



Quick Installation Guide

External 5-bay USB 3.0, eSATA, FireWire 800
interfaces to SATA RAID Subsystem

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1. Overview

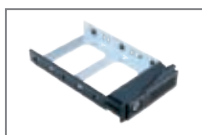
The NR710C is an external 5-drive SATA disk array storage system, which is fast and cost effective as well as providing high-capacity RAID solution for SOHO, SMBs (small and medium businesses), and professionals engaging in video editing, content creation and various areas. The NR710C features built-in hardware RAID protection, high transmission rate, and easy setup of the enclosure. The connection between the NR710C and the host is simply made by one data cable, compatible with Windows, Mac, and Linux operating system.

2. Package Checklist

Before the installation of the unit, verify the items below are included in the package.



A Enclosure x 1



B HDD tray (installed in the NR710C) x 5



C CD containing user manual and GUI x 1



D Hard disk drive mounting screw x 20



E Key for HDD tray x 2



F USB 3.0 data cable x 1



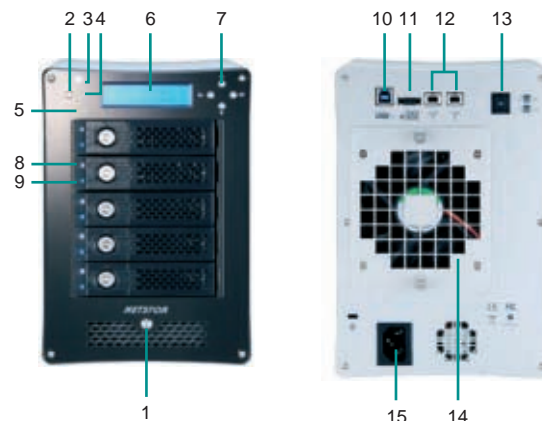
G eSATA data cable x 1



H FireWire 800 data cable x 1

If any of the items listed above is missing or damaged, please contact the sales representative.

3. Panel Layout



1. Power switch button
Note: to power on/off NR710C, press the power switch button for two seconds
2. Buzzer mute button
3. Enclosure power LED
◦ White – Power On
4. Fan LED
◦ Green – Normal
◦ Red – Failure (low frequency of RPM or stop)
5. Temperature LED
◦ Green – Normal
◦ Red – Overheated (higher than 50°C)
6. LCD display
7. LCD control keypad
8. Drive presence LED
◦ White – Power On
9. Activity indicator LED
◦ Blue – Hard disk drive ready
◦ Flash Blue – Access
◦ Flash Pink – Rebuilding
10. USB 3.0 connector
11. eSATA connector
12. FireWire 800 connectors
13. Switch turned to number 0 or 1 (default) – volume larger than 2 TB
Switch turned to number 2 – volume under 2 TB

0 1 Volume larger than 2 TB

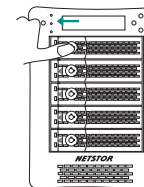
2 Volume under 2 TB

If you want to use volume larger than 2 TB, the switch on the rear of the NR710C enclosure should be turned to number 0 or 1, and the operating system and the hardware should also support volume larger than 2 TB. If you want to use volume under 2 TB, the switch should be turned to number 2.

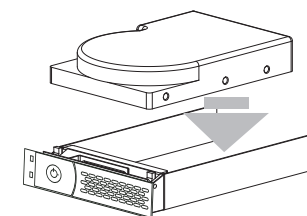
14. Swappable fan
15. Power cord receptacle

4. Enclosure Setup

1. Remove the NR710C from its packaging, and place the enclosure next to laptop, desktop PC, server, or workstation.
2. Hold one of the drive trays from the enclosure and push its button leftward for the release of the lever until the lever emerges.

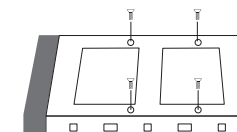


3. Place a drive tray on a flat and level surface, and then attach the hard disk drive into the drive tray.



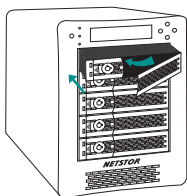
WARNING:
You must verify the heads of the four screws are level with the drive tray while the trays are attached to the hard disk drives; otherwise, a screw could take hold of the tray from the bottom side and prevent you to pull the drive tray out of the array.

4. Adopt four of the screws provided, and fasten the tray on the hard disk drive. Tighten each screw to fasten the drive tray snugly to the hard disk drive. Do not tighten the screws overly.



WARNING: Do not force the levers to close while you insert drive modules into the NR710C enclosure. If a lever does not close smoothly, draw out and inlay the drive module again, and then press the lever to close.

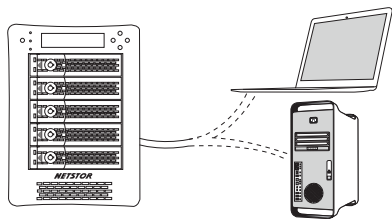
5. Insert the drive module into the NR710C enclosure correctly until its lever appears to shut, and then press the lever to close until it clicks to ensure that the drive module is within the enclosure.



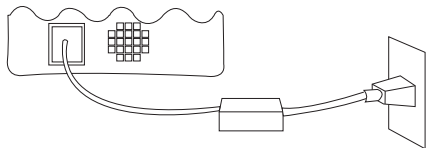
6. Go over steps 2 to 5 again for further drives.

7. Connect one end of USB 3.0, eSATA, or FireWire 800 data cable to the USB 3.0, eSATA, or FireWire 800 connector on NR710C. Make sure the connector is fastened to the enclosure.

8. Connect the other end of USB 3.0, eSATA, or FireWire 800 data cable to the USB 3.0, eSATA, or FireWire 800 connector on laptop or motherboard/add-on card inside desktop PC, server, or workstation. Verify the connector is firmly conjoined.



9. Connect one end of power cord to the power cord receptacle on rear of NR710C enclosure and the other end of power cord to the outlet. Verify the power cord is firmly connected.



10. After the power cord is connected, you can switch on NR710C and the computer.

5. Quick RAID Configuration

RAID configuration can be set up via user-friendly GUI or front comprehensive LCD.

· For RAID configuration via user-friendly GUI on Windows operating system:

1. Copy the folder **RAID_AP_v1.8** from the CD to your computer.
2. Open the folder **RAID_AP_v1.8** from your computer, and then open the sub-folder **Netstor_RAID_Server**. Execute program **ManagementServerSetup**.
3. Go to folder **Netstor_RAID_AP** under **RAID_AP_v1.8**, and execute **RAID_AP_v1.8**, and then an interface shows up.
4. After the interface appears, you are required to input data for three entries: the IP address, the user name, and the password, and then input **localhost** for the IP address, **admin** for the user name, and **111111** for the password. After you input the data, click **Connect**.
5. Click **C1** at the left side of the interface, and then click **Create RAID** at the top side of the interface.
6. Select the disk drives you want to use for RAID, and then select a RAID level from RAID 0 to RAID 10. After you select a RAID level, click **Apply**.
7. A confirmation of RAID configuration shows up, and click **Yes** to continue, and then the RAID will be created.

· For RAID configuration via front comprehensive LCD:

A control keypad and an LCD are provided in front of the NR710C enclosure. RAID management can be configured with the keypad and the front comprehensive LCD. After NR710C is turned on, the headline "Netstor Hardware RAID" appears on the LCD. Press any of the four buttons to enter the main menu. There are four entries, **Quick Setup**, **Disk Manager**, **RAID Manager**, and **System Manager**, in main menu, and users are allowed to use the four buttons provided to configure the NR710C system.

For detailed information on RAID configuration via GUI or LCD, please see **System Configuration Guide**.

6. Disk Partition and Format

· For Windows operating system

1. Right click **My Computer**, and then select **Manage**.
2. Click **Disk Management** from the left column of the window. If a dialog that reads **Initialize and Convert Disk Wizard** shows, click **Cancel** to close it. All the hard disk drives will be identified and listed by the system. Right click the device from Netstor, and then choose **Initialize Disk**.
3. Right click the bar that indicates the disk for the RAID system, and then choose **New Partition**.
4. Follow the procedures from the New Partition Wizard to complete the partition.
5. After the partition and the format, go to My Computer and you will see the newly created volume.

Note:

Operating systems that allow disk volume larger than 2 Terabytes (2048 Gigabytes) include:

- 1.Windows Vista, Windows 7, and Windows Server 2008
- 2.Mac OS X 10.4 or later versions
- 3.Linux 2.6.23 or later versions

If you have any questions, please contact your regional distributor, or Netstor Technology, Taiwan.

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