USB2.0 NAS Dongle User's Manual

1.0 Product overview
Thank you for purchasing USB2.0 NAS Dongle storage device. Now you can easily add USB2.0 Storage into your Network. Before using this device please read the Key Features below.

Key Features
- Support USB mass storage device.
- Support USB1.1/2.0 specification.
- Compatible with Windows 2000/XP/VISTA, Mac 10.5.4 above.
- Support DHCP server
- Under network environment, it supports one 10/100Mbps Ethernet port.
- Support Samba server, by which the server hosts 64 clients on line
- Support Hardware Reset function by pressing the Power On/Off key for five seconds
- Support FTP server, 5 FTP users at the same time
- Password management provides secure access to HDD and web management

The NAS Dongle is a flexible, economical and powerful unit for your Network. Follow the instructions to help you connect, set it up, and configure it.

Network environment
There are 3 different setup conditions you can choose:

- Setup NAS Dongle as DHCP Client:
If your NAS Dongle operates under a built-in DHCP server router (ex. Internet Sharing Hub), it will obtain an IP from DHCP Server automatically.

- Setup NAS Dongle as DHCP Server:
If your operating environment does not support DHCP server, NAS Dongle will immediately act as DHCP server and assign an IP for installation.

- In Static IP environment:
You need first configure the IP for NAS Dongle to operate in the static IP environment. For Configuring details, please refer to "IP Config" setup page.
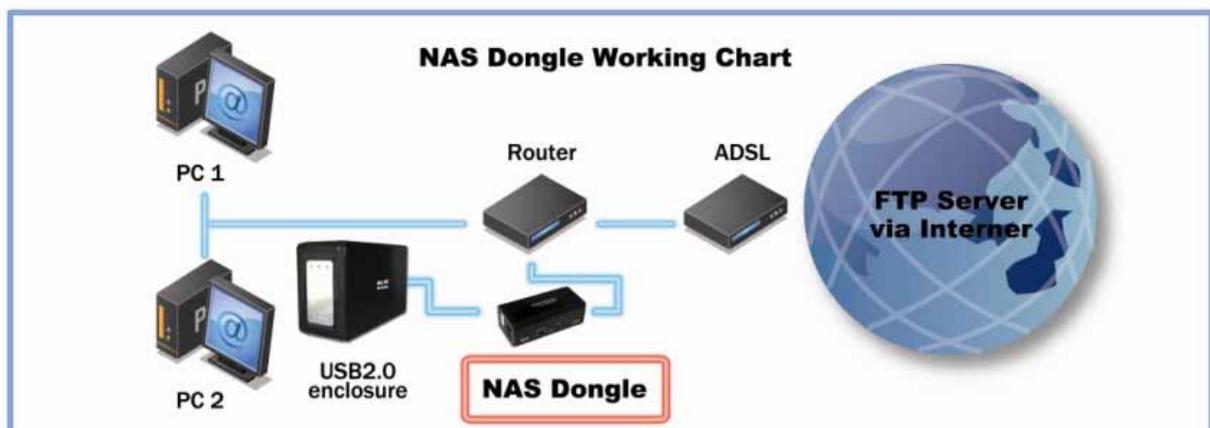
2.0 NAS Dongle Hardware installation

If you connect the NAS Dongle to your computer directly, make sure to obtain the IP address and DNS settings automatically, otherwise you may not be able to find the device.

1. Connect USB mass storage into USB port
2. Connect LAN cable via LAN switch and Router.
3. Connect 5V power adapter to power up.
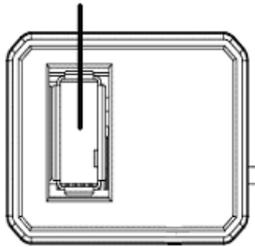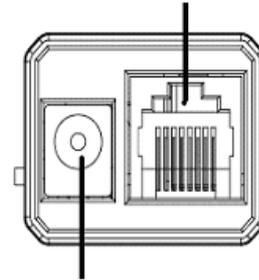
3.0 Search NAS Dongle by Utility

1. Browse the drive CD enclosed in the product package, copy and paste "**SDisk Utility**" in to your computer. Double click the icon to start search.

Note: "**SDisk utility**" was written by JAVA script, please make sure your computer has installed JAVA before, if not please install the JAVA scrip form the CD drive.

2. When NAS Dongle has been found, click "**Connect**" to enter configurations.

3.1 Search NAS Dongle by using Internet explorer.

1. Open IE and type default host name **"storage"** in the search bar.

2. Default login is **"admin"** for both User name and password, click "**OK**" to enter configurations.
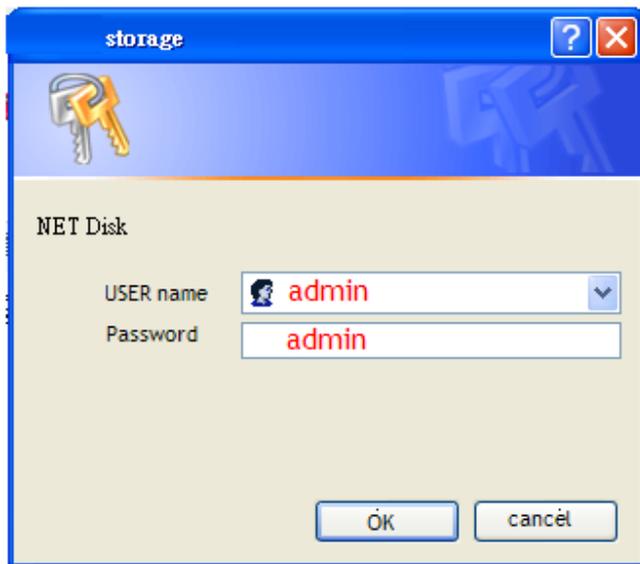
4.0 Status

Provide the basic information for NAS Dongle.

4.1 Identification

You can change and modify your host & group name, and password from this page. Click "**Apply**" to save the setting.

- Host name: This is used to identify your device on the network. If you prefer a different name, type in the new name and click "**Apply**" to save setting.

- Group Name: This should be same as your workgroup. In general, the default "**WORKGROUP**" will be OK. But if your workstation belongs to different workgroup, type in the correct group name to modify.

In Window O/S right click on "**My computer**" and choose "**Properties**", go to the computer name tab to see your current workgroup.

For Mac O/S to join windows workgroup, open the directory access utility (under Applications-> utilities). Select SMB and click configure to modify the settings (administrator access required to access this option.)

Note: we strongly suggest you to change the password as soon as you logged in, to prevent unauthorized access.

4.2 Date/ Time setting

You can change time setting form this page. Clicks apply to save the setting. By default SNTP is in network time service, your can select synchronize to PC. If internet access is available we recommended setting SNTP to Network time service instead.
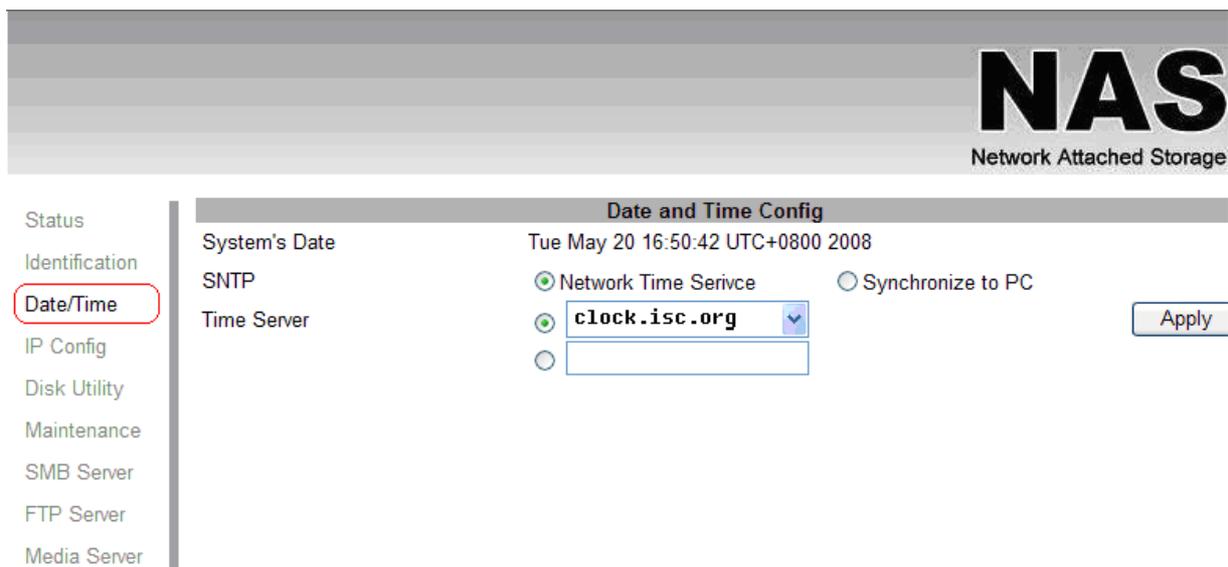
4.3 IP Configuration
By default, the "IP config" is set to "Automatic IP". This is the recommended setting and will allow the NAS Dongle to obtain it IP address automatically. If you prefer setting it manually, select the static IP option, enter your own value and click apply to confirm the new setting.

Setting it manually is useful when it often obtain a different IP address but you have a static IP address in order to mount the network drive or setup port forwarding as an example.

4.4 Disk Utility
In this page, you can manage the hard disk setting.

Format: For first time installation, you need to format hard disk into FAT 32 system file, this procedure applies to either new or used hard disk.

Sleep Time: This is to select time frame to setup hard disk sleeping mode.

Scan Disk: After the scan, it will show the number of file content and health status for the hard disk.
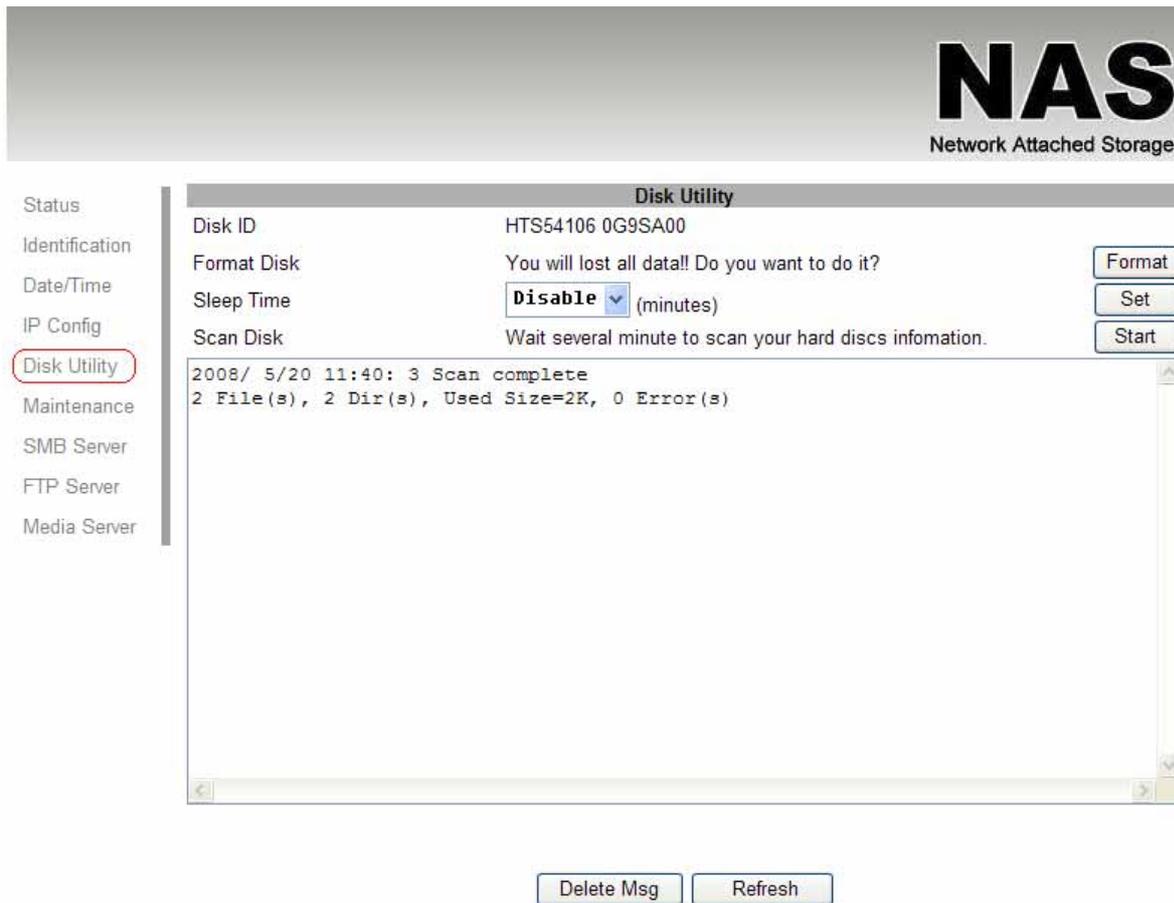
4.5 Maintenance
This page allow you to update NAS dongle firmware, go back to default setting or reboot NAS system.

Firmware update: Follow the steps below to update the loader and firmware for NAS Dongle.

1. Download the latest firmware form your vendor's website
2. Store the firmware file on your computer and decompress them if necessary
3. Browse your system and locate the firmware (BIN file)
4. Click on "upload"
5. Confirm the pop-up massage to start the update.
6. Wait and DO NOT click anywhere else or turn off the power! This might take a few minutes.
7. Once the update is done, it will prompt you to reboot the device.
8. Click on "reboot" to restart the device.
9. Wait for about one minute and then go to the status page to confirm the update was successful.

Factory defaults: if you experience problems and after a firmware update, it is recommended to reset all setting.

Note: Resetting the device will remove all folder form the sharing list, erase the FTP accounts, and reset all other settings! Please do not power off or disconnect NAS Dongle connection during the firmware update process.

System reboot: This can be used to restart the network drive after a firmware update.

5.0 SMB Server

SMB server allows you to share data or files through LAN envelopment. A guest folder shared to all is default from the NAS Dongle.

Note: Only use English alphabet for folder names and no special characters when creating new folders.

5.1 How to crate user.
Click on the **"Add"** button and type new account name and password and than **"OK"**.
Eg: "User1" for demonstrations.

In the same time, NAS Dongle will also crate a SAMBA folder named "User1", click
"Modify" to share the folder.

Select "User1" and add in to "Sharing List".
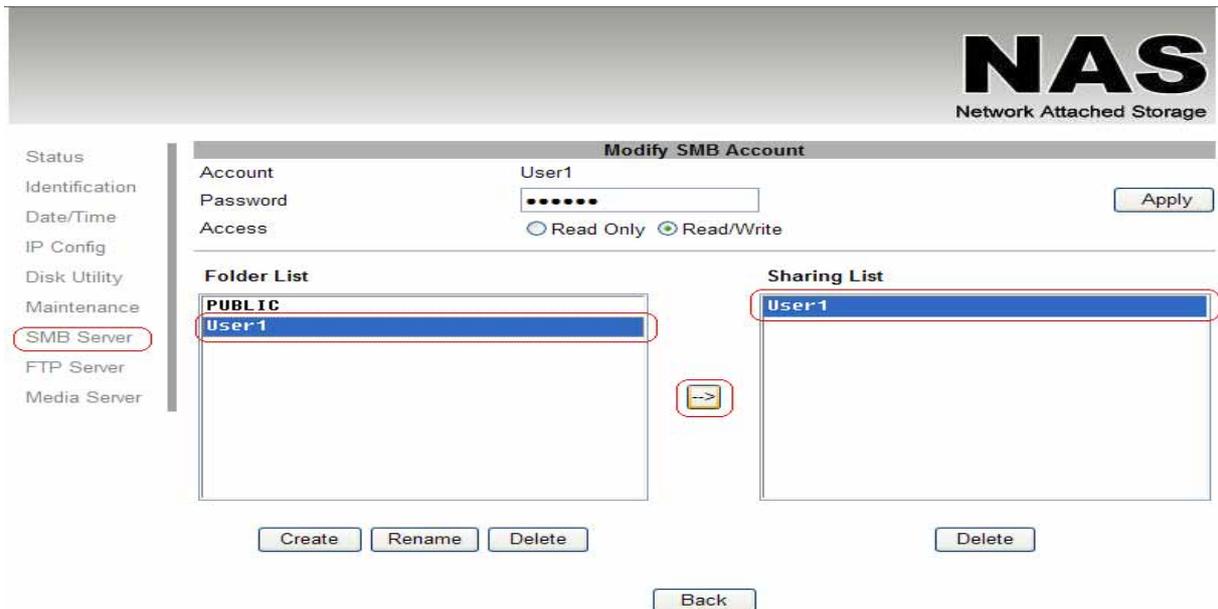
You can "Run" from window start button, and type \\ follow by the IP address.
Eg:\\192.168.1.121 and click OK to continue.
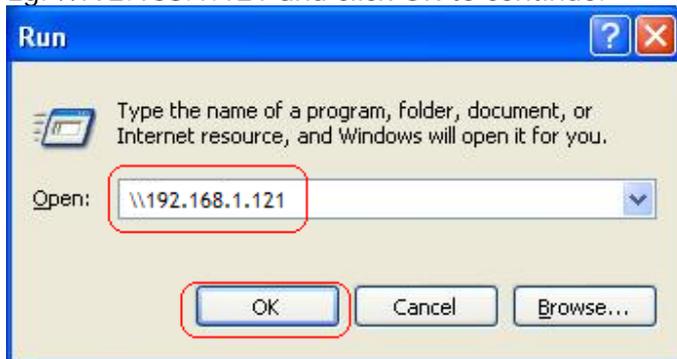
Type "User1" and password to login.

Now you have set up the folder that you wish to share on your NAS Dongle, you can access them from other computer on your local network.
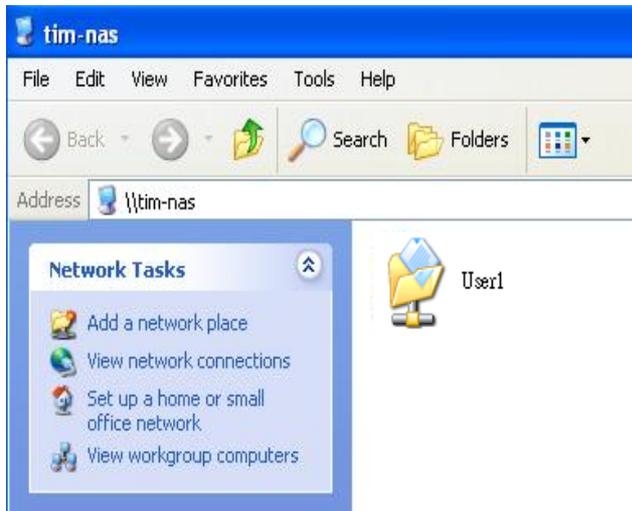
5.2 How to modify account password

Select the "User1" and than click "**Modify**".

Enter new password than click **"Apply"** to save setting.

5.3 How to delete a SAMBA account

Select an account you wish to delete, click **"Delete"** to proceed. Please note that all the data inside the folder will be lost after the delete.

6.0 FTP Server

Remember to "Enable" the FTP service on the status page, when you plan on using the FTP server.

FTP server Configuration: The standard port for FTP service is 21. If required, you can change it form any port form 1025-65500 but in general, we recommended using the default port of 21.

File language support: By default, the encoding is set to English. If you want to store or transfer files with a different encoding (different language), choose the corresponding language for the drop down list. In order to transfer and view the files correctly, it is important that you select the correct language!

Anonymous: By default an anonymous user name has been created, it allows FTP users to login without username and password. For security reasons, it is best to add a password!.

Note: to be able share FTP resource you need a router to assign the IP
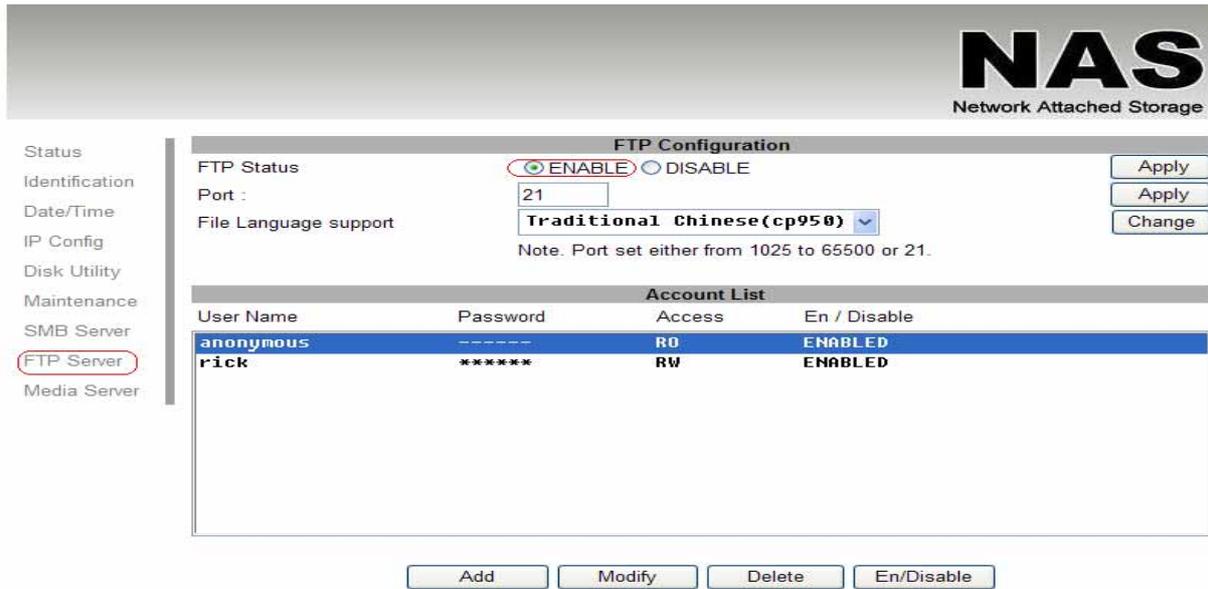
6.1 How to crate FTP account

FTP allows you to share your data through internet, so an internet resource and router is required before setting up FTP server.

Select FTP server and clicks **"add"** button and enter a name and password for the new FTP account and click **"OK"**. to continue.

In the account list, you can see an overview of the existing accounts and status. For FTP file transfers, we recommend to use other dedicated FTP client software e.g.: SyncQuick FTP, Cute FTP etc.

Note: When creating FTP accounts, please use only English alphabet and no special character or space for FTP account name.
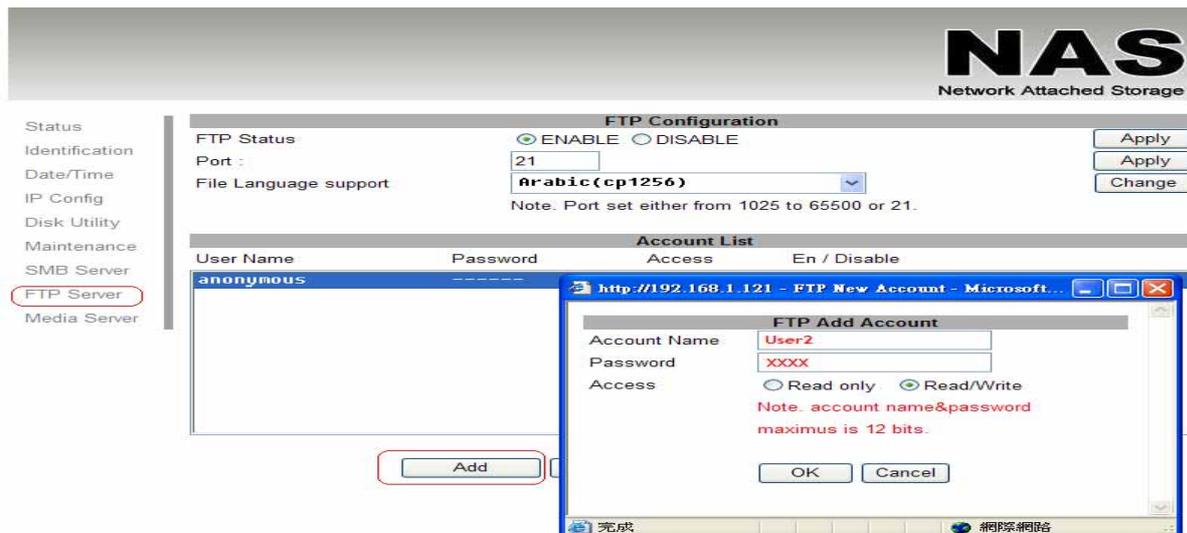
6.2 How to delete FTP account

In the "Account List", you can see an overview of the existing account and status; you can change them at any time by selecting the account and modifying, disabling or deleting it.

Note: Deleting a folder will also erase all the files on the hard drive that are stored inside that folder.

7.0 XBOX 360 UPnP Media server

The UPnP AV server can be used to share your photo and music file that are store on the NAS Dongle Storage with an XBOX360 video game console form Microsoft that is connected to the same local network.

Before you start, make sure both devices are connected to the same local network and turned on.

On your NAS Dongle, go to the XBOX360 media page and make sure photo and are set to share folder and not disable, e.g. the **"PUBLIC"** is enabled Photo directory.
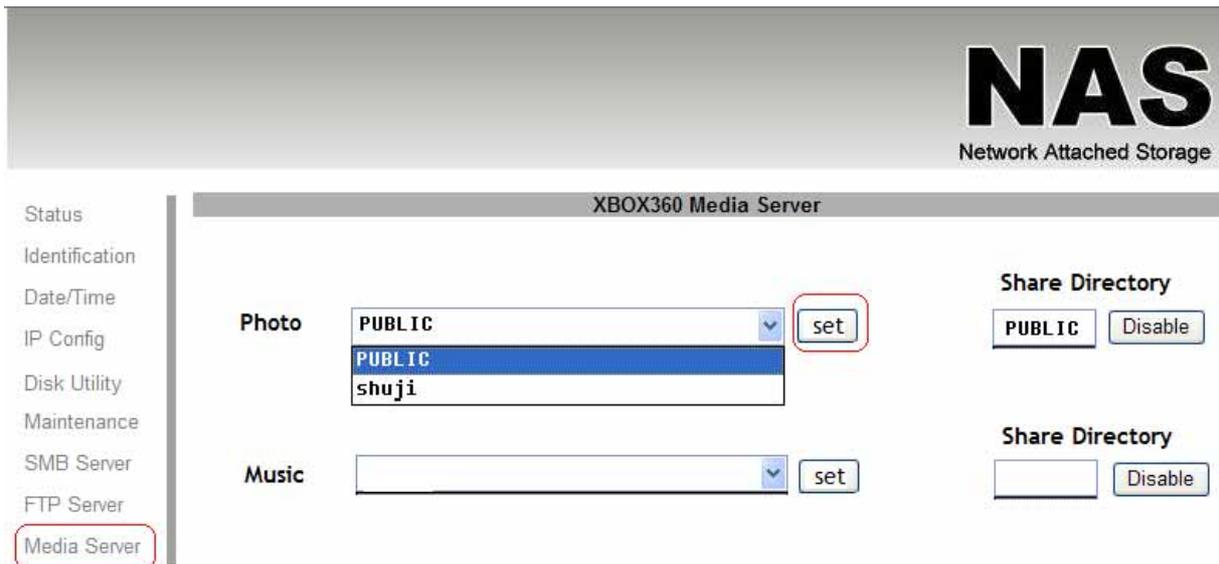
On your Xbox 360, go to media; select either Music or Pictures and press A to continue.

Press X to change the source and select your network drive, it should show up as storage-xxx and display the folder that you have set up earlier on your NAS Dongle.
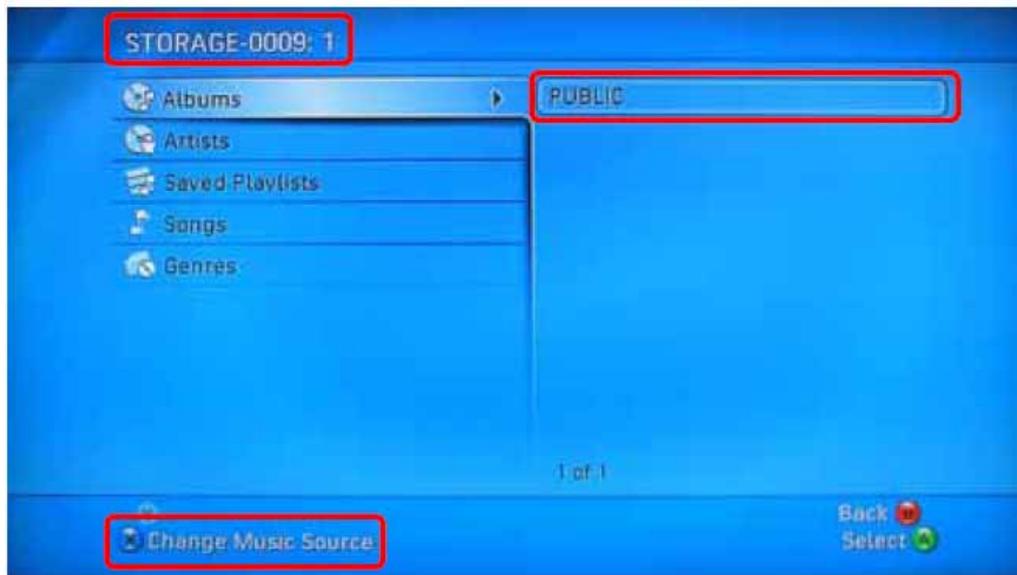
Inside the share folder, you can access your picture or music files, depending on which mode you are currently using. Select the files you would like to see or to listen, and start playback.
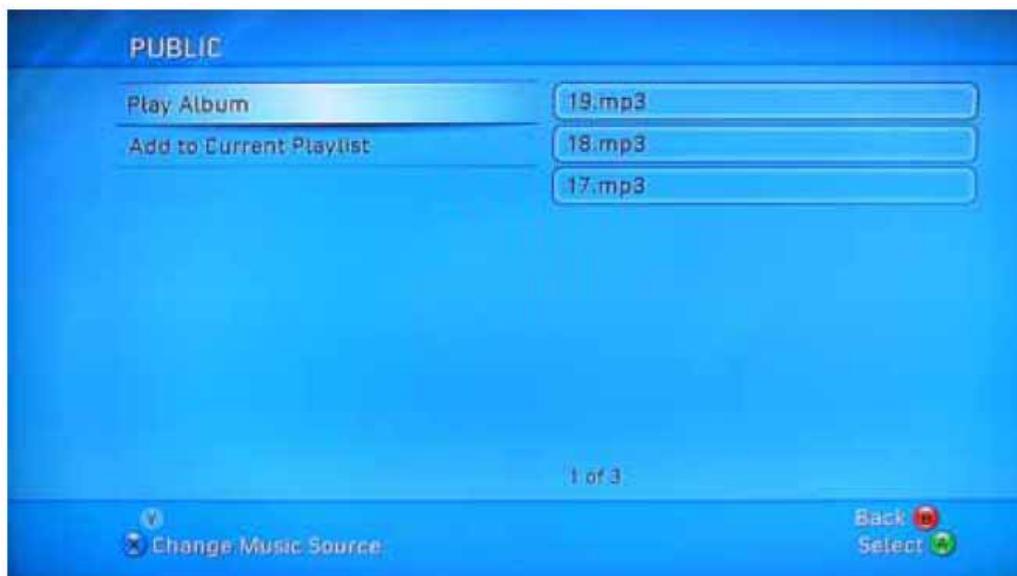
8.0 Bit Torrent server
NAS Dongle supports Bit torrent download independently without using PC resource.
Maxima of 4 bit torrent download can be running at the same time.

1. Select "**Bit torrent**" server and select the "Download Path" you wish to use than click "**Apply**" to save setting. (DO NOT change path setting while perform BT downloading, otherwise downloaded job will be missing)

2. Server Port range can be chose form 6881 to 65535. (6881 is default setting)

3. Create a upload speed limit: 0= unlimited upload speed, and 4 KB is minimum speed, then click **"set"** to save setting.

4. Click "**Browse**" and select .torrent file than Upload to the download queue.

Note: Jobs listed in the Download Queue will be removed when NAS dongle is turned off or USB storage is removed.
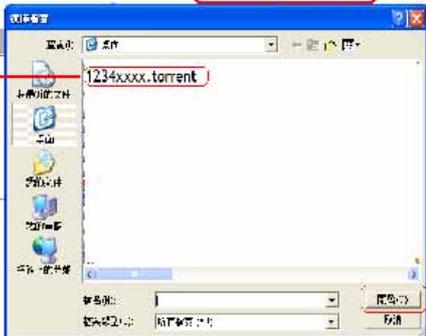
8.1 Mail Notification
After the download is successful, an email will be send to designated email address. Click **"Mail setup"** and input SMTP server, recipient email, SMTP A/C, Password, than click **"Apply"** to save setting.

9.0 Mac installations (Mac 10.5.4 or above)
Open Mac browser "Safari" and key-in the host name of the NAS Dongle (for example, "strage-0000"). It will detect the NAS Dongle automatically.

10.0 How to setup SAMBA in Mac OS X 10.5.4
1. Click "**Go**" on the toolbar, and select "**Network**" as the screenshot shown below.
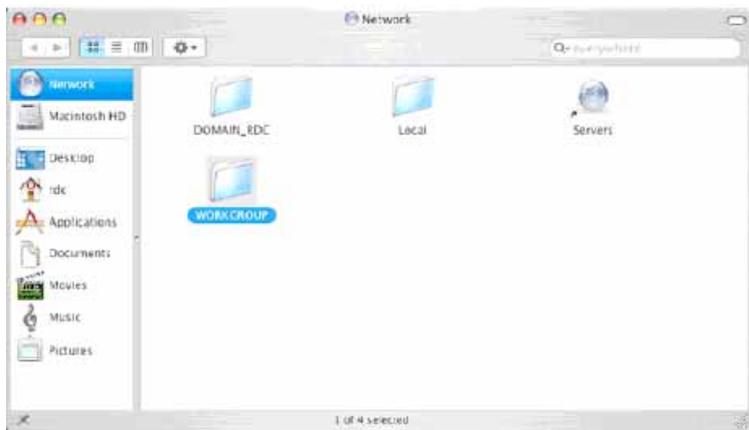
2. Double Click "**WORKGROUP**" (or the correct group name of the NAS Dongle), you will find the NAS Dongle **"STORAGE-xxxx"** (or the correct name of the NAS Dongle) in following window.

3. Click on the **storage-xxxx** (or the correct name of the NAS Dongle).

4. Select the folder you wish to share, and click "**OK**" to share the folder

5. Click "**OK**" to show the folder in the Desktop.

SMB/CIFS Filesystem Authentication

Enter username and password for STORAGE-0001

Workgroup/Domain

WORKGROUP

Username

RDC

Password

☐ Add to Keychain

Cancel   OK

11.0 How to Map your NAS Dongle (Showing NAS Disk Drive in network) to your system.

1. Press "Start" button on Windows desktop
2. Press "Search"
3. Select Folders
4. Select Computer or people
5. Select a computer on the network and a new window will appear.
6. Key in the host name, (For example "storage-xxxx") in the "Computer name" column and then press "Search" button. You will see the following window.
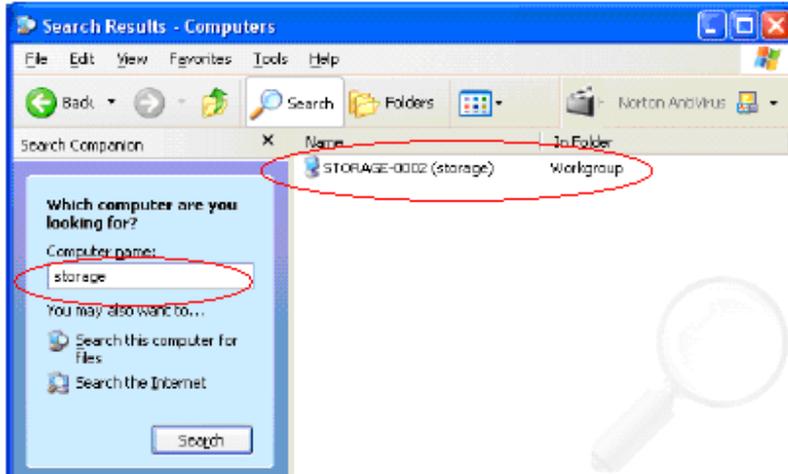
7. Point to the "Storage-xxxx", double click the mouse. Choose the folder you wish to map, click mouse on its right button and click "Map Network Drive".
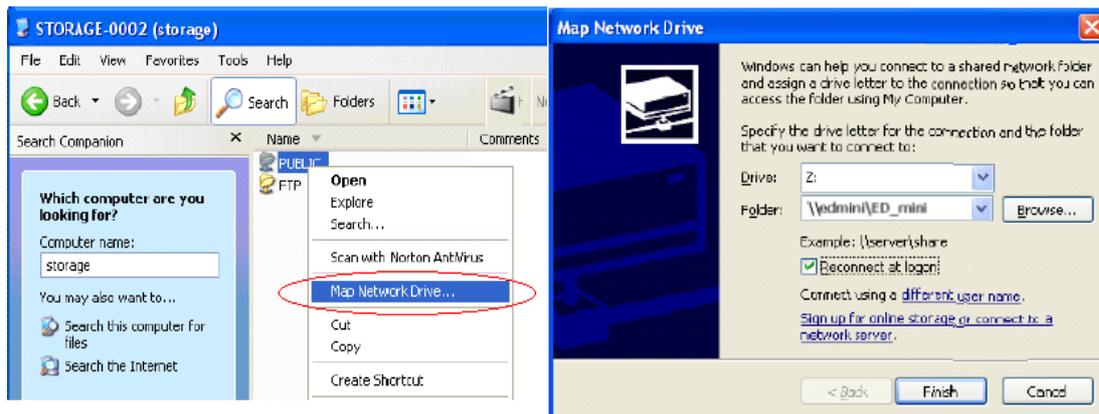
Note: For faster connection and usability, we recommend that you map a drive to share. This creates a direct access to the shared drive from My Computer (for more information about drive mapping, refer to your Windows manual).

12.0 Q&A

Q: Why can't I create/share folders in SMB or FTP server?
A: To avoid languages support issue, you are suggested to create/share folders with English characters only.

Q: Why can't I upload the files via LAN connection or got disconnected?
A1: Please make sure the networking is connected properly and you have the access right (read & write) for the folders.

Q: How to reset the NAS Dongle?
A1: By hardware: Please press the reset button for 30 seconds and the NAS Dongle will start to reset to default setting.
A2: By software: Please enter the NAS Dongle setup page, select Maintenance/Factory defaults and click on "reset" button. After seeing the message indicating reset is completed, click "reboot" button to complete the process.
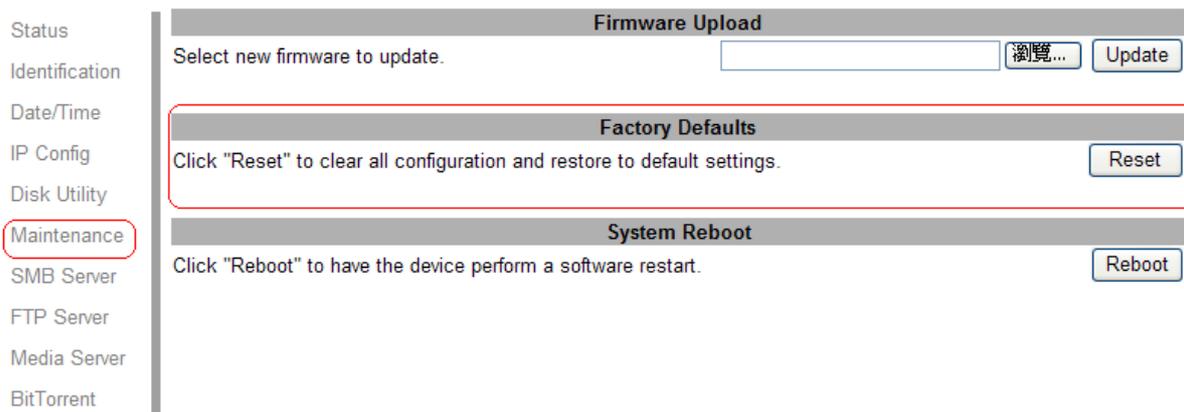
Q: How to setup the NAS Dongle to be in Daylight saving time?
A: The NAS Dongle does not support Daylight saving time setting.

Q: Why WinXP can not enter SMB folder with password via NAS Dongle?
A: Please update Win XP to SP2 or above. After update, please make sure if you have installed Norton Internet Security, if you do, please check with Norton service center.

Q: What is NAS Dongle default login name and password?
A: Our NAS Dongle default Login name: "**admin**", default password: "**admin**".

Q: What Operating Systems does NAS Dongle support?
A: NAS Dongle supports Microsoft Windows 2000 / XP / Vista and Apple Macintosh OS X above.

Q: How do I access NAS Dongle via the Internet?
A: If your NAS Dongle is using a fixed public IP, please perform the following steps.
1. Enter the management web base of NAS Dongle, and go to the FTP Server page to enable FTP Status.
2. Create User account and limits of authority.
3. Open Microsoft Internet Explorer or other FTP client software (recommended), and enter ftp:// NAS Dongle IP in the IP address field.

Q: Why FTP can not link to NAS Dongle or show link time out when using IE?
A: Due to IE FTP do not compatible with some Router, suggest to use FTP client software to start with. If you would like to use IE FTP to link NAS Dongle, please refer to following steps:
1. Please open port 21 and 20 on Router and link to NAS Dongle.
2. Open IE > Tool > Internet Options>Advance
3. Click "Enable folder view for FTP site" and click "OK"

Q: Why my FTP client software can not link to NAS Dongle or fail during file transfer??
A: Due to software design, it's possible certain FTP software is not compatible with NAS Dongle. NAS dongle is tested with most of popular FTP softwares such as CuteFTP or SyncQuick FTP.

Q: What is the limitation of user on NAS Dongle FTP and Samba and account mode?
A:
1. FTP 8 Users / Samba 8 Users (Total 24 sessions at the same time).
2. FTP Server: Account (maximum create 32 user accounts, 8 user accounts connect at the same time, maximum 16 folders shared by one account).
3. Samba Server: Share Level Access (maximum 16 folders shared by root)

Q: Any limitations for NAS Dongle file name length?
A: The limitation of length of file folder is 12 bytes.

Q: What can DHCP do as well with NAS Dongle?
A: You can setup NAS Dongle as a DHCP server if there is no any other DHCP Server exist in your LAN. Otherwise, NAS Dongle will automatically turn off its DHCP server function and become a DHCP client. For example, if you have installed a router with built-in (activate) DHCP Server, NAS Dongle will automatically setup itself as DHCP client.