

Synology®

# DiskStation

## DS411j



# Quick Installation Guide

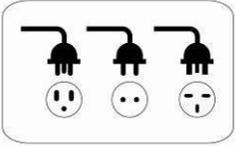
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[www.use-ip.co.uk](http://www.use-ip.co.uk)  
01304 827609

# SAFETY INSTRUCTIONS

Please read these safety instructions carefully before use, and keep this manual in a safe place for your future reference.

		
<p>Keep away from direct sunlight and away from chemicals. Make sure the environment does not experience abrupt changes in temperature or humidity.</p>	<p>Keep Synology product upright. Do not lay it down horizontally.</p>	<p>Do not place the Synology product close to any liquid.</p>
		
<p>Do not place the Synology product on a cart, table, or desk, which is not stable to prevent the product from falling over.</p>	<p>The power cord must plug in to the right supply voltage. Make sure that the supplied AC voltage is correct and stable.</p>	<p>Before cleaning, unplug the power cord first. Wipe Synology product with damp paper towels. Do not use chemical or aerosol cleaners to clean it.</p>

# PACKAGE CONTENTS

Before you begin, please check the package contents to verify that you have received the items below.

		
Main Unit X 1 (4 hard disk trays included)	Installation CD	AC power adapter
		
2M RJ-45 LAN cable	AC power cord	
Assembling Kit		
		
Screws for securing 3.5" hard drives x 18	Screws for securing 2.5" hard drives x 18	Screws for securing hard disk trays x 8
		
Cable lock X 1		

**Note:**  
It is recommended that you install hard disks with the same size to make the best use of hard disk capacity.

# DISKSTATION AT A GLANCE



No.	Name	Location	Description
1)	Power Button	Front Panel	The power button is used to turn Synology DiskStation on or off. To turn off Synology DiskStation, press the power button and hold it until you hear a beep sound and the Power LED starts blinking.
2)	LED Indicators	Front Panel	The LED indicator is used to display the status of the internal disk and the system. For more information, see "LED INDICATION TABLE" at the end of this document.
3)	USB Ports	Back Panel	The Synology DiskStation offers USB ports for adding additional external hard drives, USB printers, or other USB devices.
4)	Fans	Back Panel	The fans are built to exhaust waste heat out of Synology DiskStation. It will start automatically when the server starts. If the fan is malfunctioning, the system will play beep sounds.
5)	RESET Button	Back Panel	1. To restore IP, DNS, passwords for the <b>admin</b> account to default value. 2. To reinstall the Synology DiskStation.
6)	LAN Port	Back Panel	The LAN port is where you connect RJ-45 cable to Synology DiskStation.
7)	Power Port	Back Panel	The power port is where you connect the AC adapter to Synology DiskStation.

# INSTALLING HARD DISKS

DiskStation requires at least one 3.5" or 2.5" SATA hard disk for installation. Refer to the following steps for details:

**Warning! If you use a hard disk with data on it to install, system will format the hard disk and erase all data in some cases. Please back up the data if you need it in the future.**

1. Remove the four screws fixed on the back cover.



2. Put the back cover down carefully.



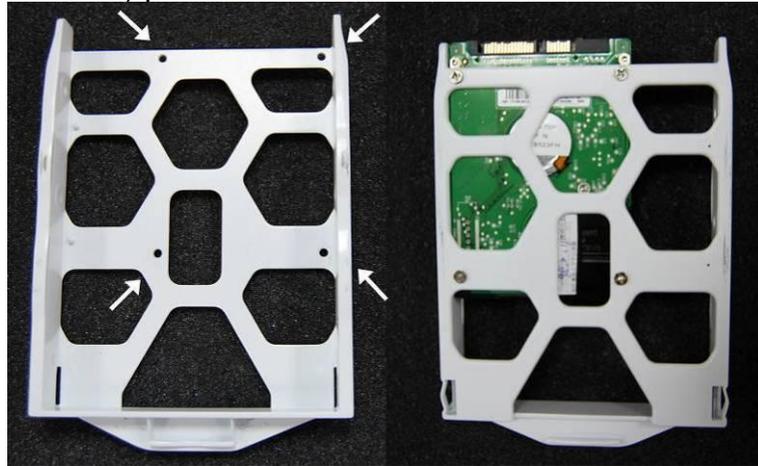
3. Lift the upper case and then pull it out.



4. You will see four hard disk trays. Pull one hard disk tray out.
  - a. If you are using 3.5" hard disks, place the hard disk into the hard disk tray. Secure the hard disk on the two sides with the 4 screws (for securing 3.5" hard drives) provided.



- b. If you are using 2.5" hard disks, align the hard disk with the 4 smaller holes on the hard disk tray, and secure the hard disk from the bottom with the screws (for securing 2.5" hard drives) provided.



5. Put the hard disk tray back in the DiskStation and repeat step 4 for each hard disk. Make sure the hard disk trays are pushed all the way to the back.



6. If you are using 3.5" hard disks, secure the hard disk trays with the screws (for securing hard disk trays) provided.



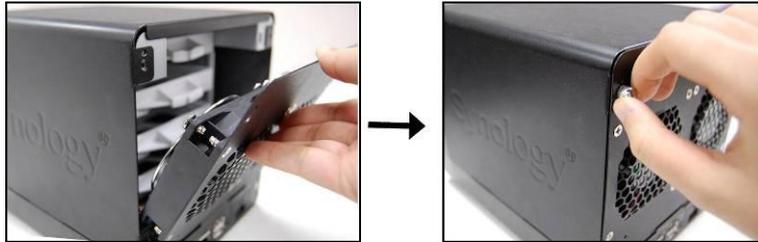
7. Place the upper case back to its position.



8. Attach the cable lock to the corresponding hole above the power port on the back cover. Make sure the cable lock is hooked on the inner side of the back cover.

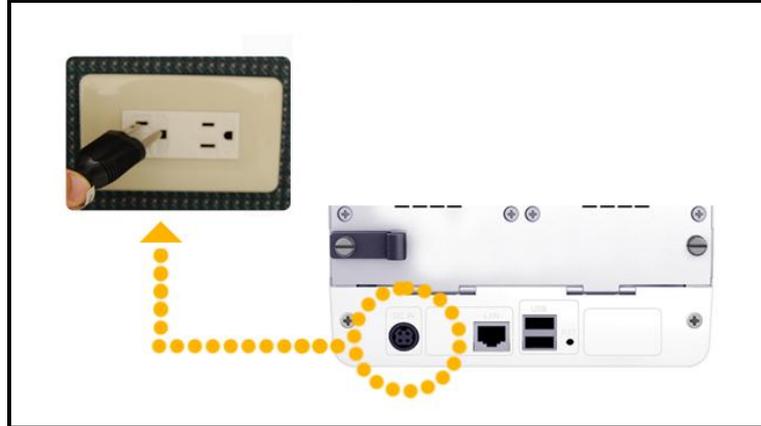


9. Close the back cover and fix it with the four screws.

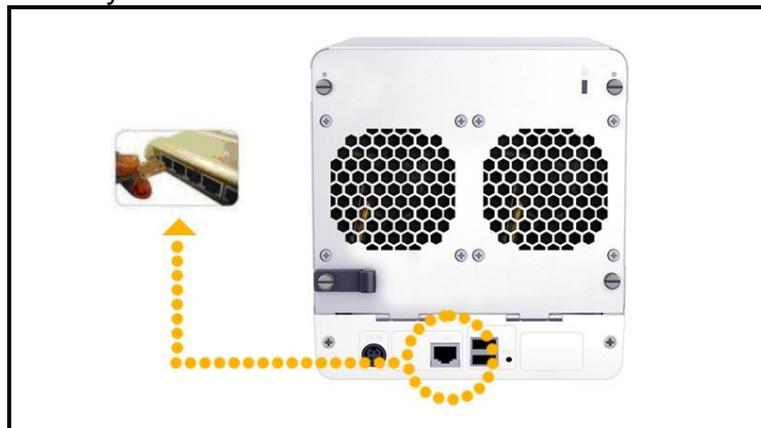


# TURN ON SERVER

1. Connect the AC adapter to The power port, and fix the cable to the cable lock. Then plug the power cord into a power socket.



2. Connect the RJ-45 cable to the server and connect the other end to your switch/hub/router.



3. Remove the plastic wraps on the front panel. Press the power button on the front panel to turn on the server.



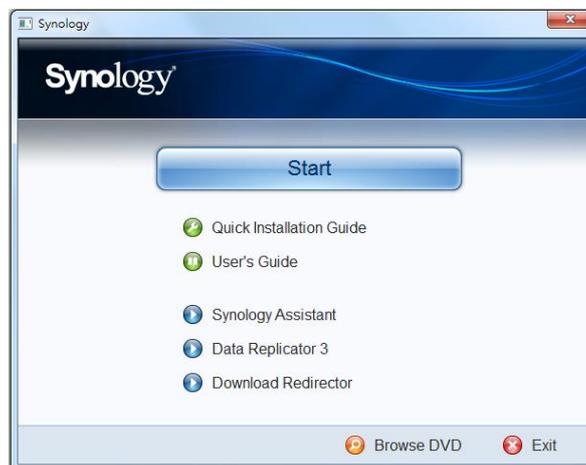
# INSTALL SYSTEM SOFTWARE

## Windows User

1. Insert the installation CD to your computer.



2. Choose "Start" on the autorun menu.



3. Follow the on-screen instructions to complete the setup process.

**Note: If you choose One-Click Setup, the admin password will be blank.**

## Mac User

1. Insert the installation CD to your computer.



2. Double click on the CD-Rom Drive thumbnail.



3. Double click MacOSX.



4. Double click SYNOLOGY-Assistant.dmg.



5. Double click on the automatically generated thumbnail SYNOLOGY-Assistant.dmg on the desktop.



6. Double click Synology Assistant to run the Setup Wizard.



7. Click Browse to select the “.pat” installation file in the installation CD.
8. Follow the on-screen instructions to complete the setup process.

**Note: If you choose One-Click Setup, the admin password will be blank.**

9. When you have completed the setup process, the LED light for Status should be blinking orange. Log into DiskStation Manager and create a storage volume. Refer to Synology DiskStation User’s Guide to learn more.

# CONGRATULATIONS!

Server has been set up. Refer to the User's Guide in the installation CD for advanced settings and management. For more information or online resources, please visit <http://www.synology.com>.

# SPECIFICATIONS

Item	DS411j
Internal HDD	3.5 SATA (II) x 4
Max. Capacity	12TB (4 x 3TB hard drives)
Hot Swappable HDD	No
External HDD Interface	USB x 2
LAN Port	Gigabit x 1
Copy	No
Size (HxWxD) (mm)	168 x 184 x 230
Weight (Kg)	2.23
Supported Clients	<ul style="list-style-type: none"> <li>• Windows 2000 onward</li> <li>• Mac OS X 10.3 onward</li> <li>• Ubuntu 9.04 onward</li> </ul>
Max. User Accounts	1024
Max. Group Accounts	256
Max. Shared Folder	256
Max. Concurrent Connections	128
Max. Supported IP Cameras	5
File System	• EXT4 • EXT3 • FAT (External Disk, Read/Write) • NTFS (External Disk, Read/Write)
Volume Type	• Basic • JBOD • RAID 0 • RAID 1 • RAID 5 • RAID 5+Spare • RAID 6 • RAID 10
Agency Certifications	• FCC Class B • CE Class B • BSMI Class B
HDD Hibernation	Yes
Scheduled Power On/Off	Yes
Wake on LAN	No
Language Localization	<ul style="list-style-type: none"> <li>• English • Deutsch • Français • Italiano • Español • Dansk • Norsk • Svensk</li> <li>• Nederlands • Русский • Polski • Magyar • Português do Brasil • Português Europeu • Türkçe • Český • 日本語 • 한국어 • 繁體中文 • 简体中文</li> </ul>
Power Consumption And Environment Requirements	<ul style="list-style-type: none"> <li>• Line voltage: 100V to 240V AC</li> <li>• Frequency: 50/60Hz</li> <li>• Operating Temperature: 40 to 95°F (5 to 35°C)</li> <li>• Storage Temperature: 15 to 155°F (-10 to 70°C)</li> <li>• Relative Humidity: 5% to 95% RH</li> <li>• Maximum Operating Altitude: 10000 feet (3048m)</li> </ul>

# LED INDICATION TABLE

LED Indication	Color	Status	Description
STATUS	Green	Static	Volume Normal
		Off	HDD Hibernation
	Orange	Static	Available volume space < 1GB
			Available volume space < 1 %
		Blinking	Volume degraded or crashed
			No volume
LAN	Green	Static	Gigabit Link
		Blinking	Network is active
		Off	Network is down
DISK 1~4	Green	Static	Disk ready
		Blinking	Disk is being accessed
		Off	No internal disk
	Orange	Static	Cannot Read/ Write
Power	Blue	Static	Power ready
		Blinking	Booting up
			Shutting down
		Off	Power off