



3.5" Network Storage

Model: CN-570

For 3.5" IDE HDD

For 3.5" SATA HDD



- Network Attached Storage
- FTP Server
- Printer Server
- Bit Torrent Download
- USB2.0 Storage



2006@ver1.0

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1. Feature

Built-in Ethernet switch port, easy to access and share data on the CN-570 without system require

Compatible with DSL routers/modems

Under Ethernet environment, it supports one 10/100Mbps Ethernet port

Support FTP server/DHCP server/Samba server

Support BT download function

Printer server function

Host USB available for external enclosure, Udisk, HUB.....device

Password management provides secure access to HDD and web management

Available for 3.5" IDE or SATA HDD

Support USB2.0 transfer rates up to 480Mb/sec

Compatible with Windows2000/XP/2003, Mac8.6, Linux9.0

Drive enclosure made of aluminum alloy good for heat dissipation

2. Hardware installation

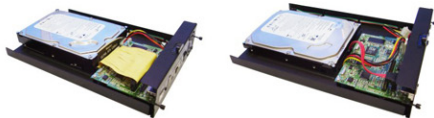
2.1 Take a look at the CN-570



- 1-----Power Switch:
- 2-----Power Jack
- 3-----LAN Jack
- 4-----LAN Connect status LED: A blinking light indicates that the LAN connect properly
- 5-----Host USB port status LED: A blinking light indicates that the device has connected to the Host USB Port
- 5-----Reset button: Press one second reset to the original status config
- 6-----Host USB Port: It could connect USB printer, or one external enclosure or Udisk, HUB.....devices "backward compatible"
- 7-----Host USB device Exit button: Press the button to exit the device which connected to the Host USB
- 8-----USB2.0 Jack: It could be used only as one USB2.0 external enclosure

2.2 Install one IDE or SATA HDD in this enclosure

- 1). Unscrew the thumbscrews at the back
- 2). Slide the aluminum cover out carefully
- 3). Plug the 80pin ATA cable & 4pin power cable into the appropriate ports on the rear of the HDD
- 4). Place the HDD in bottom tray carefully
- 5). Fix the HDD with screws from bottom mounting hole
- 6). Side the tray back
- 7). Fix the screws tightly from back mounting hole
- 8). Plug the LAN cable or USB cable in RJ45 port or USB port
- 9). Plug the adapter jack in enclosure, the other plug connect to power source



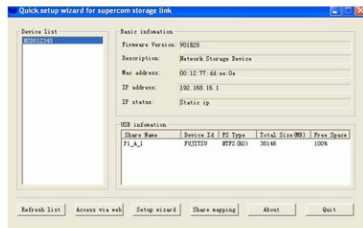
3. Package Content

Check fittings

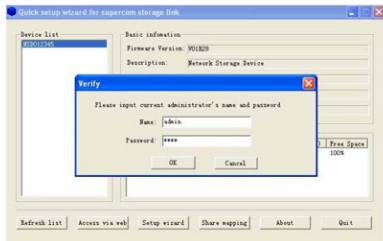
Before using the product, please check the fittings in the package compliant with the below. If any of these items are missing or damaged, please contact the local dealers timely.

- one CN-570
- one USB2.0 cable
- one LAN cable
- one 5V/12V adapter
- one bag with screws
- one user's manual
- one USB driver AND Utility Installation CD

Note: 192.168.16.1 is default IP address when connected directly to the computer



Click **[Setup wizard]** enter user name: **[admin]** , and password: **[root]**, click **[OK]**

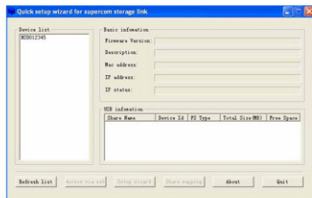


4. Window's Tool

4.1 Quick Setup Wizard

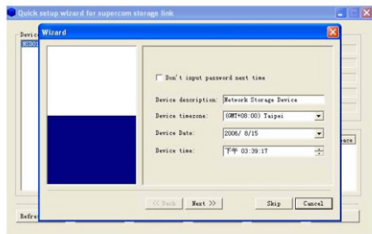
It's tool that allow user to search for every device on the network and show some information of NAS, it also allow us to access to the NAS web and change the setting

1. Open the attached CD Driver, double click **[NetTool0.8]**, one setup wizard window will appear as below:

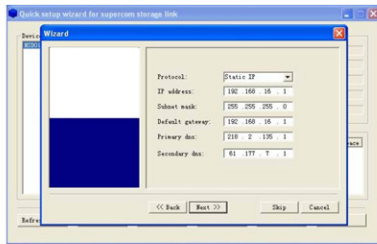


2. Click the **[NAS012345]**, the default number will appear in the window. The Quick Setup Wizard get the device default IP (192.168.16.1) even you are in a different subnet.

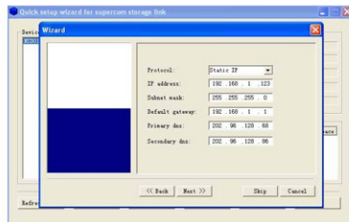
One window will appear, and you can configure your device's description, time zone, date, time. You could select **[Don't input password next time]** to store the password. Then click **[Next]**



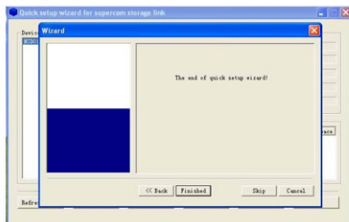
And one window will appear as below:



You can change your DHCP or Static IP as the Local network the same group IP. write IP address, Subnet mask, Default gateway, Primary dns, Secondary dns to blank. If you will use ftp server, you must change your IP for static IP, because the IP will mapped port range forwarding as server.



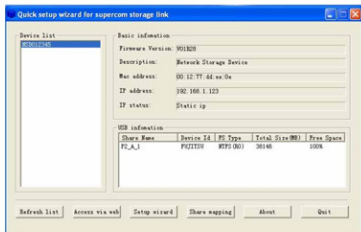
Then click [Next] to continue



[The end of quick setup wizard] appear, click [Finished] to finish the setup

4.2 Refresh List

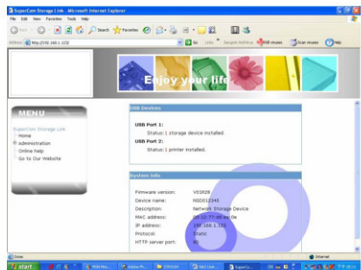
Refresh List can help us to find all devices on the network (in the same subnet). And it can also be able to get the default IP (even the subnet is different). If we want to get the device from other subnet, the device's gateway must be leave in empty or set it to the IP of the device.



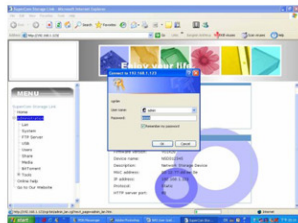
4.3 Access via Web

Click [Access via Web], this selection will link to the webpage of the chosen device.

The homepage will appear, and the basic information of the NAS will be show as below:



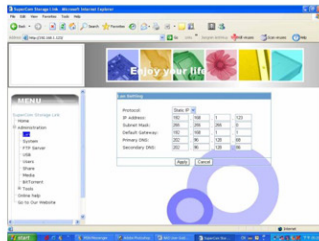
Click [Administration], the username and password will be required entering this part. The default username is [Admin] and password [root].



4.3.1 Administrator

4.3.1.1 LAN Setting

This section contain all LAN settings to configure the NAS to the network. Depending on how the network is set up, changes to this page may or may not be necessary. We can choose between **DHCP** and **Static IP** from the "Protocol"



DHCP: Selecting this options enable the NAS to request an IP and auto-configure itself to the network if there is a DHCP Server present.

NOTE: If DHCP Client is enabled, but there is no DHCP server, the DNS-120 will fall back to the default IP address of **192.168.16.1**.

Static IP: Click this option if there is no DHCP Server present on the network or and manually enter the network settings in the fields provided below this option.

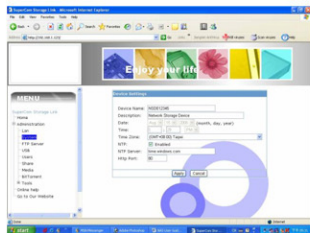
IP Address:-----Enter the static IP address
Subnet mask:-----Enter the subnet mask address
Default gateway:-----Enter the gateway IP address
DNS1 and DNS2(both optional):-----If available, enter those IP address here

If you need assistance in manually entering the above information, contact your network administrator for additional help in configuring the network settings.

4.3.1.2 System

The basic settings of NAS can be set at here such as "Device Name", "Description", "Date", "Time Zone", "Http Port" and the NTP, FTP server can be enabling or disable in here too.

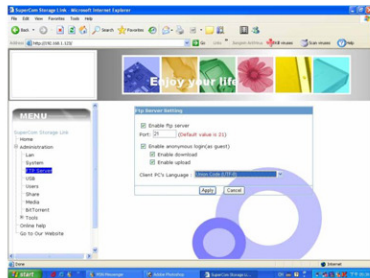
After the NTP option be selected to enabled, you'll need to enter a valid NTP server to make it works correctly. It'll get the time from the server. (The selection for the date and time will be close after NTP is enabled)



4.3.1.3 FTP Server

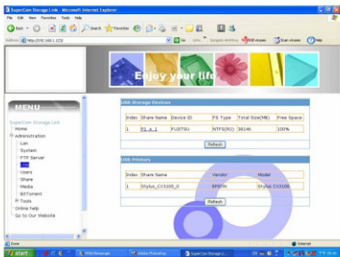
We're allowed to use the FTP to access to the device too after enabled. FTP port default is 21, and you also can setup you want.

When you use **enable anonymous** login, **enable download and upload**, you can access the FTP server without use username and password. If you don't know what your client use Language, please select Client PC's Language default **[Union Code(UTF-8)] "English"**.



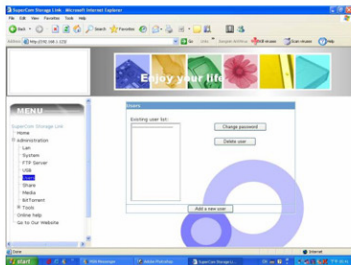
4.3.1.4 USB

All the IDE or SATA hard disk or USB printer which have be installed will be shown in here. Because the disk FS Type only support FAT/FAT32 and XFS, So we must format the NTFS disk to FAT/FAT32, We will not advice customer to use XFS style unless the customer want to use Linux system.



4.3.1.5 USER

In this option, you can change existing user password, and delete old user or add a new user.



Note: Before this step you must to format your HDD to FAT32, the detail please refer 4.3.2.3

Add a new user: Type in the user name, password which you want, there are 3 properties can be choose:

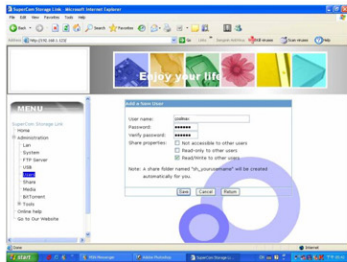
There are 3 properties can be choose:

No accessible to other users: Only the user himself can access to the folder.

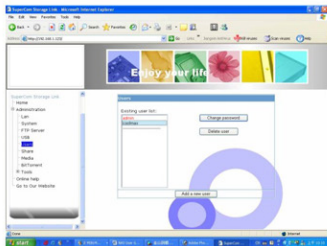
Read-only to other users: The other user of NAS get in to this user's folder to read only.

Read/Write to other users: The other user of NAS can read and write files in this user's folder.

Click [Save] after you want to add the user. Or [Cancel] to clear the information (username, password), or [Return] to back to the previous screen.



After finish add user, all the existing user will appear in the left window, and you can continue to add or delete the user you select, or modify the password.



Delete a user:

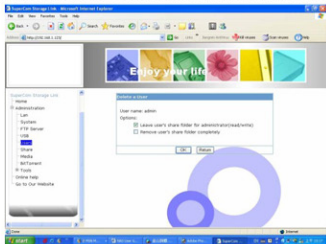
Click [Delete user option enter, there have two option could be select:]

Leave user's share folder for Administrator (read/write)

- This option will move the user's folder into Administrator's folder, and only read/writeable for administrator (administrator's folder will be created automatically at the time of NAS hard disk is created).

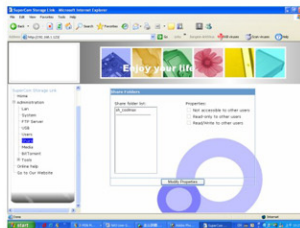
Remove user's share folder completely

- This will remove all files and folders completely without any backup.



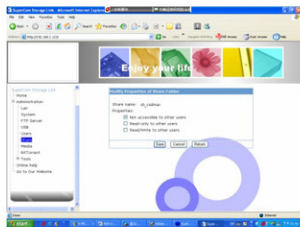
4.3.1.6 Share

This option can change the user properties if you want to change it after a user has been added.



here'll be a default admin which can be used to login the admin folder and FTP. Default Username: **admin**, Password: **admin**

Click on the user's we want to change (we can see what's his properties now after selected)., and click on "Modify Properties". And choose the properties we want, and "Save", or you can return to previous screen by clicking on the "Return" (properties won't be change).



4.3.1.7 Bit Torrent

ANAS hard disk is required to use this function.



Global settings

From here we can choose which folder (public or user's folder) we want to place the torrent files.

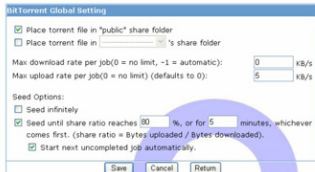
The max download and upload rate can be limited to the rate we want.

Seed options:

Seed infinitely After the downloaded finish. The file will be seed until stop.

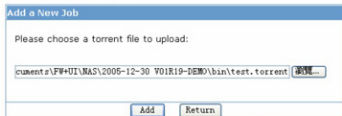
Or we can set the percentage of share ratio, or how many long we want to share. We can choose whether to let it start next job automatically or not

after the condition we set reached.



Add a new job

Download a BitTorrent seed (*.torrent) you want from the internet. And use this function to add the job.



After finished uploading the right .torrent file, click on **[Start]** to start the download.



There are four operations we can do:

Detail: Show the detail information of the job (New window will open and refresh every 5 seconds).

Start: If you want to running the job clicks this button.

Stop: If you want to stop the job click this button.

Delete: Stop and delete the job then you can add other jobs

PS: Can add up to 20 jobs. But only allow 2 jobs running at the same time.

4.3.2 Tool

4.3.2.1 Scheduling

A schedule for the NAS to restart can be set in here.

The screenshot shows a window titled "Scheduling". Inside, there is a "Restart:" label followed by a dropdown menu set to "Never", a numeric input field with "0", a colon separator, another numeric input field with "58", and a time unit dropdown set to "pm". At the bottom of the window are "Apply" and "Cancel" buttons.

4.3.2.2 Restart

Restart the NAS immediately.

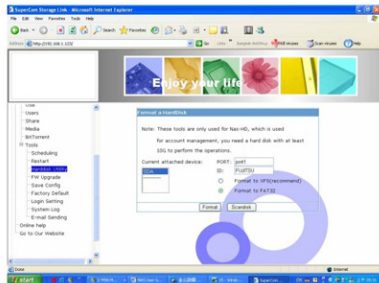
The screenshot shows a window titled "Restart Device". It contains the text "Click the button below to restart the device." and a single button labeled "Restart Now".

4.3.2.3 Hard disk Utility

Two function could be selected in this option

1. Format: Format a hard disk into a NAS hard disk from here (User management **ONLY** works on a NAS hard disk). And the size of hard disk minimum requirement is 10GB. We advice you to format the hard disk drive to FAT32 style.

2. Scandisk: Can be use to repair the damaged files in the hard disk. (NAS hard disk required).



4.3.2.4 Firmware Upgrade

Whenever a new firmware released, we can upgrade the NAS firmware from here. This will takes about 1~2 min for the upgrade to complete. Usually user need not to use this function.

The screenshot shows a window titled "FW Upgrade". It contains a red warning message: "Please do not power off the device while upgrading!". Below this, it shows "Current FW version: V01R16" and a text field with the path "d:\Documents and Settings\david\My Do...". At the bottom is a button labeled "Start Upgrade".

4.3.2.5 Save configure

Here allow us to backup the setting we've set for future use. (Including the settings in LAN, System and Scheduling)

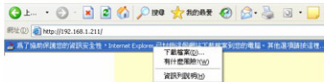
Backup & Restore configuration file

You can backup the configuration file to your PC, and restore a previously saved configuration.

Download

Restore

Download: The configuration file will be downloading. (Internet Explorer user will need to click on the protection bar on top and click choose "download files") to wherever you wish to store in your computer.



Restore: This function allow us to restore the previous setting by loading the configuration file we've saved before.

Restore Configuration

Please choose a previously saved configuration file on your PC to restore the configuration:

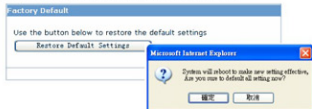
d:\Documents and Settings\dauid\My Documents\NAS FW

Restore

Return

4.3.2.5 Factory Default

Only use this function whenever you want the device back to the Factory Default. NAS will be reboot for the new setting to be effective.



4.3.2.6 Login Setting

The user name and password to login the NAS can be change from here.

Security setting

Change the web administrator's name & password.

User Name:

Old Password:

New Name:

New Password:

Confirm New Password:

Apply Cancel

4.3.2.7 System Log

Select this option we can view the log

System Log	
Index	Log content
1	[09/12/2005 11:58:55]: Restore configuration file failed.
2	[09/12/2005 10:42:18]: Current IP is 192.168.1.211
3	[09/12/2005 10:41:03]: Share folder P2_A_1 removed.
4	[09/12/2005 10:38:16]: Current IP is 192.168.1.211
5	[09/12/2005 10:37:37]: Current IP is 192.168.2.211
6	[09/12/2005 10:36:27]: Current IP is 192.168.2.211
7	[09/12/2005 10:35:27]: Share admin already exist.
8	[09/12/2005 10:35:27]: Share public already exist.
9	[09/12/2005 10:35:20]: USB device partition shared as P2_A_1.
Refresh Clear	

4.3.2.8 Email Sending

The NAS will send out a mail to the email address we set whenever an important setting changed or problems occurred. (E.g. IP changed)

E-mail Sending

☒ Send me E-Mail when important settings changed or severe problems occurred.

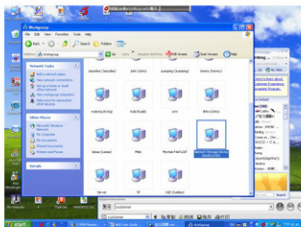
Email Address:

Subject:

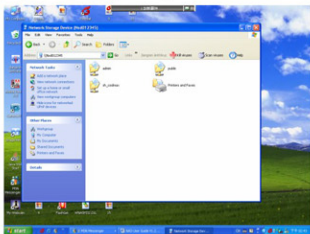
Save Send now Cancel

5. Map network drive

5.1 Open your [My network place]

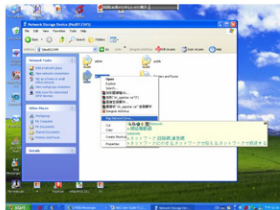


5.2 Open [Network storage device]

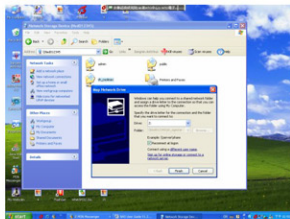


5.3 Right click [sh_coolmax] folder with mouse button, and select [Map network device]

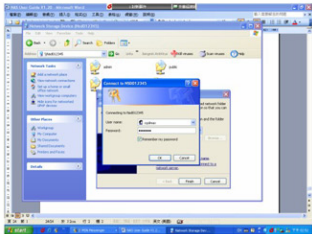
Pls.note you can also configure the map network drive in the net tool 0.8.



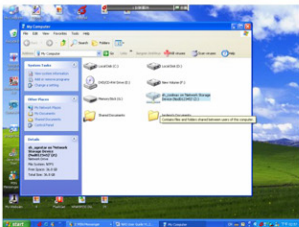
5.4 And select map drive number [z]



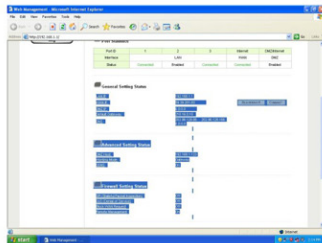
5.5 Enter your username and password to accept the disk.



5.6 Open [My computer], the disk drive [Z] will appear in my local disk place.

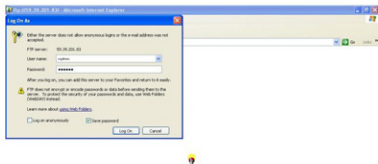


6.1.1 If you use WAN IP is static such as (59.39.201.83), Example IP address.

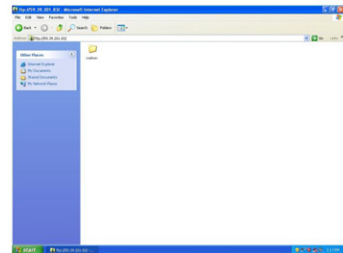


6.1.2 Please enter [ftp:// 59.39.201.83] to visit FTP server.

6.1.3 Enter the user name and password, click [Log on]



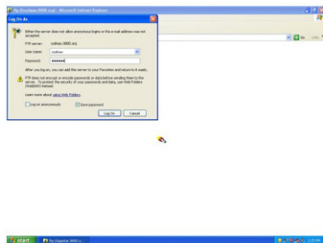
The shared folder appear, FTP function test ok



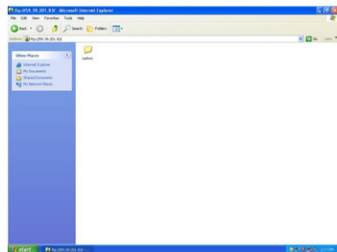
6.1.4 If you use WAN IP is dynamic, you have to use free of charge DDNS to resolution your WAN IP. Please ask the router manufacture of DDNS particular setup.



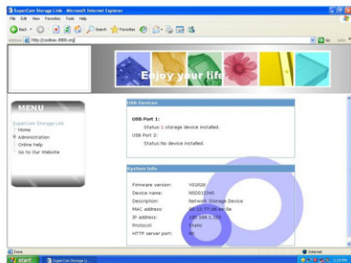
6.1.5 Now you can use the Domain name to visit your FTP server and remote setup your NAS. DDNS:coolmax, enter user name and password log on



The shared folder appear, FTP function is ok



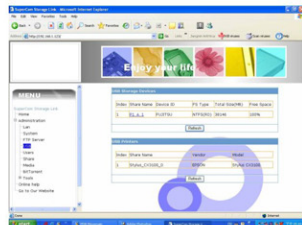
You can also remote to setup your NAS product. For more further detail setup, you can ask the network manager or coolmax support to help you setup your



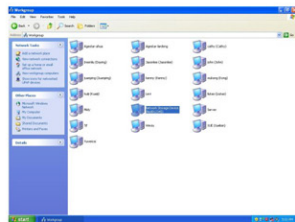
7. Printer Server

The NAS product attach one USB port support printer server function, please configure it follow the steps as below:

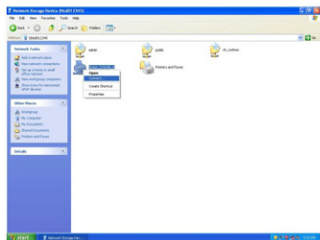
7.1 Connect your USB printer to NAS USB host port., The NAS will detect and recognize the printer, the detail model and vendor will appear in the window. Such as Stylus_CX3100, Epson(Example printer).



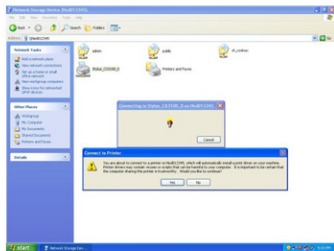
7.2 enter the computer which you want to install the printer in it, open [My network place], find [Network Storage Device (NAS012345)] and open it



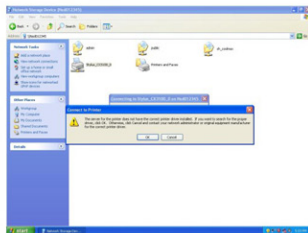
7.3 Right click the printer icon you have connected with mouse button, select [Connect]



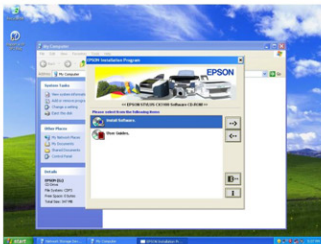
7.4 NAS start to connect printer, click [Yes] to accept the asking



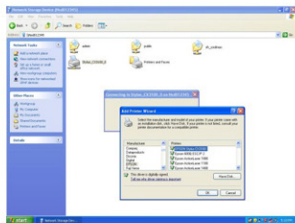
7.5 NAS start to install the printer driver, maybe it will instruct no correct driver, please insert the CD driver of the printer to continue



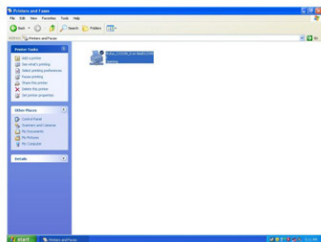
7.6 Start to install the driver, follow the guide to finish the setup



7.7 Finish driver install, the printer you connected will appear in the window, NAS continue to connecting the printer, select the right model and click [OK]



7.8 In this window, one [Printers and Faxes] icon appear in it too, open it, the connected printer(EPSON Stylus Cx3100) appear as below:



7.9 Select [Print Test Page] to text printer, if print ok, the printer has installed successfully!

7.10 Other use for this Host USB

The Host USB port available to connect other USB device, such as Udisk, external enclosure, USB HUB.....If use this USB device, please connect the device to the Host USB Port directly or by USB cable(up to 5 devices connect to the USB Hub),for Udisk, 2.5" external enclosure, the Bus-Power can support it work normally, if for one 3.5" or 5.25" external device, please connect a external power supply to device.

7.11 Exit Host USB Device

When you want to exit the device connected to the Host USB, please press the [Exit USB] button, when the Green LED in the RJ45 Jack is off, so it means the device has exit from the Host USB, now you can unplug out the device.



8. USB Storage Mode

The product can be used just as a external enclosure under USB mode
When under Windows2000/XP or MAC OS9.0 above, the system will auto-
detect the device;
When use it under Win98SE, you shall to install the drive included in the CD
Drive

- 1). Open PC system
- 2). Plug the the power adapter to the enclosure and power source
- 3). Turn the power switch to "ON" position
- 4). Connect the USB cable between the enclosure and PC.
- 5). System will detect the new hardware and search the suitable driver
- 6). Insert the CD driver(which attached in the product) in CD/DVD ROM,
point and open the file---"Cy68300Driver"
- 7). System will automatically find the suitable file and follow the windows
information to finish the installation.
- 8). Restart your system

Now you can use the enclosure!

9. Instruction of the question

- **Q:**No sleep mode function?
A:No sleep mode function
- **Q:**Is it possible to add the sleep mode function?
A:It's impossible to add the sleep mode function
Principle for chipset RDC: Network --->PCI --->IDE (PCI have sleep mode
function)
Principle for chipset STR:Network --->USB --->IDE and SATA (USB haven't
sleep mode function)

- **Q:**No linux support? (nfs format not ntfs for linux)
A:It can support Linux (FAT32 or XFS)
- **Q:**No raid support?
A:No raid support
- **Q:**No printer detection?
A:There's printer detection function.
- **Q:**Limit of users to create?
A:No limit
- **Q:**Limit of users to access one folder?
A:No limit
- **Q:**Limit of folders to create?
A:No limit
- **Q:**Size limitation transfer in smb or external network?
A:No size limitation(Max.4GB file size for FAT32)
- **Q:**Size of processor and memory in the NAS? Can be upgradable?
A:256MB memory.It can't be upgradable
- **Q:**Size limit of the harddrive ide? Or sata?
A:It can support 750GB IDE HDD and 750GB SATA HDD.Firmware upgrade
available to support a largest size HDD.
Q:Can connect both usb and rj45 at the same time? Which control first?
A:Can connect both USB and RJ45 at the same time.USB control first.
- **Q:**No local search function to detect the NAS?
A:Have local search tool in CD
- **Q:**What are the limitation of linux base NAS
A:Without special limitation
- **Q:**Can the nas be access using a internet browser?
A:Yes,the NAS can be accessed using internet browser

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