, go to Applications > Dropbox. Then, enable Dropbox service.



Figure 55 NSU main menu.



Figure 56. Enter the username and password.

After you enable Dropbox service, the browser is going to link to Dropbox website. In the meanwhile, please make sure you have Dropbox account information. After configuring the account information, system will warn you that the connection to Dropbox. In the following popup browser, you need to authorize the connection between your account and your NSA325.

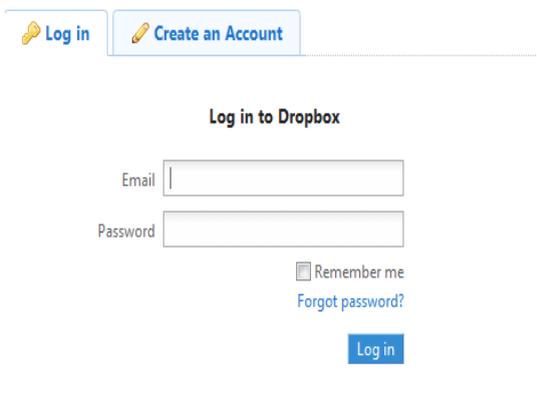


Figure 57. Log into Dropbox.



Figure 58. Authorization between your account and NSA325

After allowing the agreement in Dropbox page, please also press the “Get ready” button in NSA325.

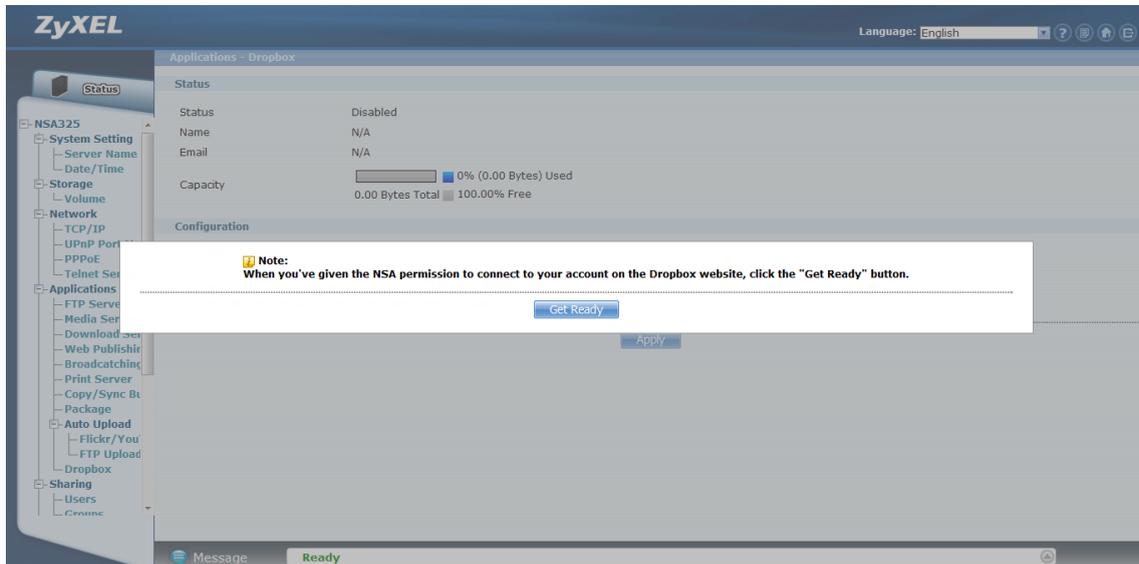


Figure 59. Press “Get Ready”.

You can check the service status in NSA325 under Applications > Dropbox. In this case, we can see the storage status in your Dropbox account.

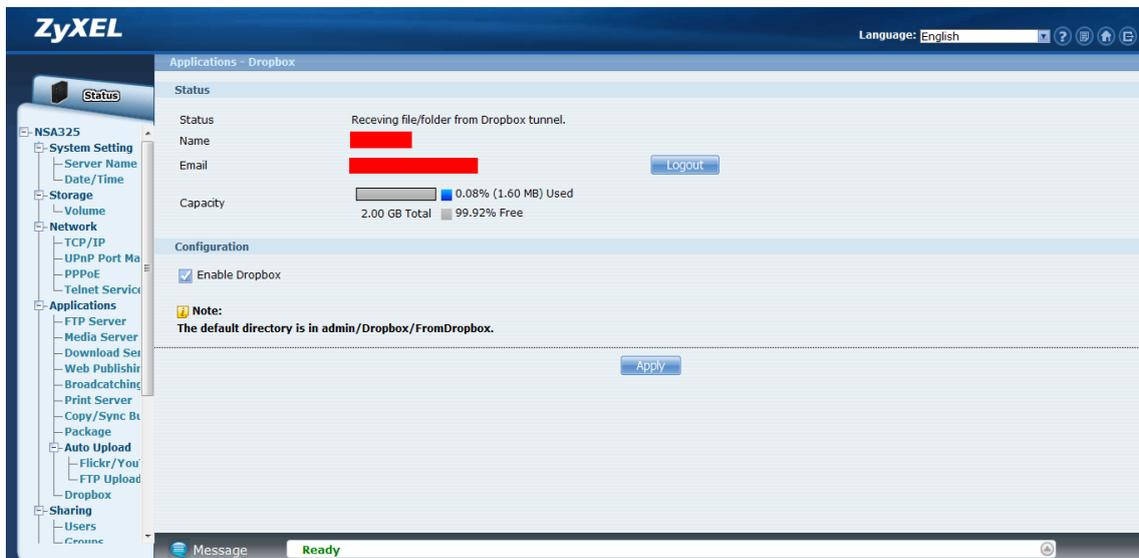


Figure 60. Monitor the service status.

The NSA connects to Dropbox and copies files in the Drop2NAS folder to the NSA's admin\Dropbox\FromDropbox folder and empties the Drop2NAS folder. The NSA initiates connections to the Dropbox server so you do not need to configure rules on a firewall in front of the NSA to allow access to the NSA. When your PC has installed the Dropbox, you can upload files to Drop2NAS folder, then NSA will get files from Dropbox server.

Note: Do not delete the NAS token file as it is needed for your NSA to work with the Dropbox Account.

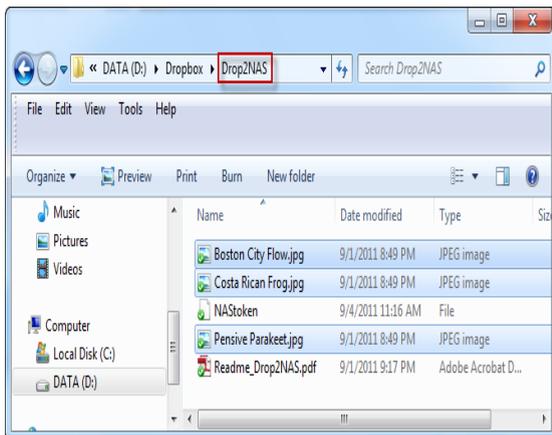


Figure 61. Upload files to folder.

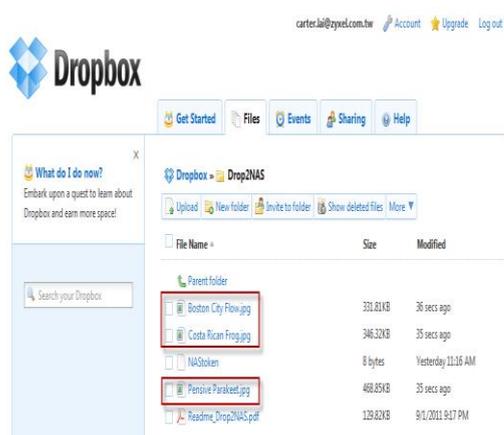


Figure 62. Check files from website.

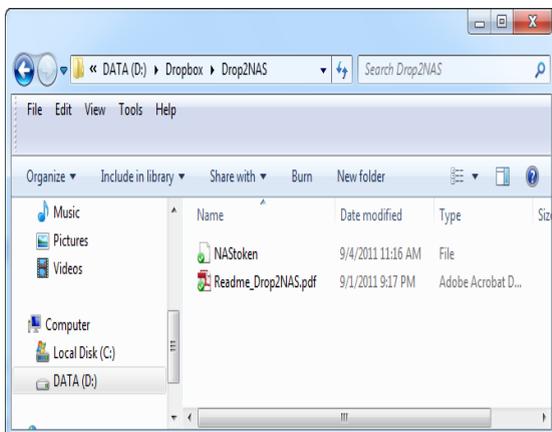


Figure 63. NSA get files from Dropbox server.

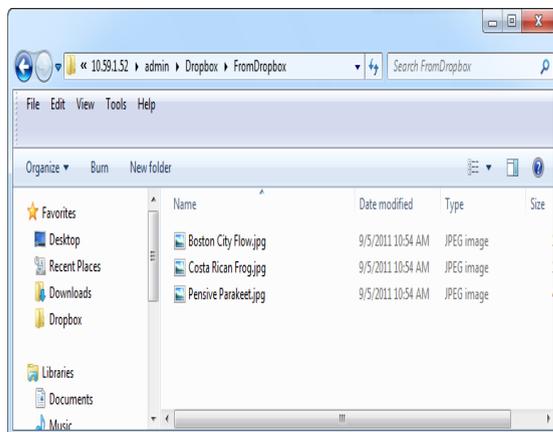


Figure 64. Check files on NSA.

4.1 Using the zDownload Folder

The NSA copies *.torrent files in the zDownload folder to the NSA's admin\download\torrents folder and automatically starts download them.

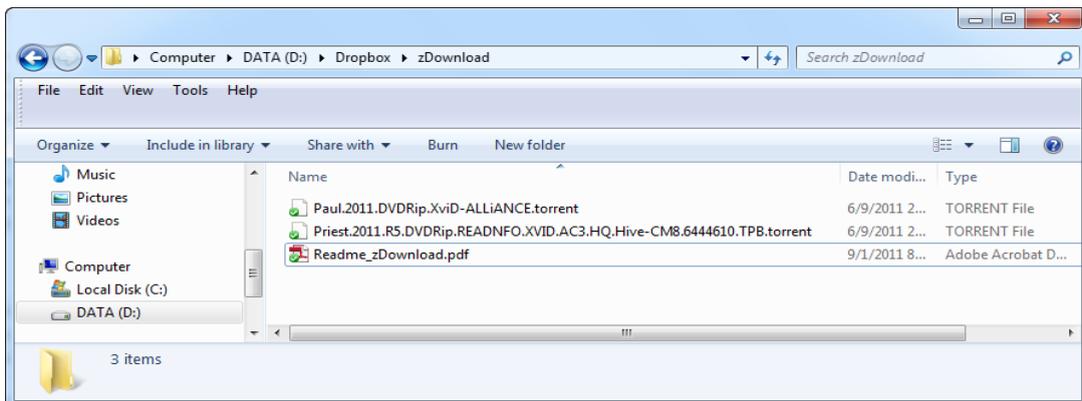


Figure 65. Upload torrent files to zDownload folder.



Figure 66. NSA get files and download automatically.

5.Smartphone APP

Use ZyXEL's zMedia app to play files and manage the NSA from iOS version 3 or later device or Android version 2.1 or later smartphone.

Install ZyXEL's zMedia app from the Apple App Store, Android Market, or www.zyxel.com to play files and manage the NSA from your iOS device or Android smartphone.

Log into zMedia

1.Tap the zMedia icon to open the app and automatically search for NSAs on your network.



Figure 67. zMedia App Icon

2.Select an NSA if you have more than one.

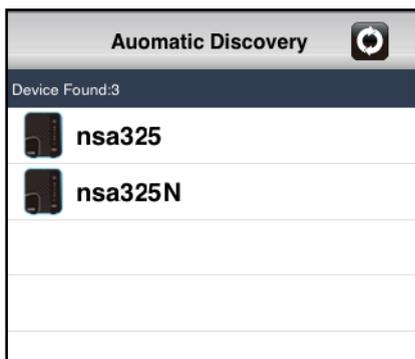


Figure 68 zMedia Automatic Discovery

3 Use the admin user name and password to log in.

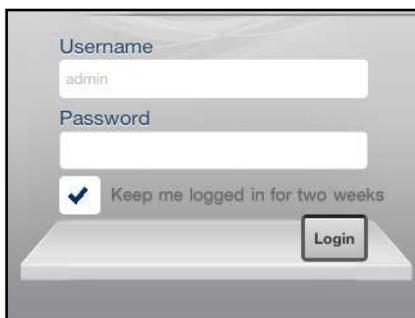
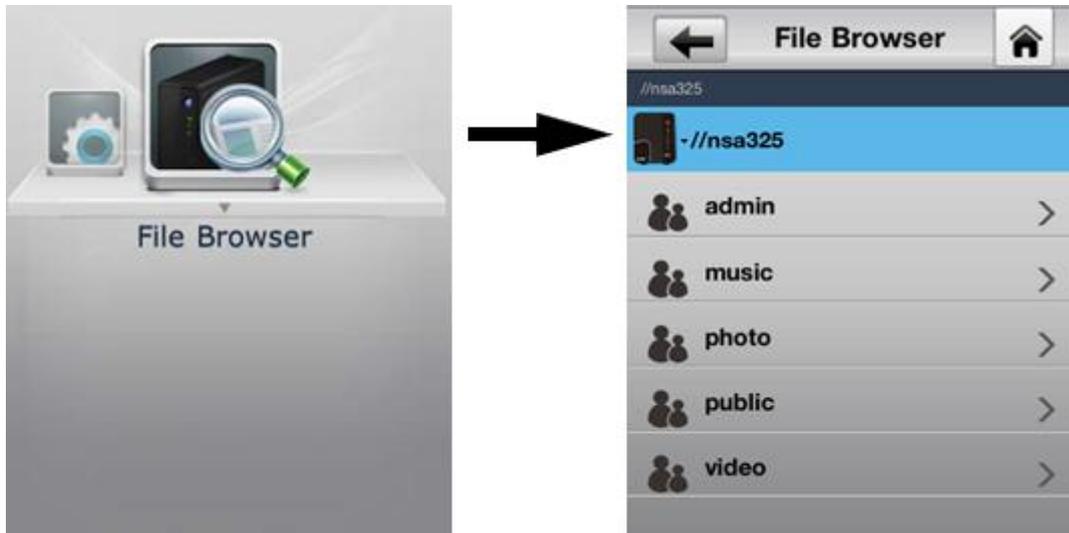


Figure 69. zMedia Login

5.1 File Browser

Tap **File Browser** to look through and play files on the NSA.

Figure 70. zMedia File Browser



Tap a share to view its contents.



Network

IPv6

The NSA325 has support IPv6 (Internet Protocol version 6), is designed to increase IP address space and enhance features. You can click **Network > TCP/IP** for further configuration.

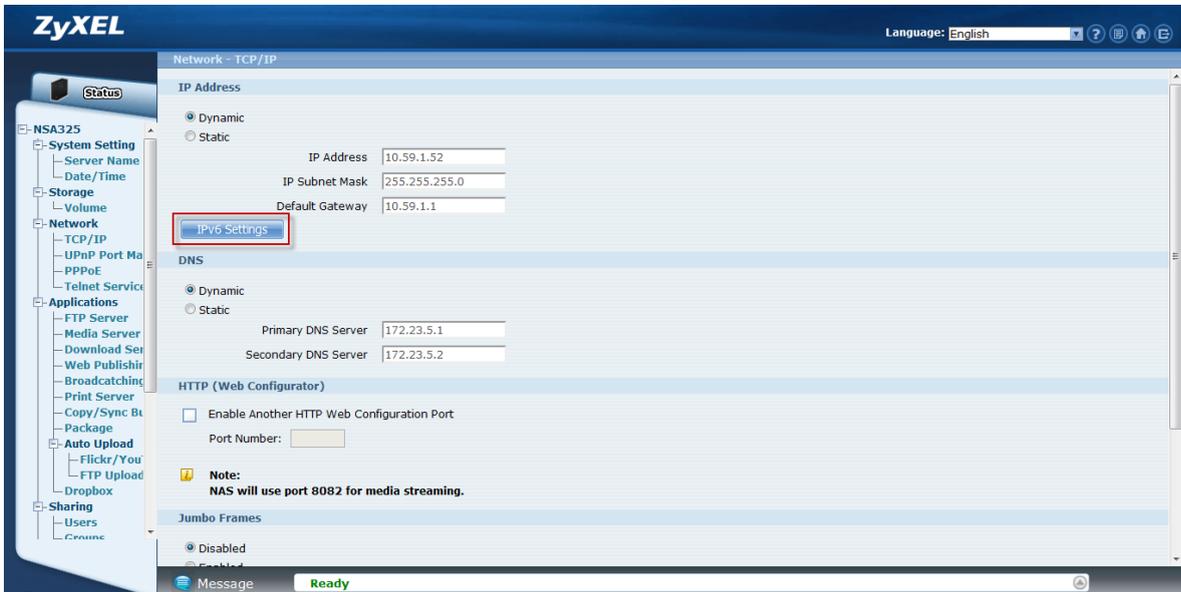


Figure 71. Press IPv6 Settings

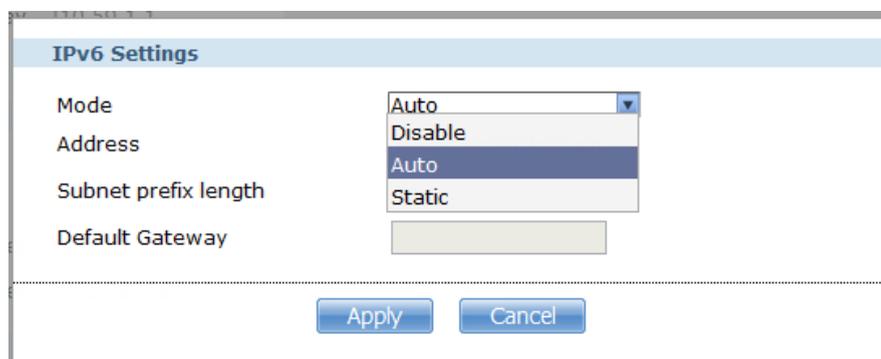


Figure 72. You can select Disable / Auto / Static



Figure 73. Auto will get IPv6 IP address automatically

1. What is RAID?

RAID stands for **R**edundant **A**rray of **I**nexpensive **D**isks. It takes two or more hard disks to achieve greater levels of performance, reliability and/or larger volume of data size.

2. What kind of RAID is supported in NSA325?

NSA325 supports Raid 1, JBOD, or RAID0.

3. What is the file system supported in NSA325?

Internal file system: XFS (or EXT4).

External file system: FAT32, FAT16, EXT2, EXT3 and Reiser FS.

4. Which kind of the multimedia server does NSA325 support?

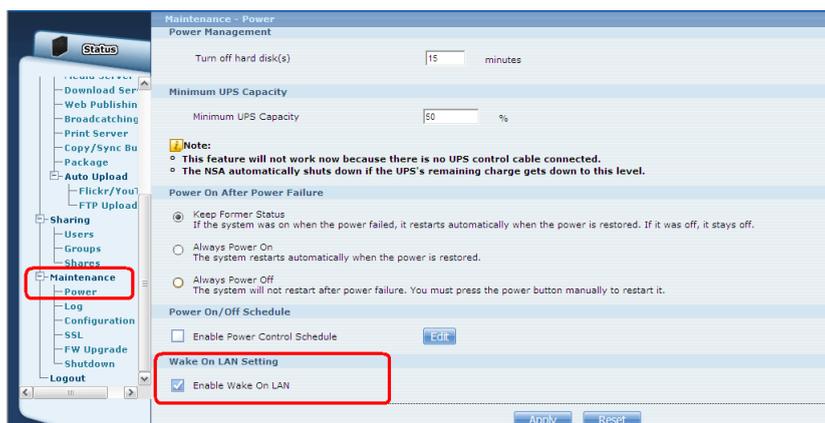
NSA325 supports Squeeze Center, DLNA server, UPnP AV Server, iTunes Server.

5. Does NSA325 support DLNA media server?

Yes. NSA325 supports DLNA 1.5 compliant media server.

6. What is the feature “Wake On LAN”?

You can turn on the NSA325 through its wired Ethernet connection after enabling Wake On LAN. To use Wake On LAN from a computer on your LAN, install a program such as Wake On LAN EX or other Wake On LAN programs that support sending magic packets. You can also use Wake On LAN from a remote location if the router in front of the NSA325 supports sending magic packets.



7. Which kinds of video file format are supported by NSA325?

NSA325 supports the following video formats: MPEG-1/MPEG-2, MPEG-4, AVI, DivX, Motion JPEG, Quick Time Video, RealMedia, Ogg, Matroska, ASF, Windows Media Video and ISO. Subtitle is also supported by NSA325.

8. Which kinds of audio file format are supported by NSA325?

NSA325 supports the following audio formats: MP3, Ogg Vorbis, RealMedia, WAVE, Windows Media Audio, Matroska, Monkeys Audio, MP1, MP4, PCM, LPCM, DTS, AC3, Free Lossless Audio Codec, Au, AAC, 3GPP, AIFF, RIFF-based MIDI and Playlist.

9. Which kinds of image file format are supported by NSA325?

NSA325 supports bitmap, JPEG and PNG.

10. Which kinds of web browsers are supported by NSA325?

NSA325 supports Internet Explorer 6.0 and later versions, and Firefox 2.00 and later versions. Currently, NSA325 cannot support Safari now.