Synology®

DX1211 User's Guide

For Synology DiskStation DX1211

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Get Started with DX1211

Congratulations on your purchase of Synology DX1211. This product is specially designed for the storage expansion of Synology DiskStation DS2411+ and DS3611xs. This user's guide will guide you through the installation.

Package Contents

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

Main Unit x 1



Screws for 3.5" Hard Drives x 52



Screws for 2.5" Hard Drives x 52



AC Power Cord x 1



User's Guide x 1



Expansion Cable (Infiniband x 1)



Hardware Specifications

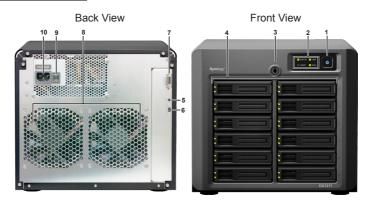
Internal HDD	12X SATA(II)
EXPANSION Port #	1X Infiniband
Max Capacity (Internal HDD)	12X 3TB
Hot Swappable HDD	Yes
Size (HxWxD) (mm)	270 X 300 X 340 mm
Weight	9.73 kg
System Fan	2X (120x120mm)
Power Fan	1X (120x120mm)
Power Recovery	Sync with server
AC Input Power Voltage	100V to 240V AC
Power Frequency	50 / 60Hz, Single Phase
Operating Temperature	5°C ~ 35°C (40°F ~ 95°F)
Storage Temperature	-10°C ~ 70°C (15°F ~ 155°F)
Relative Humidity	5% to 95% RH
Maximum Operating Altitude	6,500 feet
Certification	FCC Class B, CE Class B, BSMI Class B
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Operating Requirements

Synology DiskStation

DS2411+ and DS3611xs with Synology DSM 3.1 and onwards

Appearance



	Article Name	Description	
1	POWER Button	The POWER button is used to turn DX1211 on or off. Press and hold the button for 7 seconds to shut down DX1211. **Note:** The POWER button only works when you slide the AUTO/MANUAL switch (No. 6) to MANUAL.	
2	LED Indicators	Eor complete details, please refer to the next table: I FD	
3	Hard Drive Tray Lock		
4	Hard Drive The hard drive trays are designed for loading the hard drives with DX1211.		
5	RESET Button		
6	AUTO/ MANUAL Switch	The AUTO/MANUAL switch is used to enable or disable automatic power on/off. If it is set to AUTO, DX1211 will be turned on or off automatically when the connected DiskStation powers on or off.	
7	EXPANSION Port	The EXPANSION port is used to connect DX1211 to DiskStation.	
8	Fan	The power fans are built to exhaust waste heat out of the power supply. The system fans (inside DX1211) are built to exhaust waste heat out of DX1211. If the fan is not working, DX1211 will "beep" every few seconds.	
9	Power Supply On/Off Switch	The power supply on/off switch is used to turn on/off the power supply.	
10	Power Port	The power port is where you connect the power cord to DX1211.	

LED Behavior

LED	Behavior	Description
POWER	Solid Green	Power is on
POWER	Off	Power is off
LINK	Solid Green	Synology DiskStation is connected
LINK	Off	Synology DiskStation is disconnected
ALERT	Flashing Orange	System fan is not working
ALEKI	Off	System fan is functioning

LED	Behavior	Description
	Solid Green	Volume is created
RAID/ Status	Flashing Green	Volume is degraded
otatao	Off	Volume is crashed or not created
Activity (On Tray)	Flashing Green	Disk is being accessed
Hard Disk Status	Solid Green	Disk is ready and idle
	Solid Orange	Read/write or other errors are encountered
(On Tray)	Off	No internal disk is found

Safety Instructions

To use your Synology product safely, please follow these instructions and warnings at all time.



Keep away from direct sunlight and away from chemicals. Make sure the environment does not experience abrupt changes in temperature or humidity.



Do not place the Synology product close to any liquid.



Before cleaning, unplug the power cord first. Wipe Synology product with damp paper towels. Do not use chemical or aerosol cleaners to clean it.



Do not place the Synology product on a cart, table, or desk, which is not stable to avoid the product from falling over.



The power cord must plug in to the right supply voltage. Make sure that the supplied AC voltage is correct and stable.



To remove all electrical current from the device, ensure that all power cords are disconnected from the power source.

Set Up DX1211

Tools and Parts for Hard Disk Installation

- · A screwdriver
- At least one 3.5" or 2.5" SATA hard disk (Please visit www.synology.com for compatible hard disk models.)

Warning: If you install a hard disk that contains data, system will format the hard disk and erase all data. If you need the data in the future, please back it up before installation.

Install Hard Disks

1 Pull the hard drive tray handle in the direction as indicated below to remove the hard drive tray.



2 Load the hard disk in the hard drive tray.

• For 3.5" Hard Disk: Place the hard disk in the hard drive tray, and then tighten the screws to secure the hard disk.



• For 2.5" Hard Disk: Place the hard disk in the hard drive tray, turn the tray upside down, and then tighten the screws to secure the hard disk.



3 Insert the loaded hard drive tray into the empty hard drive bay.



Important: Make sure the tray is pushed in all the way. Otherwise, the hard disk might not be able to function properly.

4 Push the clip to fix the hard drive tray.

5 Repeat the steps above to assemble all hard disks you have prepared.

Note: If you want to set up a RAID set, it is recommended that all installed hard disks are of the same size to make the best use of hard disk capacity.

Connect with Synology DiskStation

1 Connect one end of the power cord(s) to the power port of RX1211/RX1211RP, and the other to the power outlet(s).



2 Connect one end of the expansion cable to DX1211, and the other to DiskStation.



3 Turn on DX1211:

 If the AUTO/MANUAL switch is set to AUTO, DX1211 will be turned on or off automatically when the connected DiskStation powers on or off.



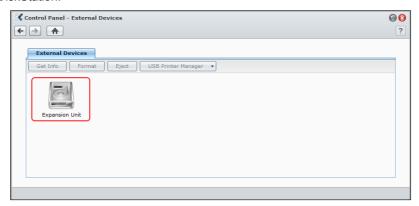
 If the AUTO/MANUAL switch is set to MANUAL, press the POWER button to turn on RX1211/RX1211RP.



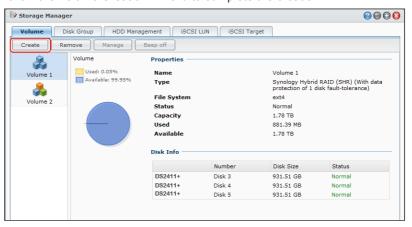
Note: To prevent unexpected volume crash, it is recommended that you set the AUTO/MANUAL switch to AUTO.

Work with DiskStation

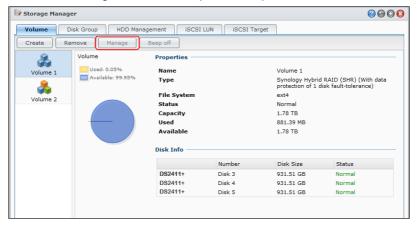
1 Log in to DiskStation Manager with a web browser. Go to Main Menu > Control Panel > External Devices to confirm DX1211 is connected to your DiskStation.



- 2 Go to Main Menu > Storage Manager to manage DX1211 for storage creation or expansion.
 - If you want to create a new volume with DX1211, click Create and follow the Volume Creation Wizard to complete the creation.



If you want to expand the existing volume with DX1211, select the
volume you want to expand from the volume list, click Manage, and follow
the Volume Manager Wizard to complete the expansion.



For detailed information about volume management, go to **Main Menu** > **Storage Manager** and see the help page by clicking the **Help** button at the top-right corner.

Limitations: Before starting to use DiskStation with DX1211 please see the following limitations of DX1211.

- DX1211 can be paired with only one DiskStation.
- The data of applications (such as Photo Station and Audio Station) can be stored on DX1211 only if you create an expanded volume with it. They will not be stored on DX1211 if you create a new volume with it.
- Hard drives previously used in DiskStation will not be readable by directly inserting them into DX1211, and vise versa.

Learn More

Congratulations! Your DX1211 is set up now. For more information or online resources about DX1211, please visit **www.synology.com**.

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- Proprietary Rights. The Product and any accompanying Software and documentation provided with the Product include proprietary and intellectual property rights of Synology and its third party suppliers and licensors. Synology retains and reserves all right, title, and interest in the intellectual property rights of the Product, and no title to or ownership of any intellectual property rights in or to the Product, any accompanying Software or documentation and any other goods provided under this Warranty is transferred to Customer under this Warranty. Customer will (a) comply with the terms and conditions of the Synology end user license agreement accompanying any Software furnished by Synology or an authorized Synology distributor or reseller; and (b) not attempt to reverse engineer any Product or component thereof or accompanying Software or otherwise misappropriate, circumvent or violate any of Synology's intellectual property rights.
- **4.2 Assignment.** Customer will not assign any of its rights under this Warranty directly, by operation of law or otherwise, without the prior written consent of Synology.
- 4.3 No Additional Terms. Except as expressly permitted by this Warranty, neither party will be bound by, and each party specifically objects to, any term, condition or other provision that conflicts with the provisions of this Warranty that is made by the other party in any purchase order, receipt, acceptance, confirmation, correspondence or otherwise, unless each party specifically agrees to such provision in writing. Further, if this Warranty conflicts with any terms or conditions of any other agreement entered into by the parties with respect to the Product, this Warranty will prevail unless the other agreement specifically references the sections of this Warranty that it supersedes.
- **4.4 Applicable Law.** Unless expressly prohibited by local law, this Warranty is governed by the laws of the State of Washington, U.S.A. without regard to any conflict of law principles to the contrary. The 1980 U.N. Convention on Contracts for the International Sale of Goods or any successor thereto does not apply.
- 4.5 Dispute Resolution. Any dispute, controversy or claim arising out of or relating to this Warranty, the Product or services provided by Synology with respect to the Product or the relationship between Customers residing within the United States and Synology will be resolved exclusively and finally by arbitration under the current commercial rules of the American Arbitration Association, except as otherwise provided below. The arbitration will be conducted before a single arbitrator, and will be limited solely to the dispute between Customer and Synology. The arbitration, or any portion of it, will not be consolidated with any other arbitration and will not be conducted on a class-wide or class action basis. The arbitration

- shall be held in King County, Washington, U.S.A. by submission of documents, by telephone, online or in person as determined by the arbitrator at the request of the parties. The prevailing party in any arbitration or legal action occurring within the United States or otherwise shall receive all costs and reasonable attorneys' fees, including any arbitration fee paid by the prevailing party. Any decision rendered in such arbitration proceedings will be final and binding on the parties, and judgment may be entered thereon in any court of competent jurisdiction. Customer understands that, in the absence of this provision, Customer would have had a right to litigate any such dispute, controversy or claim in a court, including the right to litigate claims on a class-wide or class-action basis, and Customer expressly and knowingly waives those rights and agrees to resolve any disputes through binding arbitration in accordance with the provisions of this Section 4.5. For Customers not residing within the United States, any dispute, controversy or claim described in this section shall be finally resolved by arbitration conducted by three neutral arbitrators in accordance with the procedures of the R.O.C. Arbitration Law and related enforcement rules. The arbitration shall take place in Taipei, Taiwan, R.O.C., and the arbitration proceedings shall be conducted in English or, if both parties so agree, in Mandarin Chinese. The arbitration award shall be final and binding on the parties and may be enforced in any court having jurisdiction. Nothing in this Section shall be deemed to prohibit or restrict Synology from seeking injunctive relief or seeking such other rights and remedies as it may have at law or equity for any actual or threatened breach of any provision of this Warranty relating to Synology's intellectual property rights.
- **4.6 Attorneys' Fees.** In any arbitration, mediation, or other legal action or proceeding to enforce rights or remedies under this Warranty, the prevailing party will be entitled to recover, in addition to any other relief to which it may be entitled, costs and reasonable attorneys' fees.
- **4.7 Export Restrictions.** You acknowledge that the Product may be subject to U.S. export restrictions. You will comply with all applicable laws and regulations that apply to the Product, including without limitation the U.S. Export Administration Regulations.
- 4.8 Severability. If any provision of this Warranty is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the remainder of this Warranty will remain in full force and effect.
- **4.9 Entire Agreement.** This Warranty constitutes the entire agreement, and supersedes any and all prior agreements, between Synology and Customer related to the subject matter hereof. No amendment, modification or waiver of any of the provisions of this Warranty will be valid unless set forth in a written instrument signed by the party to be bound thereby.