Synology DS-101j Disk Station

User's Guide



(Document #: SDS2.0-050915_enu) Based on DS2.0 Ver. 2.0240

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Safety Warnings and Instructions

Please read this safety warnings and instructions carefully before use, and keep it well for your future reference.



1. Be sure to read and follow all warning notices and instructions.

- 1. Do not place Synology DS-101j Disk Station in direct sunlight or near chemicals. Make sure that the environment does not experience abrupt changes in temperature or humidity.
- 3. Before cleaning, please unplug the power cord first. Wipe Synology DS-101 Disk Station with wet paper towers. Do not use chemical or aerosol cleaners to clean it.





4. Do not put Synology DS-101j Disk Station close to any liquid.



- 5. Do not put Synology DS-101j Disk Station on a cart, table, or desk, which is not stable to avoid it's falling off.

6. Do keep Synology DS-101j Disk Station stand erect. Do not lay it down horizontally.



7. There are slots on the side covers for ventilation. To make sure Synology DS-101j
 Disk Station is operating under normal condition, please do not block or cover those slots to avoid its being overheat.



- 8. The operation temperature is from 50°F to 90°F (10°C to 35°C). Care must be taken to allow sufficient air circulation or space between units.
- 9. The connections and equipment that supply power to Synology DS-101j Disk Station should be capable of operating safely with the maximum power requirements of DS-101j Disk Station. In case of a power overload, the supply circuits and supply wiring should not become hazardous.
- 10. The power cord must plug in to the right supply voltage, i.e. 110VAC for North America and 230VAC for Europe. Make sure that the supplied AC voltage is correct and stable.
- 11. Do not allow anything to rest on the power cord and do not locate the product where anyone can walk on the power cord.
- 12. Do not service the product by yourself. Opening or removing covers can expose you to dangerous high voltage points or other risks. Refer all service to qualified service personnel.

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About this User's Guide

This User's Guide covers the Synology DS-101j Disk Station's hardware, installation, operation and troubleshooting, etc. Each chapter provides detailed information and helps you acquire clear concepts of the operation of the Synology DS-101j Disk Station. Enjoy your use of Synology DS-101j Disk Station!

Organization of This User's Guide

Chapter 1, Get to Know your DS-101j Disk Station

Describes the features of Synology DS-101j Disk Station in detail.

Chapter 2, Get to Know the Hardware

Explains the LEDs and port functions on the front and back panels.

Chapter 3, Install your DS-101j Disk Station

Explains steps to set up DS-101j Disk Station, and offers tips on accessing DS-101j Disk Station.

Chapter 4, Manage your DS-101j Disk Station

Describes the default functions and advanced features on the Web management Graphic User Interface (GUI) of DS-101j Disk Station.

Chapter 5, Use Data Replicator

Explains steps to install Data Replicator, and how to use it.

Chapter 6, Troubleshooting

Provides solutions to common installation and operation problems.

Appendix A, Suggested Periphery

A table containing suggested HDD information.

Appendix B, Technical Support

Illustrates the methods to obtain technical support.

Chapter 1 Get to Know your DS-101j Disk Station

1.1 Introduction

Congratulations on your purchase of Synology DS-101j Disk Station! Synology DS-101j Disk Station is a 6-in-1 server specially designed for SOHO, home users, and workgroups. Integrating a file server, backup server, and printer server, Synology DS-101j Disk Station provides file storing and sharing, automatic file backup, and USB printer sharing to meet SOHO and home users' demands. It also performs as a FTP server so that you can upload and download data via the Internet.

Synology DS-101j Disk Station is a file server. With Synology DS-101j Disk Station, you can not only store files on it, but also share files throughout the network. You can store data such as documents, art works, spreadsheets, presentation slides, mails, photos, recorded videos, and music files on DS-101j Disk Station, and then share them with your co-workers or home members. There are also three USB 2.0 ports on Synology DS-101j Disk Station which you can use to connect Synology DS-101j Disk Station to a USB Hard Disk Drive (HDD) to expand your storage capacity. You can also use them to copy data from various digital devices, such as USB memory or digital cameras. The most convenient feature is that it's PC-free. You don't even need to turn on your computer, and you can use your digital device right after you copy the data to DS-101j Disk Station.

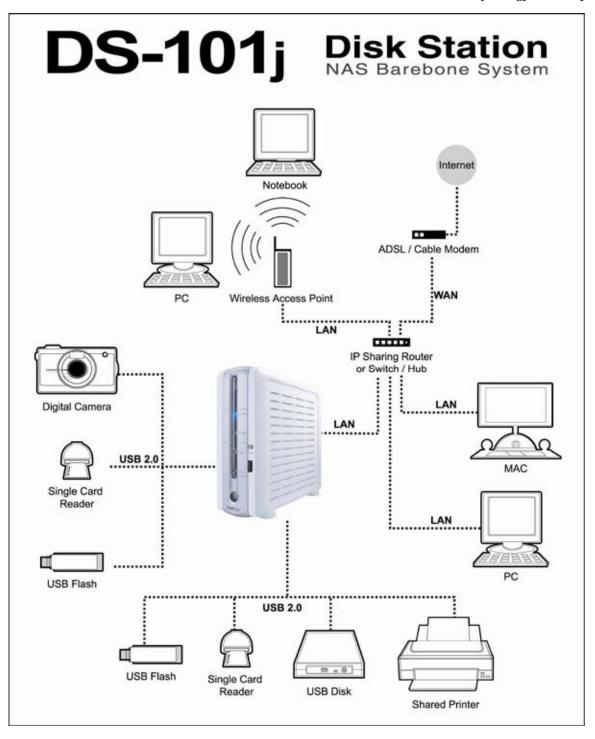
The Synology DS-101j Disk Station is also a backup server. With Synology Data Replicator, the DS-101j Disk Station can backup files automatically. To avoid losing files, you can also backup the data from DS-101j Disk Station to other USB hard drives. The Synology DS-101j Disk Station provides this free utility to PC clients connected to it. For people like designers, doctors, architects, accountants, and sales or higher executives, it's very important to have your files backed up. However, this may not always be easy to do due to the time it takes. Therefore, let the Synology DS-101j Disk Station help you. It offers a real time or automatic file backup function. It's your complete backup solution.

The Synology DS-101j Disk Station is also a print server. With the facility to share a USB printer, you can save time, money, and space because the shared USB printer will support all the office or home users. The only thing you have to do is to connect the printer to the Synology DS-101j Disk Station, and everyone throughout the network can print out files via the DS-101j Disk Station.

In addition, the Synology DS-101j Disk Station also offers an FTP service. You can use the FTP service to upload and download files directly from the Web management Graphic User Interface (GUI) of the Synology DS-101j Disk Station. Through the FTP service, you can share all kinds of data with your friends on the Internet. For business people, you don't need to carry the data you need with you, but use FTP to put it on the Internet, and you can open it anywhere through the Internet.

Besides the existing functions of DS-101j Series, the Synology DS-101j offers superior functions called Synology Photo Station and Synology Web Station. The Synology Photo Station serves as a powerful and convenient photo browser. By uploading photos to the default share on Synology DS-101j Disk Station, you can browse the photos and share them on the network because the system will generate the photos automatically into the online album. The new DS-101j Disk Station also serves as a simple static web server. With Synology Web Station, SOHO can build a web site for sales and marketing. Customers can then connect and browse your business web through Internet. Home users can build family web site to share family members' life as well. Synology Web Station gives you a completely self-owned easiness and fun.

The Synology DS-101j Disk Station will definitely be an extremely useful tool for the SOHO or home user like you. With the Synology DS-101j Disk Station, it will be convenient to store, share, backup, and print files. It is easy to install and operate, and noise free while in use. The Synology DS-101j Disk Station offers you maximum performance for minimum cost. You are surely already reaping the benefits of Synology DS-101j Disk Station.

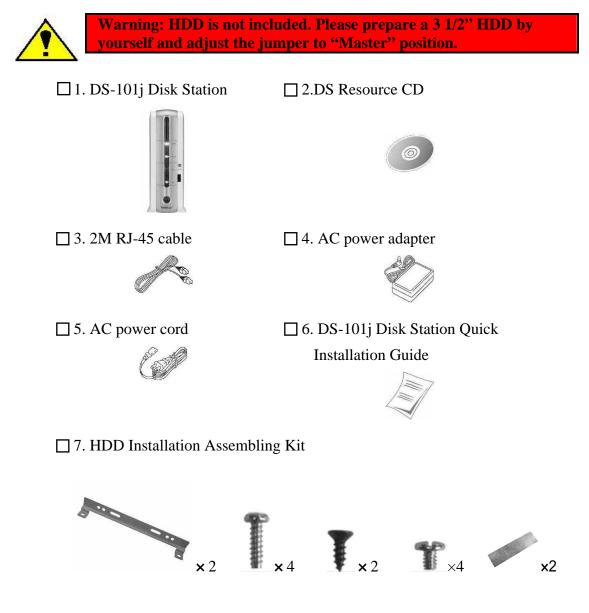


1.2 Get Started

Before use, please read this User's Guide thoroughly and use the DS-101j Disk Station only in accordance with the instructions in the User's Guide. Also keep this User's Guide in a secure place where it can be referred to easily.

Packing List

Before you begin, please open the box and make check off the package contents to verify that you have received the items below.



1.3 Install HDD

- 1. Prepare a 3 1/2 " IDE HDD which is brand new or never been formatted by DS-101j Disk Station, and adjust the jumper to "Master" position.
- 2. Screw up the two HDD holding brackets on both sides of the HDD.



3. Take off the side cover with USB COPY button, being careful to keep the cable connected to the main board.



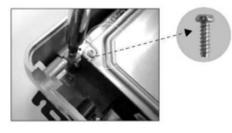
4. Put the USB cable underneath the HDD cable. This is to eliminate electromagnetic waves.



5. Connect the power plug and IDE HDD cable to the HDD.



6. Attach the HDD brackets to the main board using 4 screws provided.



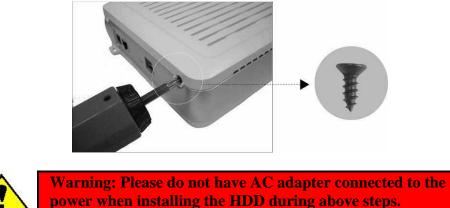
7. Attach the aluminum foil sticker between the hard disk and LAN port as described in the picture. This can also help to eliminate electromagnetic waves.



8. Adjust the IDE HDD cable and close the side cover.



9. Tighten the last two screws on the back of the side cover to finish the HDD installation.



10. Connect the AC adapter and the LAN cable to the DS-101j. Press the power button, and the POWER LED will flash while processing a self-test for about 40 seconds. You will hear a beep sound after the DS-101j completes the self-test, and then the POWER LED becomes still.





Warning: Do not lay the DS-101j Disk Station horizontally or block the ventilation slots on the covers.

1.4 Synology DS-101j Disk Station Applications

With keen innovation and state-of-the-art design technology, DS-101j Disk Station is an ideal NAS device for the following applications.

Small Office and Home Office

Small business users, such as accountants, art designers, dentists, lawyers, and real-estate brokers often store years of valuable client information on their Windows or Mac PC hard drives without doing any backup or redundancy. However, chances are that all the business data might be lost someday causing great trouble. The Synology DS-101j Disk Station allows Windows and Macintosh clients to store, share, backup and print files for your multiple demands.

Due to the limited budget of small office/home office (SOHO) and home users, it is hard to choose a server at an affordable cost yet with high performance and expandability. SOHO users might also consider factors such as being easy to install and manage, reliable, noiseless, scalable, and able to serve as a print server, with direct input provided. Here Synology are happy to tell you that with the DS-101j Disk Station, you have a product that embraces all these benefits.

For those SOHO and home users, the Synology DS-101j Disk Station is a cost effective and complete solution to their server requirements. Even if small business and home offices have already had an expensive server installed, when the server storage is full, the low cost Synology DS-101j Disk Station is still an ideal and quick solution for storage expansion.

Educational Market

Students in small classes can use the DS-101j Disk Station to store, share, exchange, backup, and print files in school at a very low cost. Schools can use the Synology DS-101j Disk Station to enrich their facilities without a huge investment.

Home User

The increasing use of residential broadband and digital multimedia in music, videos and still images has contributed to the growing need of large-capacity storage systems.

To enrich your digital life at home, you may use the DS-101j Disk Station to store thousands of MP3 music files. Family members can then share and backup their MP3 music files and play them on their own PC all day long through a home network. Moreover you can also share digital photos and still images (image files) with friends and

family.

The Synology DS-101j Disk Station is easy to install, configure, and operate for home users.

It's a DHCP-enabled device. When it's connected to an IP sharing Router, it will search for and acquire an IP address automatically.

There is a copy switch on the front panel. You just need to press this to save pictures, videos, image files and data onto DS-101j Disk Station from a USB device. It's quick and easy.

ISP

With a fixed IP address, an ISP service provider can use the Synology DS-101j Disk Station to pre-load video, image, and multimedia files from an ISP service center to the user during their free time, thus reducing the network transmission loads at busy times.

Private Backup for Business People

The Synology DS-101j Disk Station relieves the headaches of having to backup your notebook and desktop. The Free Data Replicator software provides constant backup of Windows PC and Notebook files. Notebook files are backed up to local drives while disconnected from the network. Then they are automatically saved to the DS-101j Disk Station when the notebook is reconnected to the network.

Portable Storage

Because it's small and lightweight, the DS-101j Disk Station is a portable device allowing users to bring or move their data center to their customer's site for business presentations, data storage, data sharing and printer sharing.

1.5 Synology DS-101j Disk Station Advantages

6-in-1 Server

The Synology DS-101j Disk Station is a 6-in-1 server. A file server for file storing and file sharing; a backup server which can back up files automatically for Windows clients with the installation of the free Data Replicator software; and a printer server to share USB printer throughout the network. In addition, it can perform as a FTP server to provide high-speed data transfer, a static web server, and a photo browser.

Low Cost

Synology DS-101j Disk Station is a truly low cost 6-in-1 server. With the standalone Linux based embedded system, there is no license fee required for the Operation System. Through its web-based management user interface on the client side, there is no need for a console to manage DS-101j Disk Station.

Easy to Install

There are no complicated setup requirements and it is extremely easy to use. All you have to do is just plug in the power, connect it with the RJ-45 gigabit Ethernet cable, turn on the Synology DS-101j Disk Station, and you are just four mouse clicks away from using DS-101j Disk Station.

The DS-101j Disk Station can serve as a file server, backup server and print server as soon as you have finished the installation.

Easy to Use

The intuitive web-based GUI with a friendly human interface and online help makes management easy.

Powerful Server Management Software

Synology system software makes the Synology DS-101j Disk Station a powerful 6-in-1 server for users to manage.

- Supports Microsoft Network / CIFS and Apple Macintosh Network / AFP / AppleTalk, TCP / IP, FTP protocols
- Interoperable: Supports both Windows 98 / Me / NT 4.0 / 2000 / XP / Windows Server 2003 and Mac OS 7.x, 8.x, 9.x, 10.x
- Share level security support
- Event Notification

- Automatic file backup for Windows clients with installation of Synology Data Replicator
- Easy to use Web-based Synology management UI and user friendly Webbased help
- Network Time Protocol (NTP) Support
- HDD sleep mode support High performance and high throughput for data storage

Noise Free

With a fan-less design, the Synology DS-101j Disk Station provides users with a quiet and noise-free office environment.

USB 2.0 Support

There are three USB 2.0 ports available to use. Simply plug in a USB disk to the Synology DS-101j Disk Station and you can have the additional storage you need with no system downtime. In additional, the external USB disk can be used as the data backup device to the system.

Direct input from Digital Camera/Flash drives

It is easy to share your company's party video and photos with your colleagues. Simply connect your digital video recorder to the Synology DS-101j Disk Station, press the COPY button on the front panel, and your recorded video will be automatically uploaded to a safe and shareable folder.

1.6 Limitations

- 1. DS-101j supports up to 1 USB printer with a USB hub or without.
- 2. DS-101j supports up to 3 USB disks without a USB hub, and multiple card readers.
- 3. USBCopy function only supports USB disks under 4GB capacity.
- 4. Some digital cameras are defined as a USB still image device, such as Canon's, and the DS-101j will support USB Copy function only (No USB share function support).
- 5. Please refer to "Recommendation" before connecting a USB device.
- 6. For Mac users, DS-101j supports only USB shared printers with PostScript.

1.7 Software Features Network Transport Protocols: TCP/IP AppleTalk **Network File Protocols:** Microsoft Networks CIFS Apple File Protocol AFP 3.0 **Client Support:** Microsoft Windows 98 / ME / NT 4.0 / 2000 / XP / Windows Server 2003 Apple Macintosh OS 7.x, 8.x, 9.x, 10.x **Network Setting: One-Click** setup Manual Configuration DHCP auto IP assignment **System Management:** Assistant utility (automatic searching for all systems on the network) Web-based Management **Internet Services:** Network Time Protocol (NTP) File Transfer Protocol (FTP) Security: Account/Group/Share Support Share Level Security Support Web access control support **System Configuration:** Maximum Accounts: Up to 128 users Maximum Groups: Up to 64 groups Maximum Shares: Up to 100 shares Up to 32 concurrent connections Automatic File Backup for Windows client: With Synology Data Replicator installed on client system Language Localization: UI Language Support: English, French, German, Japanese, Korean, Italian, Spanish, Portuguese, Russian, and Chinese **Complete Backup Solutions:** Data on Windows PC backed up onto Disk Station Data on USB devices (less than 4GB) backed up onto Disk Station

Data on Disk Station backed up onto USB disks

1.8 Hardware Specifications Processor: Intel IXP420BB **Memory:** 32MB SDRAM 2MB Flash **IDE Port:** 1 X IDE Port for HDD **Network Connection:** RJ-45 10/100Mbps Ethernet **USB Support:** USB 2.0 support Up to 480Mbps (High Speed Mode) or 12MBps (Full Speed Mode) for data transmission 1 X USB printer supported (For Mac users, DS-101j supports only USB printers with PostScript.) Up to 3 X USB disks supported USB copy button on the front panel **Fanless Design:** Noise free **HDD Sleep Mode Support:** To reduce system power and noise **Optional HDD:** The standard system is shipped without HDD Support: 120GB/160GB/250GB/300GB/400GB capacities **Agency Certifications:** FCC Class B, CE, BSMI, C-Tick **Electrical & Environmental Requirements:** Line voltage: 100V to 240V AC Frequency: 50Hz to 60Hz, single phase Maximum continuous power: 40 W (Standby: 11.4 W; Working: 12.12 W; Sleeping: 6.12 W) Operating temperature: 50 to 95° F (10 to 35° C) Storage temperature: -40 to 185° F (-10 to 70° C) Relative humidity: 5% to 95% RH, non-condensing Maximum operating altitude: 10,000 feet Size & Weight: Size: 18.1cm×21.2cm×6.0cm Weight: 0.5 kg (without HDD)

Chapter 2 Install your DS-101j Disk Station

2.1 Synology DS-101j Disk Station External Components

A. LED meanings

POWER LED –

The POWER LED light will blink when turning on and shutting down the DS-101j Disk Station. It will remain lit up while the machine is powered on.

STATUS LED -

The STATUS LED shows the internal hard drive's status. When the internal hard drive is below 85% of it's capacity, the STATUS LED will light up in green; when the drive exceeds 85% but has not yet reached 95% of it's capacity, the STATUS LED will light up in orange; when the drive exceeds 95% of it's capacity, the STATUS LED will blink in orange.

HDD LED –

The HDD LED lights up when the internal hard drive is working or operating. Periodically, the HDD LED will blink. The frequency depends on the internal hard drive's activity.

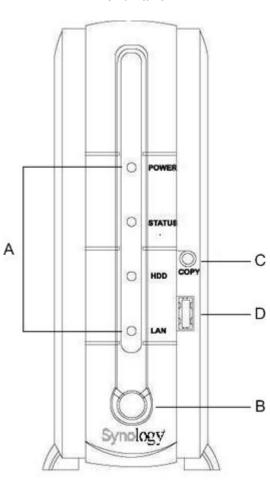
LAN LED -

The LAN LED lights up when the

LAN cable plugs in. The LAN LED blinks periodically, indicating that the network is working.

B. Power button

The Power button is used to turn the machine on or off. It will take approximately 30 seconds to a full minute to turn on DS-101j Disk Station. To turn the machine off, press the Power button and hold for 4 seconds until the Power LED begins blinking and you can hear a beep. Then the shutdown process will complete in 30 seconds.



C. USB COPY button with LED -

The USB COPY button will light up when you plug in a USB device. Press this button and it will copy the data from the connected USB device to the DS-101j Disk Station's internal HDD.

D. USB ports –

The DS-101j Disk Station offers three USB ports for adding external hard drives, USB printers, or other USB devices. One USB port is on the front panel, and other two are on the back panel.

A. RESET button -

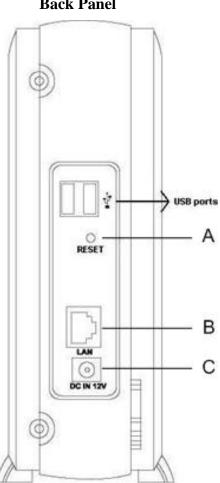
Pressing the RESET button can restore IP, DNS, and passwords for the "admin" and "guest" accounts.

B. LAN Port

The LAN port is where you plug the 2M RJ-45 LAN cable in.

C. DC IN 12V Port

The DC IN 12V port is where you plug the AC power adaptor.





2.2 Table of LED Descriptions

LED Indication	Color	Status	Description
Power	Blue	Blinking	 During System boot up During System shutdown
rowei	Diue	Solid Light	M/B is ready
		Light off	Power off
		Solid green Light	HDD capacity is not yet 85%
		Solid orange light	 HDD capacity between 85% - 95% New or non-DS HDD
Status	Green/Orange	Blinking orange light Rotating 5 sec.	 HDD capacity is over 95% HDD isn't in normal Condition While restoring factory default Bad disk format
		solid orange light & 5 sec. blinking orange light	No HDD
		Light off	During system boot up
HDD	Green	Blinking Light off	Read/write activities No read/write
		Light off	While connected to LAN
LAN	Green	Solid Light	cable
LAIN	UICCII	Blinking	While transferring data
		Light off	Disconnected

The table can help you get to how DS-101j Disk Station is working by LED status.

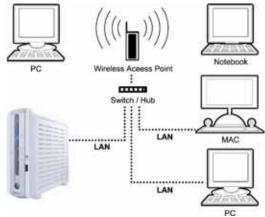
Chapter 3 Install your DS-101j Disk Station

3.1. DS-101j Disk Station Quick Installation

Step 1. Please check the following conditions for connecting DS-101j on the network.

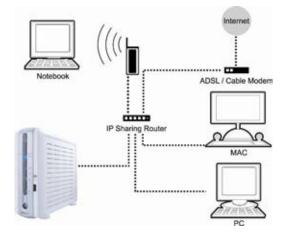
Condition 1, Office Network:

- 1. Connect the AC power adapter to the DS-101j Disk station, and plug the AC power cord into a power outlet.
- 2. Plug the RJ-45 LAN cable into the DS-101j Disk Station, and connect the other side of the LAN cable to your switch/hub/router.
- 3. Press the Power button to start the DS-101j Disk Station.



Condition 2, Home Network with IP Sharing:

- 1. Connect the AC power adapter to the DS-101j Disk station, and plug the AC power cord into a power outlet.
- 2. Plug the RJ-45 LAN cable into the DS-101j Disk Station, and connect the other side of the LAN cable to your switch/hub/router.
- 3. Press the Power button to start the DS-101j Disk Station.

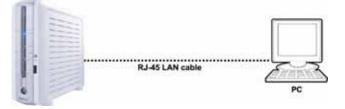


Condition 3, Home Network without IP Sharing:

- 1. Connect the AC power adapter to the DS-101j Disk station, and plug the AC power cord into a power outlet.
- 2. Without IP sharing, you need to install a router to set up the network first.
- 3. Plug the RJ-45 LAN cable into the DS-101j Disk Station, and connect the other side of the LAN cable to your switch/hub/router. (Please refer to the schematic as the above.)
- 4. Press the Power button to start DS-101j Disk Station.

Condition 4, Direct Connection:

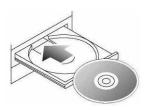
- 1. Connect the AC power adapter to the DS-101j Disk station, and plug the AC power cord into a power outlet.
- 2. Plug the RJ-45 LAN cable into the DS-101j Disk Station, and connect the other side of the LAN cable to your PC/notebook.
- 3. Press the Power button to start DS-101j Disk Station.



Step 2. Run the setup utility – DSAssistant

1. Insert the DS Resource CD into your PC's CD-ROM drive.

1) An auto-run menu should appear after a few



2-A Windows users:

seconds.	? ×
Synology	DISKSTATION
Setup Disk Station	A quick setup wizard will help you to setup Disk Station step by step
Disk Station Assistant	
🥝 Data Replicator	
🥖 Users Guide	
🤌 Exit	

2) If the auto-run menu does not appear, click Start button on the bottom left of the screen, and select Run. Enter D:\autorunmenu.exe (where D is the letter of your CD-ROM drive) into the Open window and click OK. The auto-run menu will appear soon.

3	Windows Update					
	WinZip					
-	Set Program Access and Defaults					
	Programs					
0	Documents	٠	Run			<u>?</u> ×
励	Settings	•	-	Type the name of a pro- Internet resource, and '		
2	Search	•			windows will open	
9	Help		Open:	D:\autorunmenu.exe		<u> </u>
<u>مر</u>	Run					
	Shut Down			OK	Cancel	Browse

3) After the above is done, refer to 4 to continue.

2-B Mac users:

Warning: DS-101jj Disk Station does not support installing on Mac OS 9.

1) Double click on the icon of CD-ROM.

2) Double click on the icon to open it and select the operation system you use.



3) Double click on *DSAssistant* icon to run the program.



4) After the above is done, refer to 3 to continue.

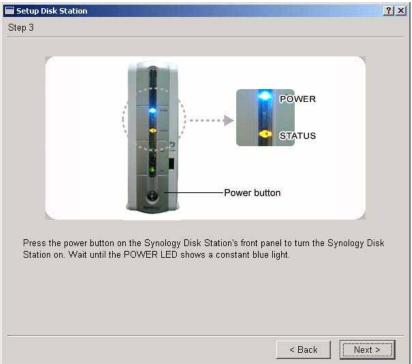
3. The setup of the DS-101j Disk Station is performed using the following steps: Please perform the following steps to complete the setup of the DS-101j Disk Station. Connect the AC power adapter to the DS-101j Disk station, and plug the AC power cord into a power outlet. Click Next to continue.



4. Plug the RJ-45 LAN cable into the DS-101j Disk Station, and connect the other side of the LAN cable to your switch/hub/router or PC/notebook. Click Next to continue.



5. Press the power button on the DS-101j Disk Station's front panel to turn the DS-101j Disk Station on. Wait until the POWER LED becomes solid in blue light. Click Next to run DSAssistant.



- DSAssistant will help you to finish the setup simply in a few clicks. If you want to set up more than one DS-101j Disk Station please set them up one by one.
- 7. DSAssistant will scan the network and list the system that is not configured yet. Click *Yes* to configure the system when the prompt dialogue pops up.
- 8. If you click *No*, then double-click the un-configured system and set it up.
- 9. Click Browse to input the path of the installation file (patch file). You may get the installation file from the DS Resource CD in the retail box, or from the Synology website.

10. Choose to set up the Disk Station step by step by yourself, or to complete the system configurations automatically using One-Click Setup. The wizard will then automatically assign a DHCP IP for the system.

elcome	
Synology	Welcome to the DS Wizard!
	Your Disk Station has not install any software. DS Wizard will help you install system software and complete the basic configurations.
	Please input the path of installation file.
and the second second	577SVnolody 1x042U Juniof/SVnolody 1x042U Junior bat browse
EN 1	37/synology_ixp420_junior/synology_ixp420_junior.pat Browse
12	· · · · · · · · · · · · · · · · · · ·
	Setup Mode
	Setup Mode

- 11. If you chose One-Click Setup, please refer to Step 17 to continue.
- 12. Enter a System name.

The default system name is DiskStation.

Enter a new system name if you want to change the default one, and click *Next* to go on. Keep the system name in mind for later use.

QDisk Station Assistant - DS Wizard	? ×
Enter system name	
Please enter the system name.	
System name: DiskStation	_
- Hint:	
Please enter the system name at this page and keep the name in mind. The system name may consist of letters, numbers, underscores and minus signs. The first character must be a letter. The system name is for identifying the system of the network. Besides, you also need to use it to access and manage Disk Station.	
< Back Next > Finish	Cancel

13. Enter the administrator's password (set the password by yourself) and re-enter to confirm it; then click Next to go on. Keep the password in mind for later use.

Q Disk Station Assistant - DS Wizard	? ×
Create password	
Please create the administrator's new password.	
Administrator's account: admin	
New password:	
Confirm new password:	
- Hint	
Please create the administrator's password at this page. Because only administrator is able to manage Disk Station, please keep in mind the password you setting up here.	
The maximum password length is 12 characters. Password content can be displayable characters, including letters, numbers, signs, white space, etc.	
< Back Next > Finish	Cancel

14. Now, select the network setting. You can get it automatically or you can set the IP manually. Then click Next to go on.

Get network configuration automatically (DHCP) (recommended) Use manual configuration IP address: Subnet mask: Default gateway:	
Use manual configuration IP address: Subnet mask:	
Subnet mask:	
Default gateway:	
DNS server:	
Hint:	
The suggested network settings is provided for Disk Station based on your curr network settings. Please follow our suggestions if you don't want to enter your network settings manually.	rent

15. Please select the time zone of your location. Then enter the date and time of the system. Then click Next to continue.

Q Disk Station Assistant - DS Wizard		<u>?</u> ×
Setup time		
Please select your time zone		
(UTC+08:00) Beijing, Chongqin	g, Hong Kong, Urumqi	•
Please enter system time		
Date:	2004/11/29	
Time:	13:52:52	.
_ Hint:		
Please enter the time zone and	I date/time of the system at this page.	
<	Back Next > Finish	Cancel

16. Check the settings again and if they are correct, click *Finish*.

ltem	Value	100
Install file::	//synostorage/DiskStation/Image_IXP425_Rele	
Administrator's password:	- ***	-
System name:	DiskStation	
DHCP:	Enabled	
Time zone:	(UTC+08:00) Taipei	
۹		١
and the second	ettings what would be applied to the system. If any se go back to the previous page to change it.	

17. Refer to the window to check progress.

🍳 Disk Station Assistant - I	DS Wizard	×
DS Wizard is finishing	the setup	
Statio 200	DS Wizard is applying the settings to the system. It may take dozens of minutes. Please wait 1. Set network settings 2. Format disk (1) Format system partition (1) Format data partition 3. Install software to disk 4. Write configurations Progress: Setting network settings	
	< Back Next > Finish Ca	ancel

18. While the HDD is being formatted, the POWER LED will start blinking again. Please wait until the POWER LED shows a constant blue light, and the STATUS LED a constant green light.

QDisk Station Ass	istant - DS Wizard shing the setup	<u>?</u> ×
	DS Wizard is applying the settings to the system.	
kSto	It may take a few minutes. Please wait	
O	m	
	< Back Next > Finish	Cancel

19. Congratulations! The DSAssistant setup has now completed successfully.

Step 3. You can start to use DS-101j Disk Station.

Welcome to use the DS-101j Disk Station; and you can start to store your data.

- 3.1. After the DSAssistant setup completed, please enter the administrator's password which you entered in 3-13, and you can start to use the DS-101j Disk Station.
- 3.2. The system will automatically display the mapped drive/volume (public share), at the end of setup.

			DISK <mark>(</mark> ST
System name DiskStation	IP address 192.168.100.11	IP status (DHCP)	System status System is ready.
The mapped n	s! DS Wizard has con etwork drive is [Y:].	npleted the ba	sic configurations.
	etwork drive is [Y:].	npleted the ba	isic configurations.
The mapped n	etwork drive is [Y:].	npleted the ba	isic configurations.

- 3.3. You can start to store your data to this drive/volume (public share.)
- 3.4. Other users on the same network can now start using the DS-101j Disk Station. (Refer to the 'Tips' at the following page.)

Step 4. Map drive of shared network folder that you will often access in the future.

Warning: Map drive function is for Windows only.

Mapping a shared folder as a mapped network drive makes it easy and quick to access the shared folder from My Computer on your desktop.

4.1. Choose your DS-101j Disk Station, and click Map Drive on the left side. The Map drive wizard will help you to connect a shared network folder and assign a drive letter to the connection so that you can access it through "My Computer" on your desktop later.

Q Disk Station Ass	istant			_ 🗆 🗙
Syno lo	gy		Assistant	DISK STATION
	System name	IP address	IP status	System status
💋 Search	DiskStation	192.168.100.11	(Manual)	System is ready.
 Manage Map Drive About 				
) Exit	Total 1 Disk Stati	on(s) found.		

4.2. Map drive wizard will list the shared network folders that you can access on the selected DS-101j Disk Station. Click on the folder you want to connect, and click Next to continue.

Synology	and assign a drive lett access it using [My C	help you to connect a shared folder er to the connection so that you can omputer]. der that you want to connect to:
	Shared folder	Network drives
	\\192.168.100.11\publ	lic
	\\192.168.100.11\phot \\192.168.100.11\web	

4.3. Enter a user name in Account column, and password in Password column. Click Finish to continue.

🔍 Map network drive			? ×
Map network drive			
Syno logy	following infor	t to connect to the network folder using mation. To connect as another user, e d password below.	55 M SC 150 (N
	Drive	B:	•
	Folder	\\192.168.100.11 \public	
	Account	admin	
	Password		
	₩ Reconnect	t at logon	
	< Back	Next > Finish	Cancel

4.4. You will see the following page if you map a network drive successfully. You can either enter the shared folder by clicking Finish button or through "My Computer" later on.

🍳 Map network drive		<u>?</u> ×
Map drive successf	ally	
Synology	Congratulation! You have successfully map a You can access it using [My Computer] from IV Open the mapped drive.	
	< Back Next > Finish	Cancel

3.2. Tips – Without DS Resource CD, you can also use and manage DS-101j easily with the following tips.

1. Copy or access data on DS-101j Disk Station from PC.

1.1 Click "Start" at the bottom. Select "Run" and click it.

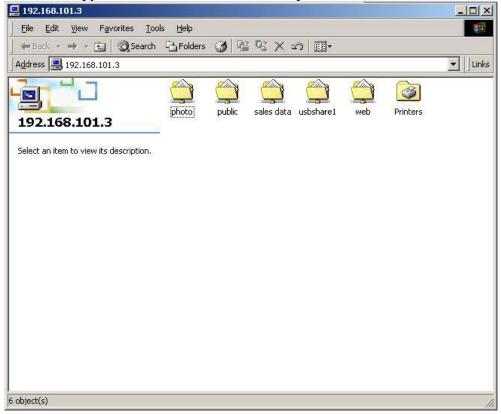


1.2 Enter "\\system-name" (type two backslashes followed by the system name; the system name should be the same as what you entered in 3-12; and if you didn't change the system name, please enter \\DiskStation) and click "OK" to open shares on DS-101j Disk Station.

Run			<u>?</u> ×
5	Type the name of a pro Internet resource, and		
<u>O</u> pen:	MDiskStation		•
	OK	Cancel	Browse

1.3 Then you can see all shares that can be used, including the public share.

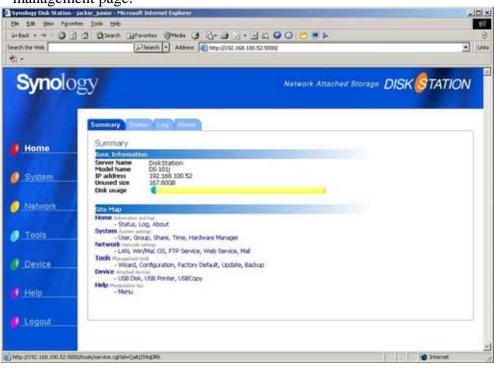
Access "public" and then you can start to use this folder. For example, you can copy some data and store it to this "public" folder.



- 2. Use Microsoft Internet Explorer to manage DS-101j Disk Station from PC or Mac.
 - 2.1 Open your Microsoft Internet Explorer. (IE 6.0 or above for PC, 5.2 or above for Mac.)
 - 2.2 Enter "http:// system-name:5000" (type two forward slashes followed by the system name; the system name should be the same as what you entered in 3-12. If you didn't change the system name, please enter http://DiskStaion:5000) and click "Go" button.
 - 2.3 Select "Login as system administrator" and enter the administrator's password (the password should be the same as what you entered in 3-13) and press "OK."

Synology	DIOXATION
	Network Attached Storage DISK STATION
Synology Disk Station Severices BakStation Synology Disk Station Severices BakStation Iden system admissibility (admin) Cogn with this account: Cog	web Service' page in the management UI to

2.4 Then you can start to manage your DS-101j Disk Station from the management page.



- 3. Use Microsoft Internet Explorer to change your user information on DS-101j Disk Station.
 - 3.1 Open your Microsoft Internet Explorer. (IE 6.0 or above for PC, 5.2 or above for Mac.)
 - 3.2 Enter "http:// system-name:5000" (type two forward slashes followed by the system name; the system name should be the same as what you entered in 3-12. If you didn't change the system name, please enter http://DiskStaion:5000) and click "Go" button.
 - 3.3 Select "Login with this account", and enter the user name and the password (the password would be the one assigned by the system administrator) and press "OK."

Synology Disk Station	jackie_junior - Microsoft Internet Explorer	the second s	
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4-Back - + - 0	A Starth Francis Stads 3	4. 🗃 🛛 . 🖃 🚉 😡 🔘 😁 🗮 🕨	8
Search the Web	PSearth - Address		· Unis
*			
Syno lo	gy	Network Attached Storage DISK	STATION
🥑 Login	Synology Disk Station Severtiene: BakStatien Markopenentk @ Logn as system administrator (admin) @ Logn with this account: Password: Enter		
	Vioto Station An auto-built service for you to have online *The service is disabled now. Please for enable it and read the tuition.	abums easily. gin the "Web Service" page in the management UI to	
	Web Station A single service for you to build a static we *The service is disabled now. Please for enable it and read the tuition.	ib site easily. gin the 'Web Service' page in the management UI to	
) Done		-10-10-10-10-10-10-10-10-10-10-10-10-10-	T Externet

3.4 Then you can view your account information on this Disk Station and modify it.

the Web	n - Address 🕷 http://142.168.100.52/5000
Synology	
Account Setup	
Account You can modify you LogoUt User name: User description: Password: Confirm password: Used capadity:	astword and other user information in this page. jackiechu jackiec.c.thu
	OK Cancel Help

Chapter 4 Manage your DS-101j Disk Station

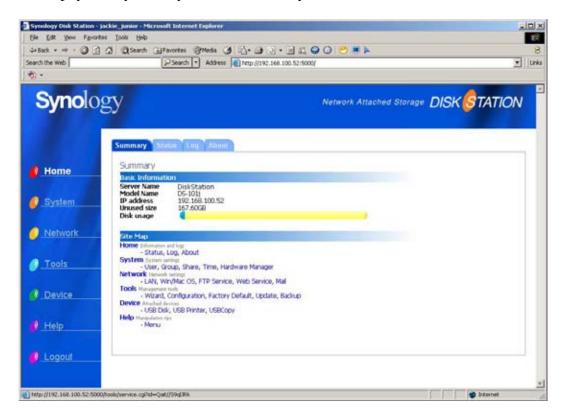


Please note that the DS-101j Disk Station only supports browser based management using Internet Explorer 6.0 or above for PC, 5.2 or above for Mac.

4.1 Home (Home Information)

1. Summary

In this page you can see the basic information of the system, including your server name, IP address, unused space, and disk usage. You can also see the clear sitemap shown in the middle of this page. By clicking an item listed in the sitemap, you may directly enter the section you want to visit.



2. Status

In this page you can see a summary of all system devices and their status. The information is only for your reference. You will not be able to do any modifications here. If you want to change any settings, please go to Wizard in Tools. (4.4-1)

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Synology		Network Attached Storag	DISK STATION
Home Summary Status			
System System System System Subnet mask DNS Default gateway Workgroup AppleTak Zone WDS server	10-13-11-11-11 192-168.20052 255-555.00 192-168.11 192-166.1.1 WCkradioc.# No zones are available «Nat Configureds		
Tools Tools True zone	<not configured=""> Tapel</not>		
Device Device You don't have any US	8 device plugged in now.		
Help Disk number Disk number Disk model Total size Disk usage	1 N.35L180AVV207-1 169.3500 1.02%		
Logout Used size: 1.7568	Second Sec	Unused size: 167.6068	
() Done		Help	ateret 2

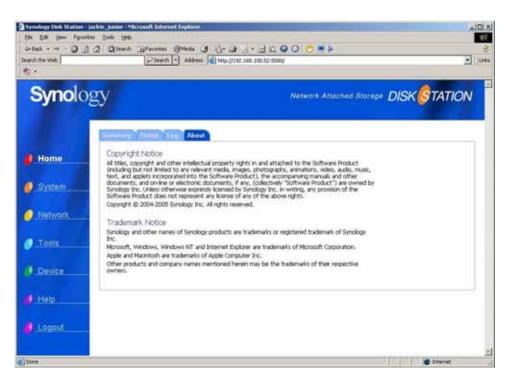
3. Log

In this page you can see five items, which are System log, Connection log, Current connection, Backup log, and USB Copy log. These five logs are just like a diary keeping a record of all the actions and events on the DS-101j Disk Station. In this way, you will be able to know what has happened on your DS-101j Disk Station by checking these logs, furthermore, you can also check the users who are now accessing the system resources.

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🔮 Home	View Logs		
System	System log Logs of operations and events. Connection log Logs of the connection information.		
Network	Current connection List the users who are now accessing the system.		
O Tools	Backup log Logi of operations and events of the backup.		
O Device	USB Copy log Logs of operations and events of the USB Copy.	Hatp	
🔮 Help			4
Cogout			
			*
Done Done		💕 Internet	

4. About

In this page we have put our Copyright Notice and Trademark Notice for your reference.



4.2 System (System Setting)

1. User

In this page you may add or remove users who can access the DS-101j Disk Station. A user account is assigned its name and password by the administrator. This password is used to obtain the data inside the shared folder. If a user does not have the proper user account credentials, they will be denied when accessing data.

Back • ⇒ • ② ⊡ △ ◎ chithe Web •	Search Add						I)/
Synology				Network Attach	ed Storage	DISK <mark>(</mark> \$TA	ATION
Home	Firmup Share Crime r Setup te a new user and assign the p e select users:						
System gue	in User n st User d Passwo	escription:	admin System default us	er.			
Tools		apacity: sable this accour	0.00M				
Device R	Create			OK Cance	Help		
Logout							

To create a new user

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Ne Anthre Seine Halut an Ferendi Control Contr
2 (Sect 1984)

Step 1 Click Create button to add a new user.

Step 2 Enter the name of the user in the **User name** column; this should reflect the user added.

Step 3 Enter the user's full name in the **User description** column. The user description will help to identify different users on the DS-101j Disk Station.

Step 4 Enter the user's password. The password is associated with the user. It can be up to 12 characters and can contain hyphens, spaces, and underscores.

Step 5 Re-enter the password for confirmation. The password can be changed at a later time by editing the user's settings.

Step 6 Click "**OK**" to apply all settings.

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2. Group

In this page you may classify users who can access to DS-101j Disk Station into groups. Setting up groups can help you assure data security. For example, a user group is a group of users with specific access privileges to a specific shared folder. You can create groups here as well. For example, a businessman may want to create an "Executive" group for adding all of its managers and supervisors to this group. This "Executive" group could have the access privilege to a shared folder that other regular staff cannot access to.

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Synclosy Network Attached Storage Disk Cration				8
System Network Onois Device Help		PSearch Address	ttp://192.168.100.52:5000/	- Links
Home Home System Network Tools Device Heip	· ·			
Group Setup System System Network Network Tools Device Help Create OK Cancel	Syno logy			ION
System Ellers Name: users O Network Description: System default group admin., guest, jackiechu admin., guest, jackiechu Tools Est Members Image: Device OK Cancel Hatp	Home Group	Setup s a collection of users who may have o		
Cescrpton: Fystem defaut group adsin, guest, jacktechu = Tools Device Remove Create OK Cancel Hetp			have a second se	
O Tools Member:: adisin, guest, jackiechu a Ø Tools Est Members Ø Device Remove Create Ø Help	System			
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To create a new group

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System		nkirpta	
And the sector	Perceto	gant, jackanto g	
		IN (SHOE) Head	

Step 1 Click Create button to add a new user group.

Step 2 Enter the name of the group in the Group name column; this should reflect the types of users added.

Step 3 Enter a description of the group added in the **Group description** column. The group description is used to identify different groups on DS-101j Disk Station. One brief sentence or phrase regarding the users inside of the group is suggested.

Step 4 Select the users in the **Not members** column to be added to this new group as its members. Users can be added or members can be removed to the group at a later time by editing the user group.

-

Step 5 Click "**OK**" to apply all settings.

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3. Share

In this page you may create folders so that you can store data on the DS-101j Disk Station via network. Meanwhile, you may also assign access privileges of users or groups on the local network. Access to shares can be controlled via Group and User permissions. By default, there are two shares called "public" and "usbshare" that cannot be deleted.

earch the Web) 🕼 QSearch 🗐 Fa	search - Address 💽 http	(1192.168.100.52.5000)	0 0 .			2 2 1/Un
Synolo	gy			Network Attact	ied Storage D	NSK <mark>(</mark> ØTA	TION
 Home System Network 	Share Setup Share is a place with	Share Time Thoreway nere users can store data thro na Mac [connect to server]. s: Share name: Description: User privileges:			(network		
O Tools							
Device Help	Remove	ate		OK Cance	Hetp.		
Logout							

To create a new share

Step 1 Clic	ck Create but	ton to add a	a new share.
-------------	----------------------	--------------	--------------

Synolo			Nonese Analysis DIS	KOTATION
Hann System	Swessey	ite (over care) (to over provide) Geographics	na di anti a di anti si stitulare (universi na di anti a di anti si stitulare (universi pre contro di anti anti anti anti	
Daries Helia			10 (1000) 1901	

Step 2 Enter the name of the share in the **Share name** column; this should reflect the purpose of shares added.

Step 3 Make some description about the share added in the **Description** column. The share description is used to identify different shares on the DS-101j Disk Station. One brief sentence or phrase regarding the use of the share is suggested.

Step 4 Click "OK" to apply all settings.

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	Bret Marine Barts (\$ 10+13 +		- 64
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Warning: Before you assign access privileges, please note two following points: If your account name is not on the user list, the system will automatically transform your account name into "guest". So that you won't be able to access the share folder, which was set to be accessed by some specific users or groups. Log On to Wind ona User name: public Password: Options >> OK 100 0 3 4 0 0 - 14 . 1.044 Synology Network Atlached Storage DISK STATION Hame System Utier detorio framerical. Netwark Confern plain Used capacity: C Disable the account Tools Device. Remove Craste OK Cancel Help Help Logout If you must assign privilege to secure shares, we strongly suggest you: Go to User in System (P. 41 in User's Guide) to change a. the password of guest. The proper password should be non-blank. b. Go to User in System (P.41 in User's Guide). Select "guest" and check the box in front of Disable this user. Then click OK to apply the setting.

To assign privileges of users and groups to access shares:

Step 1 Click **Edit** to turn on users or groups permissions. By assigning different access privileges you have the ability to secure a share.

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Synolog	У	himant Atlanter Direge DISK	TATION
Ø Hann Ø System	Store Set p Store Set p store a store when set or yes due to store set dense set set set set set set set s	and the second sec	
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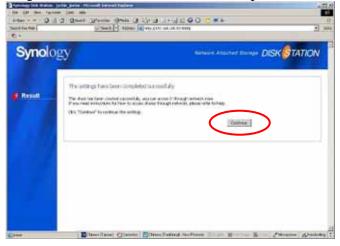
Step 2 You can assign different privileges to users or groups. There are three kinds of privileges which are No access (NA), Read only (RO), and Writeable (RW). Click on the users or groups you want to assign privileges to.

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Step 3 Click the privilege button you wish to assign to the users or groups you chose in the previous step, and click **OK** to apply all setting.

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Synology		
	Ann Suite - Lee privieges See terre John Ner Man Lee Polymers Maria - Constant Maria - Cons	San
1.100 C	Direction: g	an Single 1 of Sup 2,100 t

Step 4 Click **Continue** button to complete the settings you made.



4. Time

In this page you may set up time. The time must be set to work on exact schedule and maintain proper logs. Choose the time zone first so the DS-101j Disk Station can configure the time correctly. You can either set the proper time and date manually or connect to an NTP (Network Time Protocol) time server. The server will help you to set up the time automatically.

NTP (The Network Time Protocol)

NTP time server is widely used in the Internet to synchronize computer clocks to a standard time. There are several suggested NTP time servers for Windows clients as follows. You may also go to

http://www.eecis.udel.edu/~mills/ntp/servers.html for more information about NTP time server.

time.apple.com

time.asia.apple.com

time.euro.apple.com

time.nist.gov

time.windows.com

Search the Web	es jook (540)
Synolo	
🕴 Home	Used Group' Share Time Hanager Time Set the system time. The current system time is fit Sep 9 23-48:13 2005
🥑 System	Time zone: (cont+on:co) Taipei
Network	C Enable network time synchronization (optional) Period:
O Tools	Network time servier:
Jevice	Set system date and time Year: 2005 Month: 09 Day: 09
🔮 Help	Hour: 23 Minute: 48 Second: 13 Second: 13
Logout	OK Cancel Help

5. Hardware Manager

In this page we provide three services.

Power Recovery

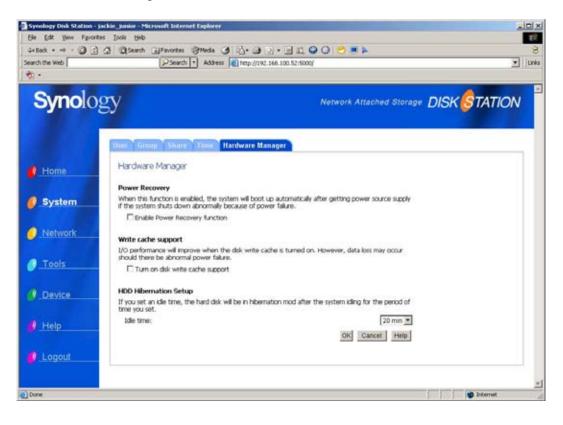
Check the checkbox to enable the Power Recovery function. The system will boot up automatically when power is supplied after the system shuts down abnormally because of power failure.

Write Cache Support

Check the checkbox to turn on disk write cache support. Disk write cache is only effective on the hard disks that support it. I/O performance will improve when the disk write cache is turned on. However, data loss may occur in the event of abnormal power failure.

HDD Hibernation Setup

This function allows you to set the length of time the DS-101j Disk Station will wait before putting the internal HDD into sleep mode. The DS-101j Disk Station will start the HDD again when it is accessed.



To set up the time

Step 1 Click the Idle time column, and select the time you wish.

Step 2 Click OK to apply all setting.



4.3 Network (Network Setting)

1. LAN

In this page you will have to enter a server name for identifying the system on the network.

Below this you need to choose an IP setting. By default, the DS-101j Disk Station will attempt to obtain an IP address from a DHCP server. If there is no DHCP server available you can assign an IP manually based on your network environment.

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Search the Web		Map://192.168.100.52.5000		• Link
-				
Syno lo	gy		Network Attached Storage DISK	TATION
	LAN Win:Mac 05 FTP Service	Web Service Mail		
Home	LAN Setup Enter a name for identifying the system		60)	
System	Server Name:	DiskStation		
	IP settings.			
Network	Get network configuration a	automatically (DHCP)		
	C Use manual configuration			
O Tools	IP address:	192.168.100.52		
	Subnet mask:	255.255.0.0		
Device	Default gateway:	192.188.1.1		
	DNS server:	192.168.1.1		
🔮 Help			OK Cancel Help	
Logout				
Done) Internet

2. Win/Mac OS

In this page, the setting of Workgroup or AppleTalk Zone allows you to access the DS-101j Disk Station through "My Network Places." Workgroups and Zones are used to organize networks. A Workgroup is a collection of Windows computers on the same network; a Zone is a logical grouping unit of all devices on an Apple Network.

If you want the DS-101j Disk Station to be browsed through "My Network Places" then it needs to be placed in the same Workgroup as the PC's on the network. The same is true for Macs needing to be in the same AppleTalk Zone. We suggest you do not change the encoding setting selected automatically by the system. For the system will select the according code page by itself. We'll explain Workgroup, AppleTalk Zone, and Encoding in detail on the next page.

th the Web	Search • Ad	dress 👔 http://192.168.101.21.5000/
Syno lo	gy	Network Attached Storage DISK STATION
	LAN Win Mac OS FIESe	wice Web Service Mail
Home	WinyMac OS Windows/Mac OS users may loca settings should be properly confi	te Disk Station on the network via the information listed below. These gured; otherwise users can not access the system correctly.
System	Windows Network	
Network	Workgroup: W2%5 server:	WORKSROUP
Tools	Apple Network AppleTalk Zone:	<tab are="" available="" zones=""></tab>
Device	Encoding	
	code page:	Traditional Chinese (Code Page 950)
Help		OK Cancel Hetp

Workgroup

A Workgroup means a collection of computers that are under the same network; setting workgroups allows you to manage network access easily. You can determine the Workgroup and WINS server IP.

** WINS (Microsoft Windows Internet Name Service)

WINS is a Net BIOS name-to-IP-address mapping service, so it is easy for Windows users to configure and register their DS-101j Disk Station through TCP/IP with a WINS server.

AppleTalk Zone

An AppleTalk Zone is a logical grouping of devices in an Apple Network. You can select the Zone or the DS-101j Disk Station will join the default Zone automatically if an AppleTalk Zone is configured.

Encoding

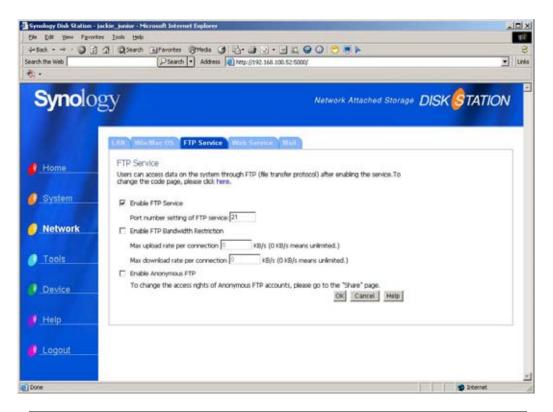
Choose the appropriate encoding from the drop-down menu, so even if your PC doesn't support Unicode, you can still access the device and see all information in the correct language.

** If only the local language is used in your working environment, there is no need to change any code page settings, just load its default. For example, if the local language is English, and all files or folders are named in English as well, then it is unnecessary to change any code page settings, just follow its default.

** If it is needed to recognize a non-English local language, it is suggested to select the local language character encoding.

3. FTP Service

DS-101j Disk Station offers a facility for downloading or uploading all kinds of data easily and efficiently using Microsoft Internet Explorer 6.0 or above. This page allows you to control whether the FTP service is available. Check the "Enable FTP Service" checkbox and click "OK". Users are required to enter their passwords before they can start to use the FTP service. If you want to grant access rights to anonymous users, check the "Enable Anonymous FTP" checkbox and click "OK". System administrators should later go to System-Share to grant the access rights to the user "Anonymous FTP". You can also set the bandwidth for uploading or downloading data from the FTP site. Check the "Enable FTP Bandwidth Restriction" checkbox, enter the transfer rates you wish, and click "OK". If you set the transfer rate to 0, the bandwidth will be unlimited.





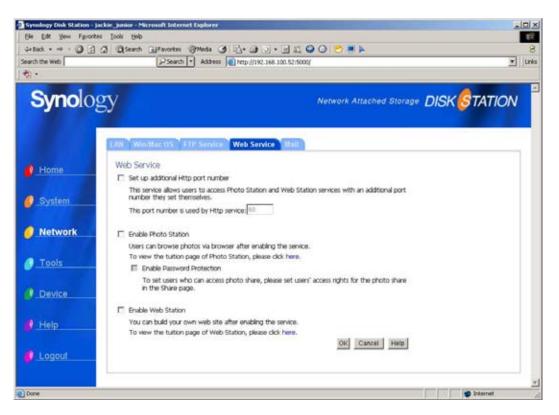
The FTP service does not support Unicode. Before enabling the FTP service, please set the encoding in accord with your client PC. Click here in the middle of the page, and the page will jump to the previous one (Win/ Mac OS). You may then select the code page you need.

Systems that support Unicode: Windows 2000 or later

4. Web Service

DS-101j Disk Station offers Synology Photo Station as an online album, and Synology Web Station as a web server. The Synology Photo Station is an autobuild service that will generate image files automatically, allowing users to easily create online albums. The Synology Web Station is a simple service for building a static web site easily with .html files.

This page allows you to set the port numbers for accessing Photo Station and Web Station and to control the availability of these two functions. Check the "**Enable Photo Station**" checkbox and click "**OK**". Users can then browse photos on the DS-101j Disk Station through Synology Photo Station. If you want to allow access rights to specified users only, check the "**Enable Password Protection**" checkbox and click "**OK**". Users must have "**readable**" permission to "**photo**" share, and are required to enter a user name and password before they can log in to Synology Photo Station. Check the "**Enable Web Station**" checkbox, and click "**OK**". The web site can then be browsed through the Internet.



5. Mail (E-mail Notification)

In this page you may enter your e-mail address. The DS-101j Disk Station will send e-mails to notify the administrator when any important and critical events or errors occur. Please enter the SMTP server and assign up to 2 e-mail addresses for getting the notifications.

SMTP (Simple Mail Transfer Protocol)

Most e-mail system that sends mail over the Internet use SMTP to send messages from one server to another. In addition, SMTP server accepts mail from the system and forwards them to their destinations.

Search the Web	Search 🔹 Address 👩 http://	92.168.101.21.5000/	• Unis
Syno lo	gy	Network Attached Storage DISK 🕏 TA	
 Home System Network 	LAN WorkMac 05 FTP Service Web S Mail The system will send you an e-mail when any eve SMTP server: Primary e-mail address: Secondary e-mail address: Secondary e-mail address:		
Tools Device Help Logout			

4.4 Tools

1. Wizard

In this page the Wizard will guide you through setting up the DS-101j Disk Station step by step. Click on the Run Wizard button to go through the settings.

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Synology	
Home Setup V	
	ed will help you configure the back settings of the instem in a few steps. The settings et unit you clock the (firsh) future in the list page ed] to start and follow the instructions on each page to complete the settings.
Network	Rut WESH
Device	
d Help	
Logout	
Dure	

Step 1 System Setting. You will need to confirm your server name and your password. Click **Next** to continue.

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Step 2 LAN Setting. You will need to choose whether you want to get the IP directly from a DHCP server or manually. Click **Next** to continue.

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J Tools		Die Net Ed Here	
J.Device	-		
Ø Help			
Logout			
Done			Diamat (

Step 3 Time Setting. You will have to select the time zone of where you are, and set up the time of the DS-101j Disk Station. Click **Next** to continue.

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Step 4 You will need to set up the workgroup and code page. After going through all the steps, click **Finish** to apply all settings.

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Jools	Encoding setting: code page	Traditional Chinese (Code Page 955 2)	
Help Logout			Li Sanat (

It will take some time to apply settings you made. Please wait.

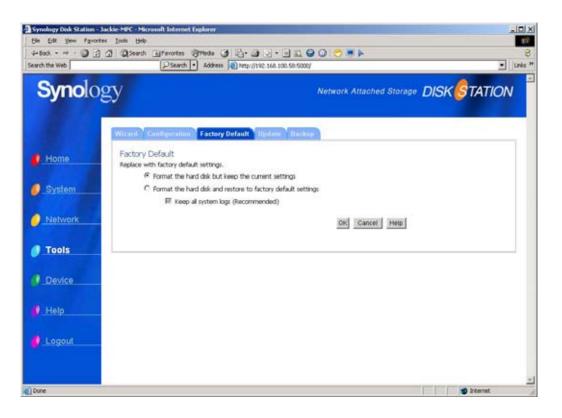
2. Configuration

In this page you may backup the system setting, and restore the system setting in the future. You can backup the system configuration (not data; to backup data, please refer to "Backup.") and save it as a .dss file, or you can also restore the configuration from a selected .dss file.

Synology Dick Station - Ele Edt Sew Fgrori	Jackie-MPC - Microsoft Internet Explorer tes Tools Heb		
) A QSearch Afevortes Briede 3	23+ 22 ·	e Linis **
Syno lo	gy	Network Attached Storage DISK 67	TATION
	Warant Configuration Tacanty	Défault Update Backup	
Home	Configuration Backup / Restor You can backup the system configurate @ Backup system configurate	ion or restore all your settings via a .dis file.	
🕖 System	Backup the system con C Restore system configuration	figuration as a .dss file.	
Network	Overwrite conflicte Please enter a backup t		
O Tools		OK Cancel Help	
Device			
🧳 Help			
🔮 Logout			
			1
Done			iterret A

3. Factory Default

In this page you may replace all the system settings with factory default settings. However, you can choose if you want to keep the current settings or restore back to the original factory settings when formatting the HDD.

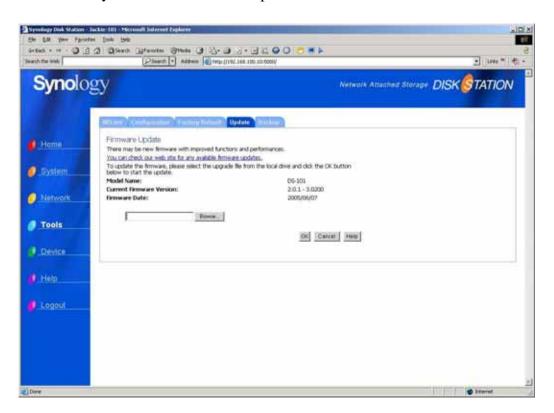


4. Update

By connecting to Synology Website, you can check if the current firmware is the updated one; if it's not, you can also link to Synology Website to download the latest version and update it from this page.

To update the firmware of the DS-101j Disk Station, please perform the following steps.

- Enter the management User Interface of the DS-101j Disk Station. Go to Update in Tools. You may get the firmware version of this DS-101j Disk Station.
- 2. Go to **Download** at <u>http://www.synology.com</u>. Here you may see the latest firmware version for the DS-101j Disk Station.
- 3. If you want to update the firmware of the DS-101j Disk Station, download the firmware version from the web site to your local drive.
- 4. Enter the management User Interface of the DS-101j Disk Station. Go to **Update** in **Tools**. Click the **Browse** button and select the upgrade file from the local drive, and click **OK**.



5. The system will then start to update the firmware.

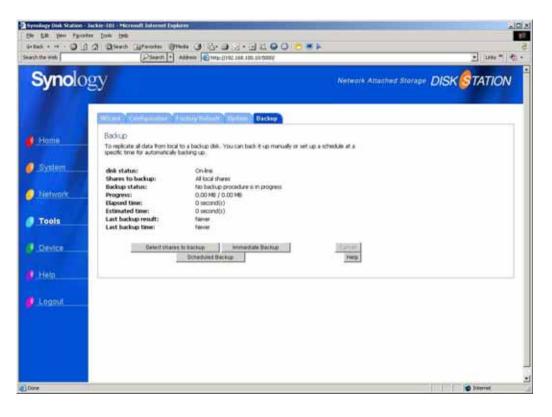
5. Backup

This page allows the DS-101j Disk Station's data to be backed up to an attached USB HDD. Backing up data is important in the event that the DS-101j Disk Station is being damaged. Without backing up, you will have the risk of losing data if a catastrophe happens.

To do data backup, please plug in a USB HDD, and read the following 4.5-1 USB Disk to format your USB HDD first.

	ie-101 - Herouel Infernet Englanes		aldi X
	25auch (grawtes Oreas () 3- 3 - 3 4 0 0 0 ***		8
Search the web	Sama 4 anti 1147 rev 110 10 0000		- 1000 **
Synolog	У Netw	ork Attached Storage	DISKSTATION
	Concernity Construction of Concerning Second Concerning Concerning		
. Home	Backup To replicate all data from local to a backup deli. You can back it up manually or set up a schedule at a specific time for automatically backing up.		
Ø System	The backup procedure could not be proceeded without a facture disconnected. Rease plug in a re- backup disk or breater a new one in page [Severa -> Util Das].		
Network	100		
Ø Tools			
Ø_Device			
Ø Help			
Dogout			
			_
Done			• biteret

After the USB HDD is formatted for data backup, you will see the page below. You can select shares you want to backup first and then choose whether to backup immediately, or to set a time so that the data will be backed up according to a schedule.



4.5 Device (USB Settings)

1. USB Disk

An attached USB disk can be configured as an additional shared folder. If the USB disk is setup as a backup disk, it cannot be shareable and accessible. As a USB backup disk, the DS-101j Disk Station will format the attached USB disk.

	Search • Address	http://192.168.101.3/5000			- 10
Synology			Network Attached S	torage DISK 🔗 TATIO	N
USD	Disk USB Printer USBCopy				
Home Sele	Disk Manager It the USB disk you want to manage matically when you plugged in.	You can access the USB da	k through its share which crea	ted	
<u>System</u>	9 Desk 1 Sihar Mare Devis Type	facturer: e:	usbshare1 JMTek, LLC. USBdsk USB 1.1		
Network	Used File S State	ystem Type:	38/55 MB FAT Normal		
Tools Pres	the [Format] button only if you wa	it to reformat the USB disk.			
Device	Format Format		H	ep	
Help					
Logout					

** The information of all USB devices currently connected to DS-101j Disk Station (including the share name, manufacturer, device, type, used size, format type, and the present status) will be automatically detected and shown in this page. It may be necessary to press refresh button when new USB devices are connected.

DS-101j Disk Station will format the attached USB disk.

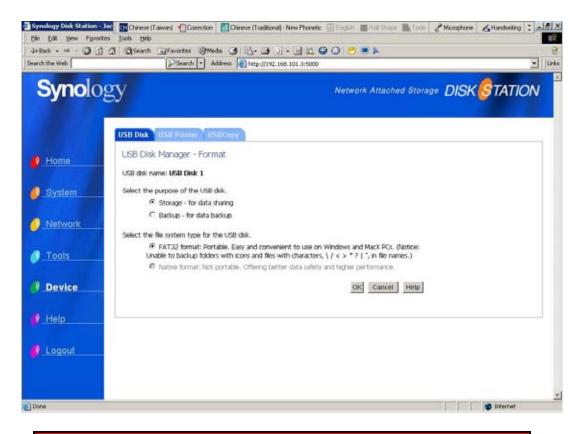
- ** In the following situations the Format button will not work.
- (a) the USB disk is being initializing at the moment you plug in the USB disk.
- (b) the USB disk is being formatting.
- (c) the system is backing up files to the USB disk.
- (d) the USB disk is damaged.

You can either store data you want to share with others to the USB disk or backup data to it.

Connecting USB disks to DS-101j Disk Station will enlarge the capacity of the DS-101j Disk Station. The data on the USB disk can be shared if the name of the data starts with "usbshare." This share will be removed automatically when the USB disk is ejected from the system.

USB Disk Formats

There are two different types of format for you to choose, FAT32 and Native format. FAT32 is a format you can use with all Windows PC and Mac that runs Mac OS X. On the other hand, Native format is the most reliable type for keeping all data from losing. However, it will only be recognized by DS-101j Disk Station. After the USB HDD is formatted, please go back to Step 4.4-5 Backup to do data backup.

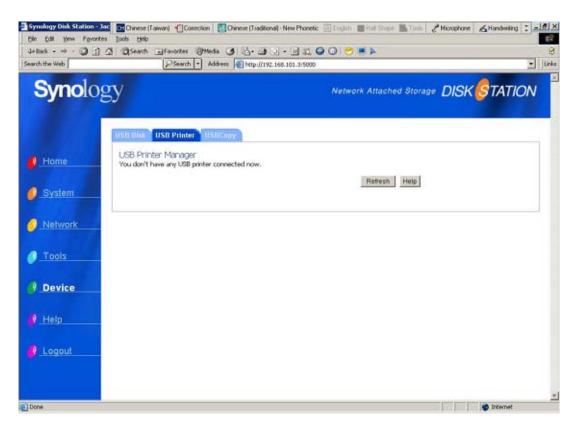




Warning: DS-101j Disk Station does not support using a hub for connecting any storage devices. If you try to connect an USB disk by a hub, the system won't be able to recognize the USB disk and the USB disk cannot be used.

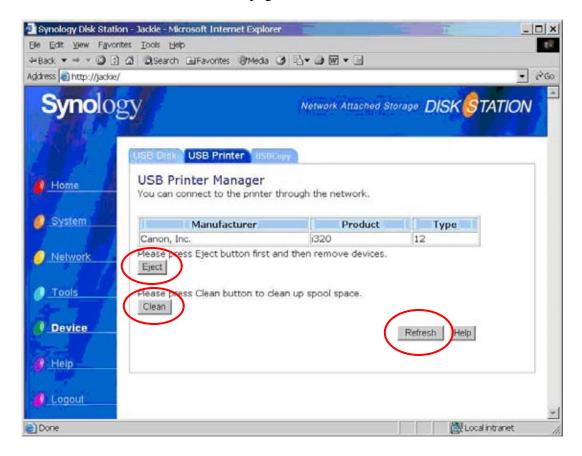
2. USB Printer

You may see this page before you plug in your USB printer.



An USB printer can be used if you connect it with a hub. For more instructions for using a USB shared printer, please go on to the next page.

By connecting a USB printer to DS-101j Disk Station, you will be able to share the USB printer through the network. Click Refresh button and USB printer status will become active as shown in the page below.



Refresh the USB printer status

Click Refresh for updated status of the USB printer.

Eject the USB printer

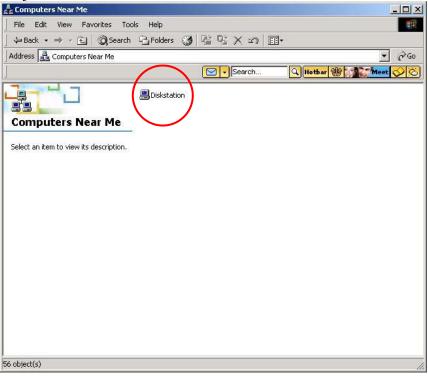
Please remember to always click Eject button, before you remove the printer.

Clean up the printer spool space

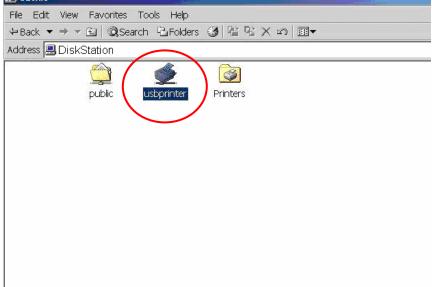
Click the Clean button when you want to clean up the printer spool space.

Steps for setting up USB printer in Windows

1. Open **Computers Near Me** in **My Network Places** and double click on your DS-101j Disk Station.



2. Double click on **usbprinter**; the system will prompt you to install a correct driver.



3. Click Finish when the setup is done. Then you may start using the printer.

Steps for setting up USB printer in Mac OS 10.2.X running AppleTalk



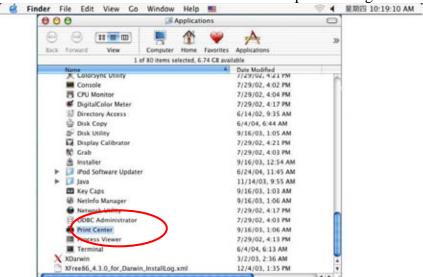
Warning: For Mac users, DS-101j Disk Station only supports USB printers with PostScript.

1. Follow the path as Go / Applications / Utilities.



00	Applica Applica	tions	C
		Q-local disks	
	Name	A Date Modified	Size
Network	Address Book	Aug 6, 2004, 8:48 AM	
Mac X 1	AppleScript	Aug 6, 2004, 8:34 AM	
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Build Mac	- Chess	Aug 6, 2004, 8:39 AM	
Dulla Mac	DVD Player	Aug 6, 2004, 8:46 AM	
Test Mac	(%) Font Book	Aug 6, 2004, 8:34 AM	
in the second	🔨 iCal	Sep 13, 2004, 2:11 PM	-
Janap 10	🥦 iChat	Aug 6, 2004, 8:55 AM	
	Image Capture	Aug 6, 2004, 8:50 AM	-
Data	Internet Connect	Aug 6, 2004, 8:42 AM	
	(I iTunes	Sep 13, 2004, 2:10 PM	
non_use1	😹 Mail	Aug 15, 2003, 3:00 AM	
	Preview	Aug 6, 2004, 8:41 AM	
non_use2	Q QuickTime Player	Aug 6, 2004, 8:37 AM	
0.00000000000	😁 Safari	Dec 6, 2003, 4:00 AM	
Desktop	A Sherlock	Aug 6, 2004, 8:52 AM	
Desktop	Stickies	Aug 6, 2004, 8:33 AM	
mac	System Preferences	Aug 6, 2004, 8:44 AM	
	TextEdit	Aug 6, 2004, 8:34 AM	1
Applicati	🕞 📁 Utilities	Yesterday, 11:00 AM	
Docume Movies Music Pictures			
	1 of 20 selected, 6.89		

2. Find **Print Center** and double click on it to open a dialog box.



3. Select Add to set up a new printer.

000	Printer List	0
Make Default	Add Diete Utility ColorSync Show Info	
In Menu Name	Add A Status Kind	Host
		11

Name Wame HP LaserJet USB HP LaserJet EPSON AppleTalk OLD-FIADS EPSON FireWire Printer-DS EPSON USB Printer-DS_+ FAXstf Characte Lexmark Inkjet Networking	 					
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(carter) (mag	Printer Model:	Auto Select	Ada	-		

4. Select the correct server and choose the type AppleTalk

000	4	Printer List		C
4	0	AppleTalk	•	
Make 1 Men	[1	ocal AppleTalk Zone	•	
2	Name		Туре	
	DS-FTP		PostScript Printer	
	HP LaserJet 40	50 Series	PostScript Printer	
	HP LaserJet 40	50 Series 1	PostScript Printer	
	OLD FIADS		PostScript Printer	
	Printer-DS		PostScript Printer	
	Character Set:Chir	nese (Traditional)		
	Printer Model:	Generic	•	
		E	Cancel Add	1
	and the second second second	Generic		

5. Select Generic for Printer Model.

	Printer List	 A) Date Medifier 		
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Make Default	Add Delete	Utility Color	Sync Show Info	
WARE DEFAUR		a sum-1 in suscess		1
In Menu Nam		A Status	Kind	Host
In Menu Nam	e Printer-DS	Status Status	Kind Generic PostScr	

Steps for setting up USB printer in Mac OS 10.2.X running TCP/IP

1. Follow the path as Go / Applications / Utilities.





- 2. Find **Print Center** and double click on it to open a dialog box.

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		1 💚	A	20
ack Forward View	Computer I	Home Favorites	Applications	
	1 of 80 items sele	cted, 6.74 CB avail	lable	
Name		*	Date Modified	1.
K Coldrsyne Utility			//29/02, 4:21 PM	10
Console			7/29/02, 4:02 PM	
CPU Monitor			7/29/02, 4:04 PM	
DigitalColor Mete	r		7/29/02, 4:17 PM	
Directory Access			6/14/02, 9:35 AM	
Disk Copy			6/4/04, 6:44 AM	
Disk Utility			9/16/03, 1:05 AM	
Display Calibrator	r		7/29/02, 4:21 PM	
NO Grab			7/29/02, 4:03 PM	
installer			9/16/03, 12:54 AM	
▶ 🗾 iPod Software Up	dater		6/24/04, 11:45 AM	
► 🚺 Java			11/14/03, 9:55 AM	
E Key Caps			9/16/03, 1:03 AM	
W Netinfo Manager			9/16/03, 1:06 AM	
Network Utility			7/29/02, 4:17 PM	
ODBC Administra	tor		7/29/02, 4:03 PM	
🚔 Print Center)		9/16/03, 1:06 AM	
Process Viewer			7/29/02, 4:13 PM	
III Terminal			6/4/04, 6:13 AM	
X XDarwin			3/2/03, 2:36 AM	
Tree86_4.3.0_for_Da	win_installLog.xr	lim	12/4/03, 1:35 PM	
				3414 2

3. Select **Add** for setting up a new printer.

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Make Default	Add Device Utility ColorSync Si	f) how Info
In Menu Name	Add Actatus Kin	d Host
		1.

4. Choose the type **IP printing**.

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1		1			
-	IP Printing			tion	Jobs
Name	Rendezvous	-			
HP LaserJet	USB	printer	6		
HP Lasedet+	EPSON AppleTalk	printer	m		
OLD-FIADS	EPSON FireWire	printer			
Printer-DS	EPSON USB	printer			
Printer-DS.4	FAXstf	printer			
Churacte	Lexmark Inkjet Networking	-	_		
Printer Model:	Generic		•		
	Cancel	Ad	•		
		_	_		
	HP Laserjet OLD-FIADS Printer-DS Printer-DS, Characte	Nume Rendezvous HP Laserlet USB HP Laserlet EPSON AppleTalk OLD-FIADS EPSON FireWire Printer-DS EPSON USB Printer-DS: FAXstf Charaste Lexmark Inkjet Networking Printer Model: Generic	Directory Services IP Printing Rendezvous US8 printer HP Laserjet HP Laserjet DLD-FIAB EPSON AppleTalk EPSON AppleTalk EPSON FireWire Printer-DS EPSON US8 Printer-DS FAXstf Characte Lexmark Inkjet Networking Printer Model: Genetic	Directory Services P Printing Rendezvous US8 HP Laserlet US8 Printer PLaserlet EPSON AppleTalk printer Printer-D5 EPSON US8 Printer-D5 FAXstf Churacte Lexmark Inkjet Networking	Directory Services IP Printing Rendezvous US8 HP Laserjet HP Laserjet Printer-D5 Printer-D5 Printer-D5 Characte Lexmark Inkjet Networking Printer Model: Genetic

- 5. Enter the printer's address.
- 6. Uncheck Use default queue on server, and enter 'usbprinter' for Queue Name.

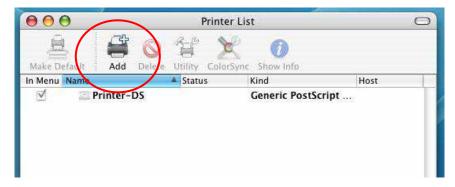
Back Form		30
Notes	1 of 80 mems selected, 6.74 CR available A Page Modulat Printer List	
<u>B</u>	IP Printing	
Make Default	(a reality)	tion Jobs
	Incomplete or invalid address. Use default queue on server Queue Name: usbprinter Printer Model: Ceneric	
	(Cancel)	bd

7. Select Generic for Printer Model.

000	1		Printer List		10
Hute Default	(IP	Printir	ng 🚺		
Favorite Name				Bion	jubs
	Printer's Ade	dress:	DiskStation		
	Internet address or DNS	name		3e	
			incomplete or invalid address.		
	Use default o	ueue d	on server		
	Queue Name:	usbp	rinter		
			in Select		
	Printer Model:	¥ Ge	neric		
		00	No. 1		
			ple)	
			ather		
		ESP			
			cmark		
			ktronix		
		Xer	rox		

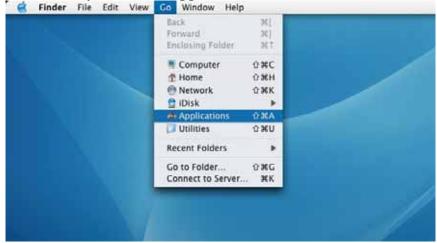
8. Click Add to finish.

Synology DS-101j

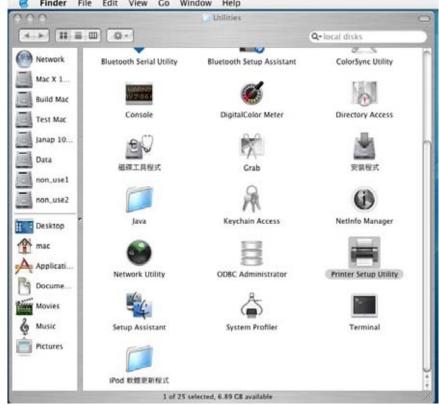


Steps for setting up USB printer in Mac OS 10.3.X running AppleTalk

1. Follow the path as Go / Applications / Utilities.

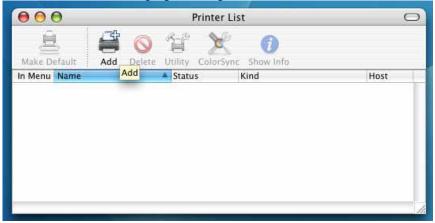


Network Mac X 1 Build Mac	*	Q+ local disks Date Modified Aug 6, 2004, 8:48 AM	Size
Mac X 1 Build Mar	*		Size
Mac X 1 AppleScript Calculator Build Mac		Aug 6, 2004, 8:48 AM	
Mac X 1 Calculator			
Build Mar Chess		Aug 6, 2004, 8:34 AM	
Resid Mar		Aug 6, 2004, 8:38 AM	
		Aug 6, 2004, 8:39 AM	
DVD Player		Aug 6, 2004, 8:46 AM	**
Test Mac () Font Book		Aug 6, 2004, 8:34 AM	**
🗇 iCal		Sep 13, 2004, 2:11 PM	
Janap 10 🥵 iChat		Aug 6, 2004, 8:55 AM	
🕼 Image Capture		Aug 6, 2004, 8:50 AM	
Data 🔮 Internet Connect		Aug 6, 2004, 8:42 AM	
ITunes		Sep 13, 2004, 2:10 PM	
non_use1 🐘 Mail		Aug 15, 2003, 3:00 AM	
Preview		Aug 6, 2004, 8:41 AM	
non_use2 QuickTime Player		Aug 6, 2004, 8:37 AM	
i Safari		Dec 6, 2003, 4:00 AM	
Desktop		Aug 6, 2004, 8:52 AM	
Stickies		Aug 6, 2004, 8:33 AM	
mac System Preferences		Aug 6, 2004, 8:44 AM	
🗇 TextEdit		Aug 6, 2004, 8:34 AM	
a Applicati 🔰 🚺 Utilities		Yesterday, 11:00 AM	
Docume Movies Music Pictures			



2. Find the **Printer Setup Utility**, and click it to open a dialog box.

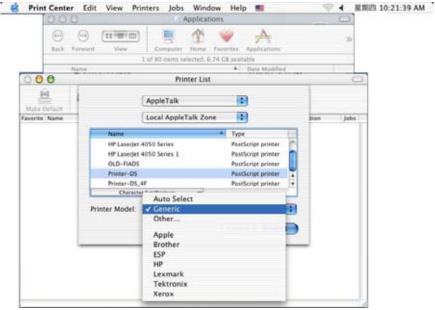
3. Select Add for setting up a new printer.



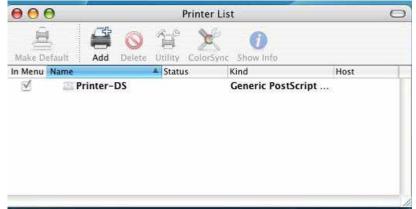
4. Choose AppleTalk.

	✓ AppleTalk		
	Directory Services		
	IP Printing		
Name	Rendezvous	-	1
HP LaserJet	USB	printer	F
HP LaserJet	EPSON AppleTalk	printer	ſ
OLD-FIADS	EPSON FireWire	printer	
Printer-DS	EPSON USB	printer	
Printer-DS_4	FAXstf	printer	
Characte	Lexmark Inkjet Networking	-	
Printer Model:	Auto Select		+

- 5. Select the correct server.
- 6. Select Generic for Printer Model.

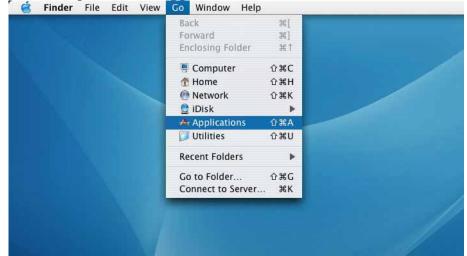


7. Click Add to finish.

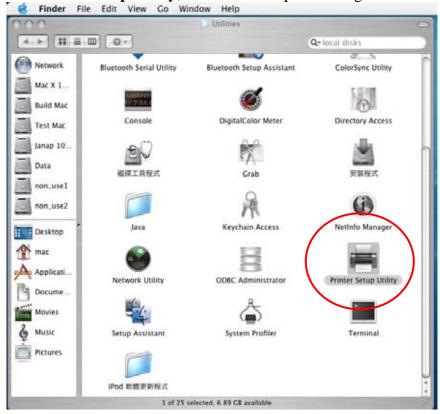


Steps for setting up USB printer in Mac OS 10.3.X running TCP/IP

1. Follow the path as **Go** / **Applications** / **Utilities**.

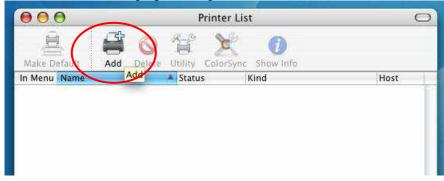






2. Find **Printer Setup Utility**, and click it to open a dialog box.

3. Select Add for setting up a new printer.



4. Choose **IP Printing**.

000		Printer List			1	
Maile Default		✓ AppleTalk Directory Services	1			
Favorite Name		IP Printing			tion	Jobs
	Name HP Laserjer	Rendezvous USB	printer	H		
	HP Lavedet	EPSON AppleTalk EPSON FireWire	printer printer			
	Printer-DS	EPSON USB	printer	1		
	Printer-DS, 4 Characte	FAXstf Lexmark Inkjet Networking	printer	·		
	Printer Model:	Generic	-			
		Cancel				

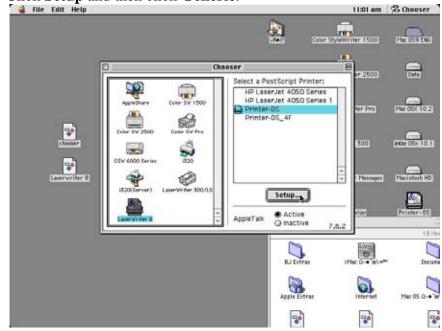
- 5. Select **LPD/LPR** for Printer Type.
- 6. Enter the printer's address.
- 7. Enter '**usbprinter**' for Queue Name.
- 8. Select Generic for Printer Model.

00	9	Printer List	0
Make		IP Printing	
In Men	Printer Type:	LPD/LPR	
	Printer Address:	192,168.100.32	
		Complete and valid address.	
	Queue Name:	usbprinter (\$	
	Printer Model:	Ceneric 🛟	1
		Cancel Add	*

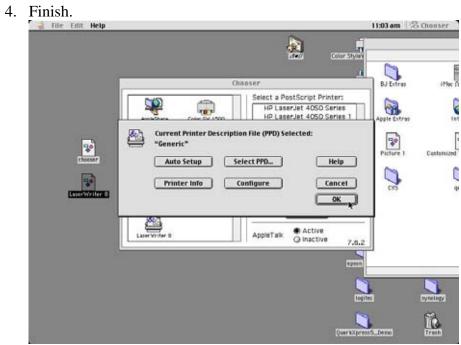
9. Click Add to finish.

Steps for setting up USB printer in Mac OS 9 running AppleTalk

- 1. Click on **Chooser**. File Edit View Special Help About This Computer 10:58 am 🔯 Finder Apple System Profiler 10.1 TINC COSP ENG Calculator Chooser -Control Panels Favorites or Stylewriter 2500 Date 🧖 Key Caps 🐙 Network Browser Recent Applications He OSX 10.2 **Recent Documents** Vriter Pro **Recent Servers** Remote Access Status Not Color and £ E Scrapbook 6 600 05x 10 1 LoserWriter 300 Sherlock 2
 Stickles Č. Macintosh HD AppleShare Server Messages V SIL 23/56 Log Me all Prister-Stuffit Lopender epson10775 logitec Quar EXpress 5._Demo ĨĊ,
- 2. Under the LaserWriter 8, click the server.



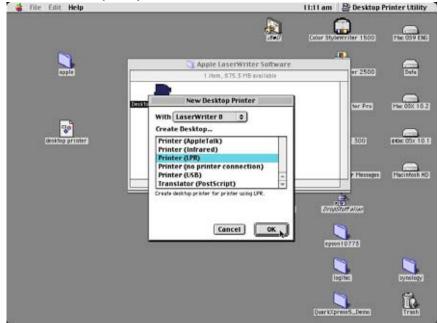
3. Click Setup and then click Generic.



Steps for setting up USB printer in Mac OS 9 running TCP/IP

- 11:10 am 🔯 Finder Color Stylewro -TINC COSP ENG ter 1500 opple DE 😋 Apple LaserWriter Software Date 2500 item, 875.4 MB available aktap Printer Utility 🗼 He 05X 10.2 6 600 05x 10 1 Macintosh HD Messages 4 9 Store Lopender Dreastant Allan epton10775 logitec QuarkXpress5_Demo ĨĊ,
- 1. Launch Desktop **Printer Utility**.

2. Select **Printer** (LPR) and click OK.



🚄 File Edit Help	11:12 am	🚔 Desktop Printer Utility
	Untitled 1	
	PostScript ^w Printer Description (PPD) File	1 776500 🕅
desktap printer	LPR Printer Selection Longe Longe Change Change	1000 FCTOSTATOR
LPR	Desktop Prioter Usage: Priot to LPR " <\u00e4ungeoiffed>>" Vith Prioter Driver: Laser Vriter 8 Create	r Messepes (Hacimicsh HD)
		810775
	1	
e:	Querzz	rest

3. In the LPR section, click **Change** to bring up the Internet Printer window.

4. Enter the IP address or its domain name of DS-101j Disk Station.

The curt neip	This am a beside P	miller ounty
		In Column
	Untitled I	
	PostScript [~] Printer Description (PPD) File	
opple	(K)	Date
	Dener io Change	
	LPR Printer Selection	Hec 05X 10.2
P	Internet Printer	
o printer	Specify the Internet printer you are printing to 300	Cox 05x 10 1
equinne.	(using domain name or IP address)	
1	Printer Address: cumpperified>>	0
.PR	Queue:	Macintosh HD
	• ₽ ₽	
*	Verify Cancel OK Dractive	
Change		
	epton10775	
		100
	I Mac 059 ENG	
	18 Herro, 875.2 HB eventes	18
		7
	BJ Extres iHite (1-4"#1 Documents QuarkXP	reas 5.0 Demo
	ALTERNAL MERCHANNEL PROVIDENCE	

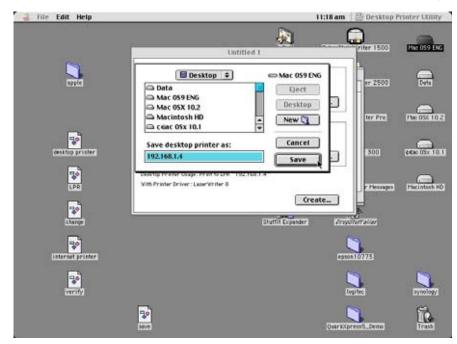
- 5. Enter **usbprinter** for Queue Name.
- 6. Click on **Verify** to make sure the printer was found.
- 7. Click **OK**.

File Edit Help	11:16 am	B Desktop P	rinter Utility
	à	Canter 1500	HINCOSTANT
	Untitled 1	1111111500	100000000
	PostScript [™] Printer Description (PPD) File	1	
BIRIC		er 2500	Data
	Generic Change		
	- LPR Printer Selection	ter Pro	Mec 05X 10.2
-	Internet Printer		
desktop printer	Specify the Internet printer you are printing to	1500	#6x: 05x 10.1
	(using domain name or IP address)		
4	Printer Address: 192.160.1.4		
LPA	Queue: usbprinter	r Messages	Macintosh HD
-	The printer is located at. 192.168.1.4	-	
Change	Verify k Cancel OK	diana an	
3		1	
internet printer	491	en10775	
			1
		logitec	synellogy
		3	62
	Ourix	press5_Demo	Tranh

8. Go to File menu and select Save.

🝓 File Edit Help	11:17 an	n 😫 Desktop f	Printer Utility
New 3EN Open., 360	A		
Close XW	Untitled I	Firther 1800	FIRC OSP ENG
Save as. Save As t Revert	PostScript [®] Printer Description (PPD) File	er 2500	
Quit #Q	Deterio Change	112300	-
	LPR Printer Selection	Ser Pro	Hec 05X 10.2
Greaktop printer	Change	2500	
1 00	Desktop Printer Usage: Print to LFR *192:168:1.4 * Vith Printer Driver (LaserWitter II	r Herrogen	Macintosh HD
Change	Stemt Coaster 20		
	Extent Country To		
interiori printeri	e.	200n10775	
		Ingified	synelogy
15	()erri	Cipresi 5., Deno	E.

9. Enter a name and location for the desktop printer icon and click **OK**. The default name is the printer's IP address, and the default location is at the desktop.



10. Finish.

3. USBCopy

By connecting a USB device to the front panel USB port of the DS-101j Disk Station, all data can be copied to the internal hard disk by pressing the USBCOPY button on the front panel of the DS-101j Disk Station.

You can choose a share folder for storing data copied from the USB device here. The DS-101j Disk Station will automatically create a "**USBCopy**" folder in the specified share folder to store all data. The title of each data file you copy will include the date and time each file copy was created by pressing the USBCOPY button.

Chi for ww Fyrorite Tools phb 4+Buch + · · · · · · · · · · · · · · · · · ·			(Taiwan) ·曾Connection 图中文 体制)-新江谷 同 English 图 Had Shape 圖 Tools]	
Eventhe Web Synclogy USb Metwork Attached Storage DISK STATION USbCopy Usbccopy Usbccopy				11111111111111111111111111111111111111
System System Network Network Network Device Heip	A second statement of a second statement of the			÷ Unks
 Home System Network Tools Help 	Syno log	gy	Network Attached Storage DISK	
Device Help	O System	USBCopy USDCopy folder settings	y USBCopy, Indaic 💌	
E) Done	Distant I			-

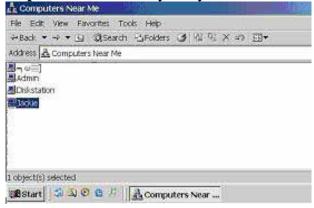
To access the data you copied from your USB device, please follow the instructions below.

Step 1 Go to My Network Places.

Step 2 Double click on Computers Near Me.



Step 3 Double click on your system name of DS-101j Disk Station.



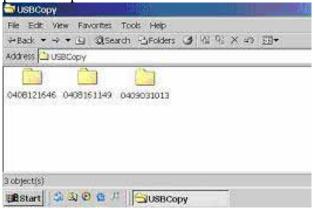
Step 4 Double click on the specified share. (Public for example)

🔛 Jackie				
File Ecit View	Favorites	Tools Help		
⇔Back ♥ ⇒ 🗉	i QSea	rch 🗄 Folders 🥑	WE RE X and EDF	
Address 🔠 Jack	e			
		3		
jackieshare	public sys	tem default share		
		T.		
1 object(s) select	ed			

Step 5 Double click on USBCopy.

public on	Dacikie				all the second
File Edit V	lew Favorites	Tools Help			
æBack ♥ =	- 🖬 🕄 Sea	rch 🗄 Folders	3 B C X	40 EB+	
Address 🕄 pi	.tdc				
	X				
The second second	D5000515				
OSCION!	D9000915				
1 object(s) sel	ected				
a second and					

Step 6 You will see the folders named by the date and time the Copy button on the front panel was pressed.



Chapter 5 Use Data Replicator

Having data backed up is one of the methods to ensure data completeness. However, people are often too busy to do backup regularly. In order to have your files backed up in an efficient and real-time way, Data Replicator fully automates the backup process from Windows clients to the DS-101j Disk Station. It can:

- 1. Monitor specified folders on your computer and perform immediate backup for modified files to the DS-101j Disk Station;
- 2. Encrypt files to provide higher security;
- 3. Compress backup files in order to save storage space on DS-101j Disk Station;
- 4. Provide version management function and save files up to 20 versions on the DS-101j Disk Station;
- 5. Provide tag management function, and tag up to 20 of the most representative versions;
- 6. Recover files from the DS-101j Disk Station to your computer when needed in the future, which makes file backup, management and protection easier than ever.

5.1 Before You Begin

1. Install DS-101j Disk Station

Before using Data Replicator, you must make sure the following thing: Your computer and DS-101j Disk Station have the same encoding setting.

2. Basic Computer Requirements

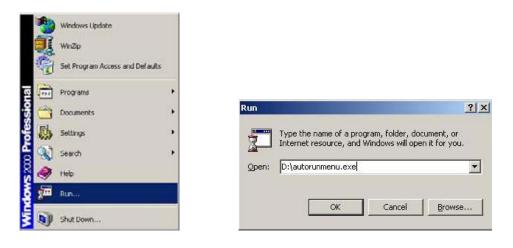
- 5MB Hard Disk Space
- Operating System: Windows 98/ME/2000/XP
- Optimal Screen Resolution: 1024*768 or above
- Microsoft Networking over TCP/IP protocol enabled, and the networking to DS-101j Disk Station is properly configured.

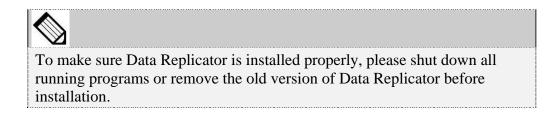
3. Install Data Replicator

Insert the DS Resource CD into your PCs CD-ROM drive, and you will see the following window. Click **Data Replicator** and the system will lead you go through the process of installing Data Replicator.



If the window above didn't appear, please go to Start on the left bottom of the screen and select Run. Enter D:\autorunmenu.exe (where D is the letter of your CD-ROM drive) in the Open: box and click OK. The auto-run menu should appear. Then you can install Data Replicator according to the instructions on the screen.





5.2 Use Data Replicator

1. Backup Windows clients' data to DS-101j Disk Station

1.1 Uploading

A. All files

At the first time running Data Replicator, you need to backup all the files in the selected folders to DS-101j Disk Station. After that, you may monitor for the modified versions.

a. Click "Browse" on the top of the window to enter a server-searching window.

ver \\DiskStation\public Browse	Help About Exi
kup Restore Tag Preference Log	
ource	
B	Upload
E Canon_i320	
Documents and Settings	
Driver Driver New Folder	Monitor
O Program Files	
B B RECYCLER	
ie □□□ Simon ie □□□ src	Filter
System Volume Information	
Temp	
🖲 🗀 Testil	
· U wulemp	

b. Select which DS-101j Disk Station you want to backup the file to. And click **OK**.

	ן/\DiskStation)	JUIC
Server Name	IP Address	Status
Admin	192.168.100.245	DHCP
Alic-DS	192.168.1.84	Manual
ek-ds	192.168.101.138	DHCP
DiskStation	192.168.100.77	DHCP
DiskStation	192.168.101.110	DHCP
DiskStation	192.168.100.41	DHCP
DiskStation	192.168.100.101	DHCP
DiskStation	192.168.100.116	DHCP
dogfood	192.168.1.9	Manual
nicole-test	192.168.100.80	DHCP
OLD_FIADS	192.168.100.24	DHCP
nasthax	192 168 1 3	Manual

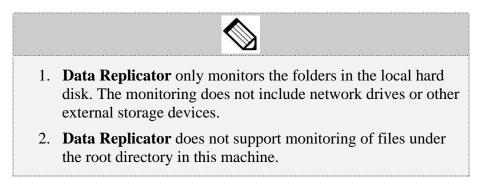
c. Check the folders you want to backup and monitor in the "**Source**" list, and click "**Upload**" to go on.

Synology Data Replicator 2.0	×
Synology [™] Data Replicator Server \\DiskStation\public Browse Backup Restore Tag Preference Log Source P= C: D: D: Codepage	Help About Exit
CuteFTP Pro v2.0 Ghost Homework Intel ECC/LED ECC/LE	Monitor Filter

d. Make sure the "All Files" option is selected, and click "OK" to start the upload.

All Files Modified files since last upload	
Introduced mes since last upload	
C Modified files since a designated time	
Create a tag after upload	
Name	
Comment	\frown
	OK
	Cancel

If this file version has a special representative meaning, you can select the option "**Create a tag after upload**" so that after the upload is complete this file version can be created with a tag to allow for easy restoration in the future. Please refer to "**3. Tag Management**" for the usage of "**tags**."



B. Modified files since last upload

If the files in your computer are large and modified frequently, monitoring the files could result in network inefficiency, for every file modification will have an according upload. If the network's efficiency is a concern then it is suggested that you disable the "Monitor" function after the first time full upload, and only upload the files manually whenever you think necessary.

You can select the "**Modified files since last upload**" and click "**OK**" to do a manual upload.

	×
\triangleright	
ed time	
ОК]
Cancel	1
	ed time

C. Modified files since a designated time

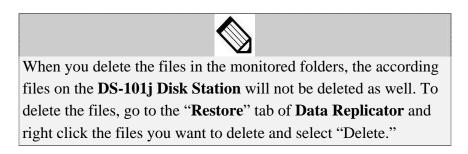
If for personal reason you have to upload files modified after a specified time, select the "**Modified files since a designated time**" and click "**OK**."

n	×
/hat to upload	
C All Files	
Modified files since last upload	
 Modified files since a designated time 	>
Create a tag after upload	
lame	
Comment	ок
	Cancel
lame	

1.2 Monitoring

After first-time backup, you can continue monitoring the folders in your computer. Any changes made to the files in the folders will be uploaded to the **DS-101j Disk Station** automatically.

To monitor the folders, select file folders and click the "**Monitor**" button, and the **Data Replicator** program will be minimized to the system tray to perform monitoring.



1.3 Filtering

You can choose not to backup certain file types with the "**filtering**" function by doing the following:

Click the "**Filter**" button, add specific file "**extension**" or "**prefix**" to the ignore list, and click "**OK**" to finish.

Ƴ swp Ƴ tmp	₽ vxd ₽ dll	Add
🍸 sys	∀ exe	Delete
efix		
₹# 7~		Add
		Delete
nt		

		estore" ta	ιb.		
s Synolo	gy Data Replic	ator 2.0			
Syn	ology™∶	Data Repli	icator		
Server	\\DiskStatio	n\public	Browse	Help	About Exit
Backup	Restore Tag	Preference	Log]		
					1
±		\public\adminis	DR_BACKUP	·98SE-E	
1					
Res	ore To				
œ	Origin 🗍				Restore
C	Manual		•	Browse	Delete
_					

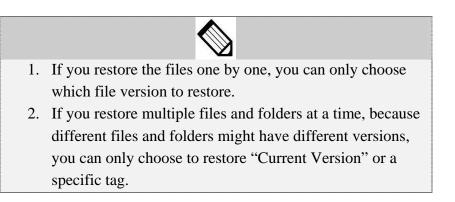
2. Restore data to your computer

2.2 Select the destination where the file will be restored to in the "Restore to" section.

2.3 Select files or folders you want to restore, and click the "**Restore**" button, or right-click the files or folders and select "**Restore**."

Synology Data Replicator 2.0 Synology TM Data Rep	licator	×
Server NDiskStation\public Backup Restore Tag Preference	Browse	Help About Exit
	English.txt	
Restore To		Restore
C Manual	<u> </u>	Browse Delete

2.4 Choose which file version or tag to restore. Please refer to "**3. Tag Management**" for the usage of "**tags**."



3. Tag Management

Data Replicator allows you to create tags up to 20. The purpose of creating a tag is to keep "the status of all files and folder on the **DS-101j Disk Station** at a specific time" on record. For example, if a software engineer has already completed program version 1.0 and is preparing to start coding version 2.0. To this engineer version 1.0 is the version with special representative meaning. While completing all version 1.0 program files, he/she can create a tag for these files at the specific point in time when uploading these version 1.0 files to the **DS-101j Disk Station**. To avoid problems while modifying version 2.0, the engineer can easily restore all 1.0 program files to his machine for further modification.

Once the number of tags reaches 20, and you want to create more tags, it is required that you manually delete existing and unwanted tags. **Data Replicator** will not delete the oldest tags automatically in this case.

By default the tag name is the date and time while the tag was created. For example, "0111072228" means the tag is created on November 7, 2001 at 10:28 pm. You may change the tag name according to your preference.

ion	
What to upload	
 All Files 	
Modified files since last	upload
C Modified files since a de	signated time
Create a tag after upload Name <mark>0405181144</mark> Comment	
	Cancel

You can create a tag in 2 ways:

3.1 Creating a tag after files are uploaded

You can create a new tag for uploaded files when uploading files in the "**Backup**" tab. Select **Create a tag after upload**, and click **OK**.

When creating a tag, the files uploaded will not only be tagged with that tag, but also the existing files on **DS-101j Disk Station**.



For example, if there are "file A" and "file B" on **DS-101j Disk Station** at the time you create "tag 22222" by uploading "file 1" and "file 2," then "tag 22222" will tag "file A," "file B," "file 1," and "file 2," that is, in the future when you choose to restore "tag 22222," not only "file 1" and "file2" will be restored, but also "file A" and "file B."

3.2 Creating a new tag in the "Tag" tab.

ver \\DiskSta	tion\public	Browse Help About E
Time	Tag Name	Comment
05/18/2004 11	0405181144	
		Create Delete

Please follow the steps below to create a tag:

- 1. Click the "**Tag**" tab.
- 2. Click "Create" button.
- 3. Enter tag name and comment for this tag.

4. Click "**OK**" to finish.

Add Tag	×
Tag Name	
0405181145	
Comment	
	OK
	Cancel

4. Preferences

4.1

ver \\DiskStation\pub		Help Abou	ıt Exi
ckup Restore Tag Pr	eterence Log		
Files Uploading			
🔽 Upload before mo	onitoring		
Upload before cr	ating tag		
File Copy			
Copy with compre	ession Encryption Passw	ord	
Copy with encryp	tion Confirm the Passw	vord	
Start			
📕 Auto start when le	ogin		
Start with monitor	ing		
Version			
Number of versions	5 ÷		
		OK I	

A. Upload before monitoring.

When this option is checked, each time "Monitor" is executed, the program will check if there are files that have not been uploaded. If there are, the system will automatically upload these files. This is to prevent some files being updated but not uploaded.

B. Upload before creating tag.

If you check this option, before a new tag is created, the program will upload updated files from your computer to the DS-101j Disk Station and then create a tag after uploading. This is to ensure that the created tag has tagged all the latest version of files in your computer.

4.2 File Copy

A. Copy with compression

In order to save storage space, when this option is enabled, the program will compress all backup files stored on the DS-101j Disk Station.

B. Copy with encryption

In order to ensure data security and prevent others from intercepting data, you can choose this option to set password protection for files in DS-101j Disk Station.

4.3 Setup

A. Auto start when login.

You can choose to run the program after logging on to Windows.

B. Start with monitoring.

You can choose to run the "**Monitor**" function after starting the program. If you also checked the "**Upload before monitoring**" option, once you are logged in, the program will first upload all the files that have not been uploaded before running the "**Monitor**" function.

4.4 Version

Data Replicator allows creating up to 20 versions. You can decide the number of versions for a single file that will be uploaded.

Chapter 6 Troubleshooting

Here we have listed a few questions you might have when operating the Synology DS-101j Disk Station, and we have listed some possible solutions to each question.

1. The DS-101j Disk S	1. The DS-101j Disk Station does not work after the HDD was installed.		
Check	Solution		
If you've connected the DS-101j Disk Station with AC power adapter, power cord and RJ-45 LAN cable, put the plug in the power outlet, and pressed the Power button.	Please connect the DS-101j Disk Station with AC power adapter, power cord and RJ-45 LAN cable, put the plug in the power outlet, and pressed the Power button.		
If you've pressed the "RESET" button (on the back panel) twice in 10 seconds correctly to format the internal hard disk.	Please make sure that you've pressed the RESET button twice in 10 seconds correctly to format your internal HDD. After the HDD is formatted, you may be able to use your DS-101j Disk Station. Please refer to 1.3 Install HDD in Chapter 1 for the detailed steps for HDD installation.		
	ll data on the hard disk you prepared by yourself will be ted after the hard disk has been formatted.		
2. I can't see the USI device to DS-101j	B share from My Network Places after I plug in an USB Disk Station.		
	ou've pressed the COPY button on the front panel, you will e to see the USB share from My Network Places.		
Check	Solution		
What you plug in is a USB storage device, such as USB disks, USB thumb drives, and digital cameras.	Change it if it's not a USB storage device.		
Please connect to the Web management User Interface (UI) and check the USB Device section to see if your USB device is recognized.	Try another USB device if you can't see your USB device in the UI. Because it may mean that your USB device has a compatibility problem. Also it might be because the DS- 101j Disk Station doesn't support USB storage devices behind an USB hub.		

The USB device is	Change for another one if it's defective.
not defective.	
Your USB device is	Change for another USB device. The DS-101j Disk Station
not connected through	doesn't support USB storage devices through a USB hub.
a USB hub device.	
The USB device is	If it hasn't been formatted yet, you can format it as a
formatted already.	FAT32 file system from your PC or Mac. Please refer to
	4.5-1 USB Disk in the User's Guide for detailed
	instruction.
3. My USB printer ca	an't work in a sudden after I configured it successfully.
Check	Solution
If the printer is	If it's not physically alright, please mend it.
physically alright.	
Such as whether the	
power is on, the ink is	
sufficient, etc.	
The disk usage on	If the amount of free space on DS-101j Disk Station is not
Status page of the DS-	sufficient to queue a print job, you may have to remove
101j Disk Station UI.	some unused files to get more space.
4. I can't delete folder	s in DS-101j Disk Station.
Check	Solution
If you used "/" or ":	If you'd like to delete the folder, please do it on a Mac.
" to name the folder	Some characters such as $/: *?'' <> $ do not work on
when you created it	Windows while they are suitable for Mac. Therefore, you
on a Mac.	might have to avoid using these characters when naming
If the name of the	folders. Otherwise, you need to go to a Mac every time
folder on Mac ends up	you want to delete folders with these characters.
with ". " or "space."	-
5. I can't use the USE	3 printer from Mac.
Check	Solution
Whether the printer	The DS-101j Disk Station only supports USB printers,
has a PostScript	which have PostScript function.
function.	-
	on automatically shuts down after it was turned on.
Check	Solution
The system.	Solution There are disk bad sectors in an important system area.

7. I can't find DS-101j Disk Station on my computer.			
Check	Solution		
If you've unblocked DSAssistant in the firewall on your computer that is running Windows XP or protected by anti- virus programs.	Click unblock button when the security alert message pops out. Windows Security Alert To help protect your computer. Windows Firewall has blocke some features of this program. Do you want to keep blocking this program? Name: DSAssistant Publisher: Unknown Keep Blocking Unblock Ask Me Later Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?		
If DS-101j Disk Station has been connected to the network and turned on.	Connect DS-101j Disk Station to the network with RJ-45 LAN cable. And then turn it on.		
If your computer is connected to the network.	Connect your computer to the network.		

There are more frequent asked questions on <u>www.synology.com</u>. You may also check out our website for more information.

Appendix A Suggested Periphery

Suggested HDD

Brand	Model	Size
Seagate	ST3200822A	200GB
Samsung	SV1604N	160GB
Samsung	SV1203N	120GB
Hitachi	IC35L180AVV207-1	185GB
Hitachi	HDS722525VLAT80	250GB
Hitachi	Deskstar 7K400	400GB
Maxtor	DiamondMax Plus 9	200GB
Maxtor	DiamondMax 16	160GB
Maxtor	DiamondMax 10	300GB
Maxtor	MaxLine II 5A300J0	300GB
Maxtor	MaxLine II Plus 7Y250B0	250GB
WD	WD1600	160GB
WD	WD2500	250GB

★ Hitachi Deskstar 7K400 and Maxtor DiamondMax 10 are for version 2.0116 or later.

Appendix B Technical Support

1. Hardware Problem

If you need any assistance on hardware, please contact your local authorized Synology dealer or the suppliers.

2. Firmware Update

If you need to upgrade your system, please visit <u>www.synology.com</u> to download the updated firmware version.

3. Installation and Setup Problem

If you need any help while installing or setting up the system, please contact your local authorized Synology authorized local dealer or the suppliers.

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

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