

D-Link iSCSI IP SAN storage DSN-610/ DSN-640

**1GbE/ 10 GbE iSCSI to SATA / SAS
RAID controller**

Quick Installation Guide

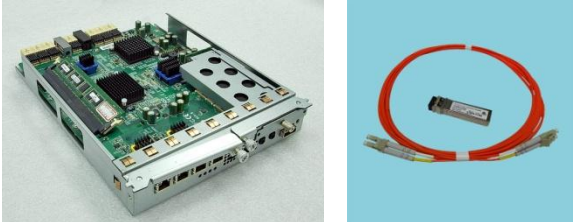
Version 1.0 (April, 2011)

D-Link Corporation
<http://www.dlink.com>

Package contents

The package contains the following items:

1. RAID controller, DSN-610 or DSN-640 (x1)
2. GBIC transceiver (x1) and cable (x1) for DSN-640 only



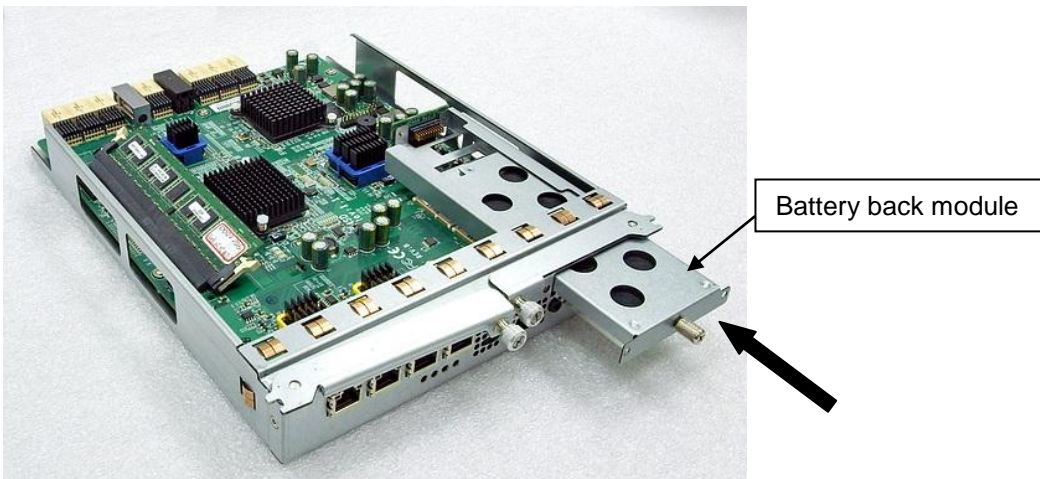
Install battery backup module

Please follow procedure below to install battery backup module.

1. Make sure DSN-6000 series is power off.
2. Remove the cover of battery backup module.



3. Insert the battery backup module.

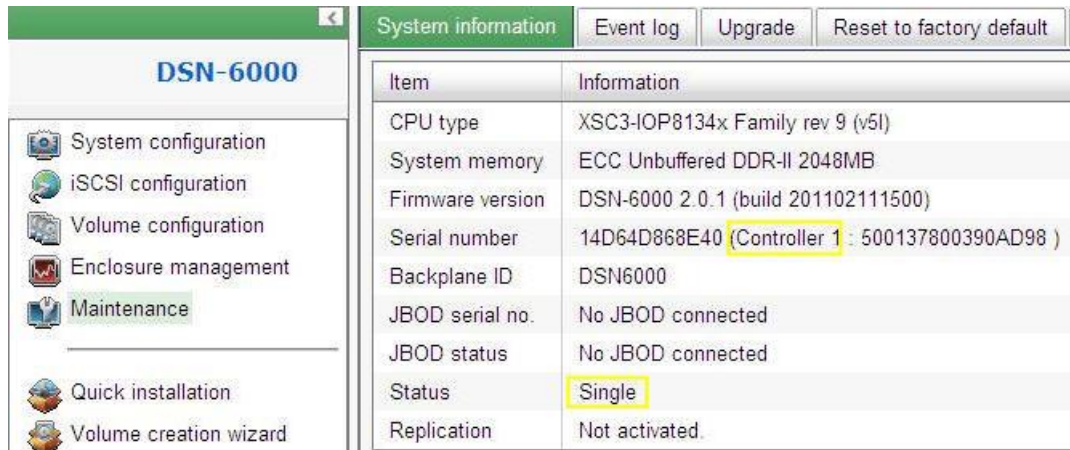


4. Tighten the screws up.
5. Power on DSN-6000 series

Install DSN-610/DSN-640 in DSN-6x10 subsystem

This following procedure applies to upgrading from DSN-6110 to DSN6120 as well as from DSN-6410 to DSN-6420. Before you do this, please make sure that either DSN-6110 or DSN-6410 is properly installed according to the manuals.

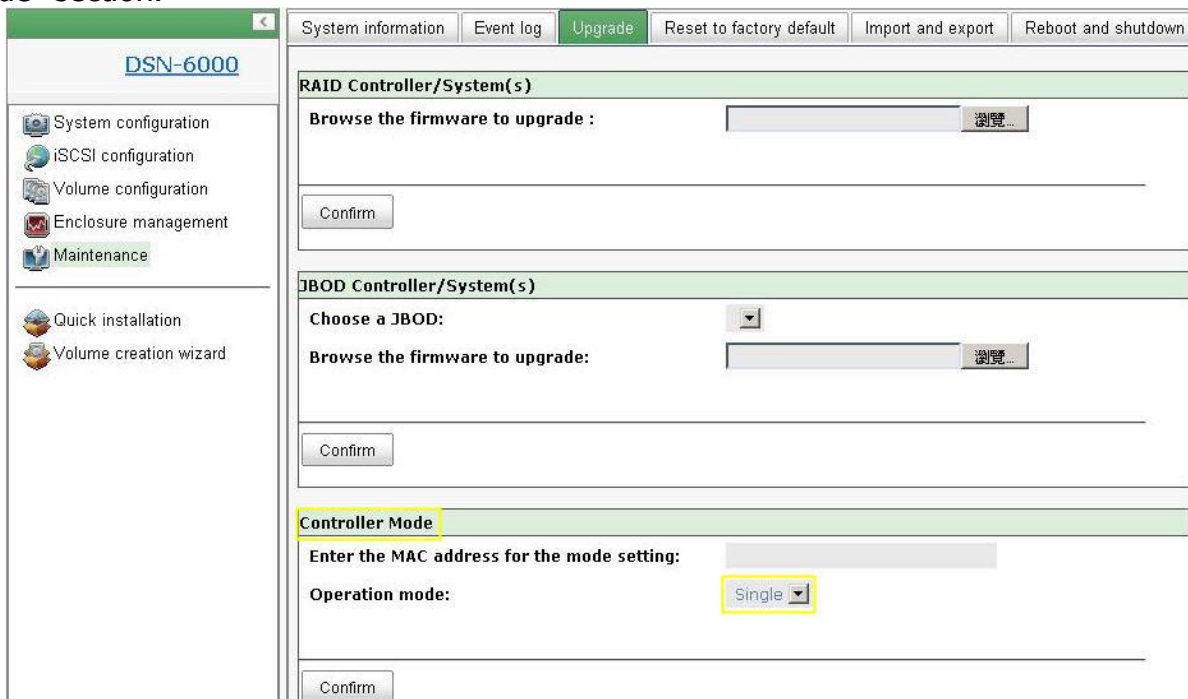
Before you can insert the second controller to the IP SAN storage, the IP SAN storage system should be up and running and the maintenance\system page of the GUI should look like the following screenshot.. Note that the status is single as you have one controller only.



The screenshot shows the 'System information' page for a DSN-6000 device. The left sidebar contains navigation options: System configuration, iSCSI configuration, Volume configuration, Enclosure management, Maintenance, Quick installation, and Volume creation wizard. The main content area is a table with the following data:

Item	Information
CPU type	XSC3-IOP8134x Family rev 9 (v5I)
System memory	ECC Unbuffered DDR-II 2048MB
Firmware version	DSN-6000 2.0.1 (build 201102111500)
Serial number	14D64D868E40 (Controller 1 : 500137800390AD98)
Backplane ID	DSN6000
JBOD serial no.	No JBOD connected
JBOD status	No JBOD connected
Status	Single
Replication	Not activated.

You can also verify controller mode in "Maintenance\Upgrade". Check out the "Controller Mode" section.



The screenshot shows the 'Upgrade' page for a DSN-6000 device. The left sidebar is the same as in the previous screenshot. The main content area is divided into three sections:

- RAID Controller/System(s)**: Includes a 'Browse the firmware to upgrade' field with a '瀏覽...' button and a 'Confirm' button.
- JBOD Controller/System(s)**: Includes a 'Choose a JBOD' dropdown menu, a 'Browse the firmware to upgrade' field with a '瀏覽...' button, and a 'Confirm' button.
- Controller Mode**: Includes an 'Enter the MAC address for the mode setting' field, an 'Operation mode' dropdown menu set to 'Single', and a 'Confirm' button.

Please follow the steps below to upgrade to dual controller mode.

Step 1

Go to "Maintenance\System". Copy the IP SAN storage serial number.

Item	Information
CPU type	XSC3-IOP8134x Family rev 9 (v5l)
System memory	ECC Unbuffered DDR-II 2048MB
Firmware version	DSN-6000 2.0.1 (build 201102111500)
Serial number	14D64D868E40 (Controller 1 : 500137800390AD98)
Backplane ID	DSN6000
JBOD serial no.	No JBOD connected
JBOD status	No JBOD connected
Status	Single
Replication	Not activated.

Step 2

Go to "Maintenance\Upgrade" and paste the serial number into "Controller Mode" section. Select "Dual" as operation mode.

System information | Event log | **Upgrade** | Reset to factory default | Import and export | Reboot and shutdown

RAID Controller/System(s)

Browse the firmware to upgrade : 瀏覽...

Confirm

JBOD Controller/System(s)

Choose a JBOD:

Browse the firmware to upgrade: 瀏覽...

Confirm

Controller Mode

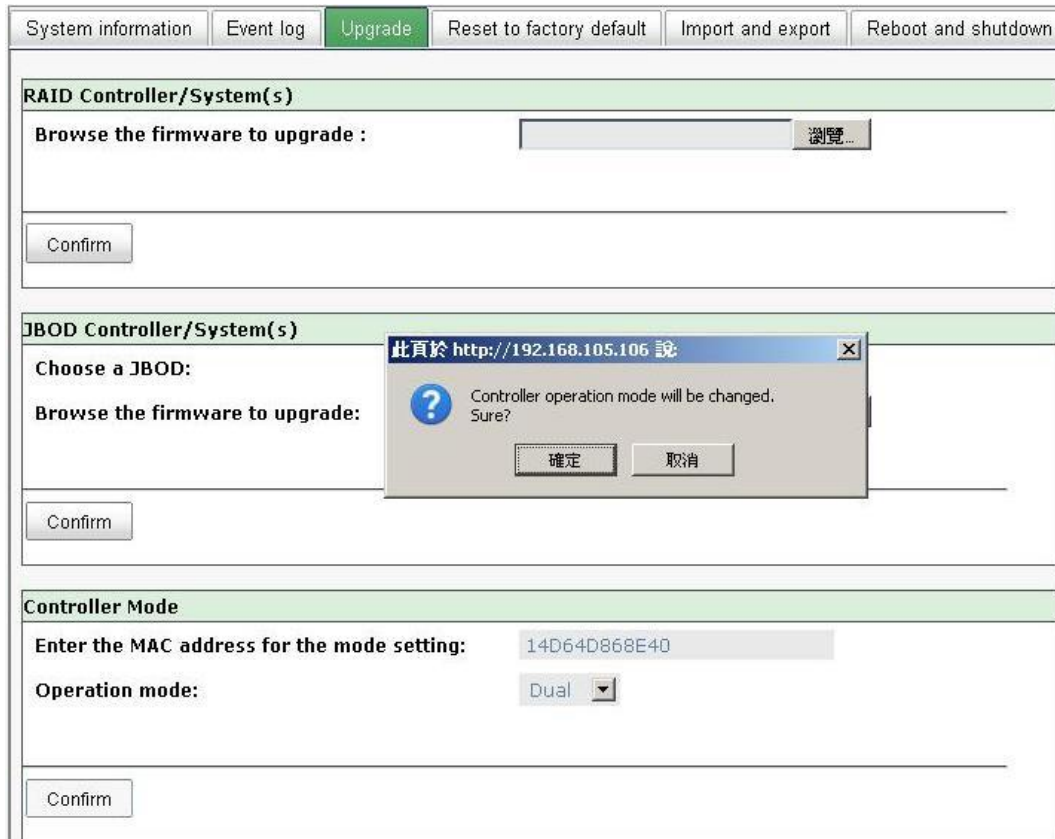
Enter the MAC address for the mode setting: 14D64D868E40

Operation mode: Single
Dual
Single

Confirm

Step 3

Click "confirm". The system will ask you to shutdown. Please shutdown IP SAN storage.



The screenshot displays a web-based management interface with a navigation bar at the top containing the following tabs: System information, Event log, Upgrade (highlighted in green), Reset to factory default, Import and export, and Reboot and shutdown.

The main content area is divided into three sections:

- RAID Controller/System(s)**: Contains a "Browse the firmware to upgrade:" label, an empty text input field, and a "瀏覽..." button. A "Confirm" button is located below the input field.
- JBOD Controller/System(s)**: Contains a "Choose a JBOD:" label, a "Browse the firmware to upgrade:" label, and an empty text input field. A "Confirm" button is located below the input field. A modal dialog box is overlaid on this section, with the title "此頁於 http://192.168.105.106 說:" and the message "Controller operation mode will be changed. Sure?". The dialog has "確定" (OK) and "取消" (Cancel) buttons.
- Controller Mode**: Contains an "Enter the MAC address for the mode setting:" label with the value "14D64D868E40" in the input field. Below it is an "Operation mode:" label with a dropdown menu set to "Dual". A "Confirm" button is located at the bottom of this section.

Click Ok.

System information | Event log | **Upgrade** | Reset to factory default | Import and export | Reboot and shutdown

RAID Controller/System(s)

Browse the firmware to upgrade: 瀏覽...

Confirm

JBOD Controller/System(s)

Choose a JBOD:

Browse the firmware to upgrade:

Confirm

Controller Mode

Enter the MAC address for the mode setting: 14D64D868E40

Operation mode: Dual ▾

Confirm

Go to "Maintenance\Reboot and shutdown". Click "Shutdown" to shutdown the system.

Reset to factory default | Import and export | **Reboot and shutdown**

Reboot **Shutdown**

Click Ok.

Upgrade | Reset to factory default | Import and export | **Reboot and shutdown**

Reboot **Shutdown**

此頁於 http://192.168.105.106 說

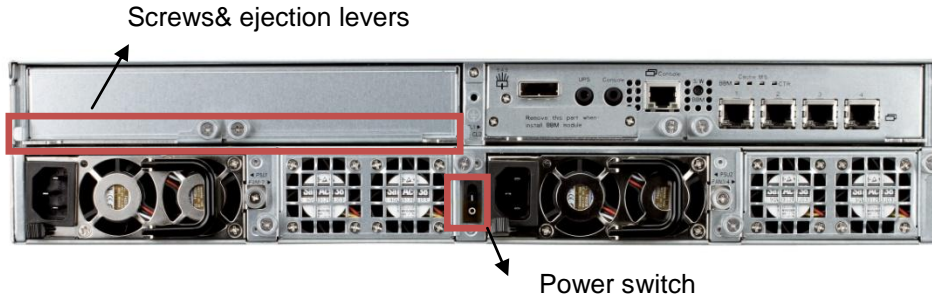
?

Sure to shutdown?

確定 取消

Step 4

Power off DSN-6110 or DSN-6410 by switching power button. Remove the empty cage by loosening the screws and ejection levers.



Step 5

Insert the second controller to the IP SAN storage and secure in place, then power on the system.



The IP SAN storage should now appear in dual controller mode as either DSN-6120 or DSN-6420.

Go to "Maintenance\System information" to check that the IP SAN storage is running in dual controller mode now.

The screenshot shows the 'Maintenance\System information' screen for a DSN-6000. The interface includes a navigation menu on the left and a main table of system information.

Item	Information
CPU type	XSC3-IOP8134x Family rev 9 (v5l)
System memory	ECC Unbuffered DDR-II 2048MB
Firmware version	DSN-6000 2.0.1 (build 201102111500)
Serial number	14D64D868E40 (Controller 1 : 500137800390AD98 , Controller 2 : 500137800390A5D8)
Backplane ID	DSN6000
JBOD serial no.	No JBOD connected
JBOD status	No JBOD connected
Status	Normal
Replication	Not activated.

Revision history

Date	Version	Owner	Description
2011/04/29	1.0		Initial version