



# **Synology RackStation RS18016xs+**

## **Quick Installation Guide**

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# Before You Start

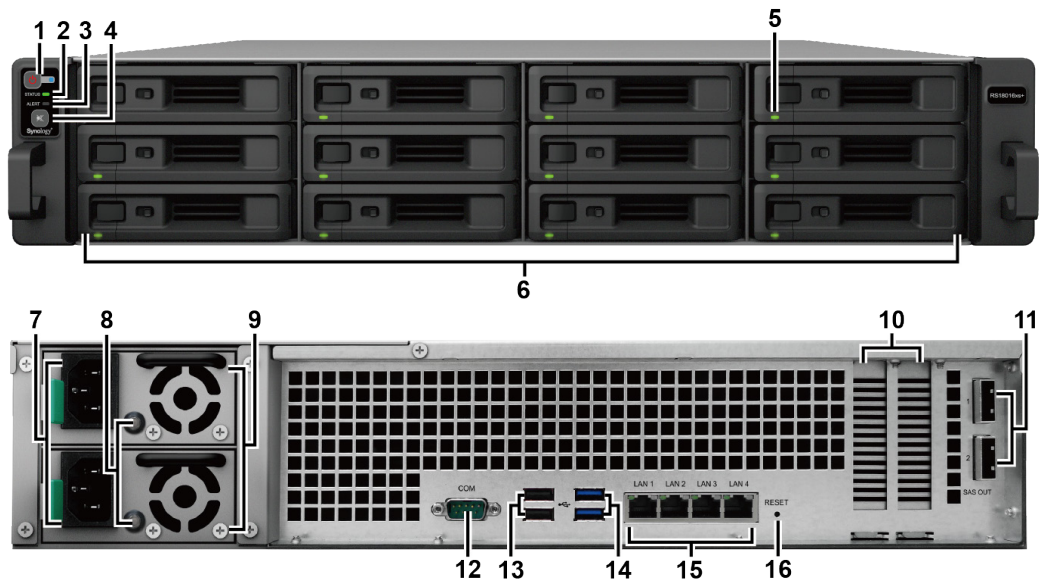
Thank you for purchasing this Synology product! Before setting up your new RackStation, please check the package contents to verify that you have received the items below. Also, make sure to read the safety instructions carefully to avoid harming yourself or damaging your RackStation.

**Note:** All images below are for illustrative purposes only, and may differ from the actual product.

## Package Contents

Main unit x 1	AC power cord x 2
	
	<b>Screws for 2.5" drives x 52</b>
	
	<b>Screws for 3.5" drives x 52</b>
	







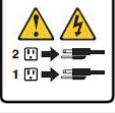

# Synology RackStation at a Glance



No.	Article Name	Location	Description
1	Power Button and Indicator	Front	1. Press to power on the RackStation. 2. To power off the RackStation, press and hold until you hear a beep sound and the Power LED starts blinking.
2	Status Indicator		Displays the status of the system. For more information, see "Appendix B: LED Indicator Table".
3	Alert Indicator		Displays warnings regarding fan or temperature. For more information, see "Appendix B: LED Indicator Table".
4	Beep Off Button		Press to deactivate the beeping sound that is emitted when a malfunction occurs.
5	Drive Status Indicator		Displays the status of drives. For more information, see "Appendix B: LED Indicator Table".
6	Drive Tray		Install drives (hard disk drives or solid state drives) here.
7	Power Port	Back	Connect power cords here.
8	PSU Indicator and Beep Off Button		1. Displays the status of the power supply unit (PSU). For more information, see "Appendix B: LED Indicator Table". 2. Press to deactivate the beeping sound that is emitted when a malfunction occurs.
9	PSU Fan		Disposes of excess heat and cools the PSU.
10	PCI Express Expansion Slot		Supports two PCIe x8 add-on network interface cards.
11	SAS OUT Port		Connect to Synology Expansion Unit <sup>1</sup> here.
12	Console Port		This port is used for manufacturing use only.
13	USB 2.0 Port		Connect external drives, USB printers, or other USB devices to the RackStation here.
14	USB 3.0 Port		Connect external drives, USB printers, or other USB devices to the RackStation here.
15	LAN Port		Connect RJ-45 network cables here.
16	RESET Button		1. Press and hold until you hear a beep sound to restore the default IP address, DNS server, and password for the <b>admin</b> account. 2. Press and hold until you hear a beep sound, then press and hold again until you hear three beep sounds to return the RackStation to "Not Installed" status so that DiskStation Manager (DSM) can be reinstalled.

<sup>1</sup> For more information about Synology Expansion Unit supported by your RackStation, please visit [www.synology.com](http://www.synology.com).

## Safety Instructions

	<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>Place the product right side up at all times.</p>
	<p>Do not place near any liquids.</p>
	<p>Before cleaning, unplug the power cord. Wipe with damp paper towels. Do not use chemical or aerosol cleaners.</p>
	<p>To prevent the unit from falling over, do not place on carts or any unstable surfaces.</p>
	<p>The power cord must plug in to the correct supply voltage. Make sure that the supplied AC voltage is correct and stable.</p>
	<p>To remove all electrical current from the device, ensure that all power cords are disconnected from the power source.</p>
	<p>Risk of explosion if battery is replaced with an incorrect type. Dispose of used batteries appropriately.</p>

# Hardware Setup

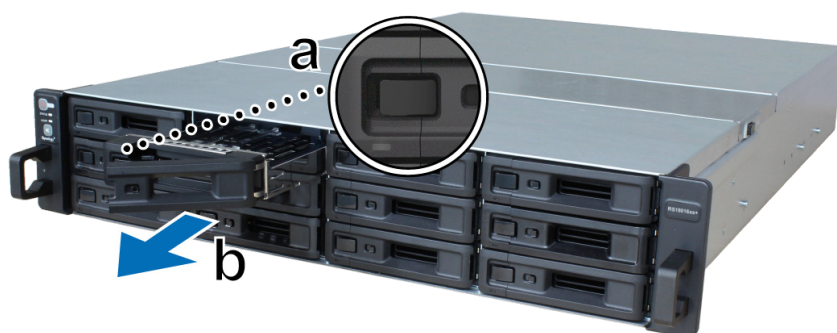
## Tools and Parts for Drive Installation

- A screwdriver
- At least one 3.5" or 2.5" SAS/SATA drive (please visit [www.synology.com](http://www.synology.com) for compatible drive models.)

**Warning:** If you install a drive that contains data, the system will format the drive and erase all existing data. Please back up any important data before installation.

## Install Drives

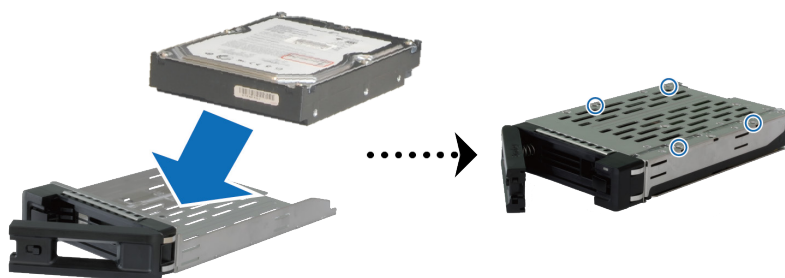
- 1 Open the drive tray.



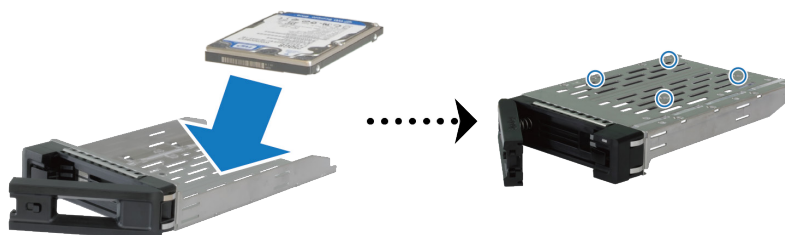
- a Find the small button located on the left side of the drive tray handle. Press the button down, and the drive tray handle will pop out.
- b Pull the drive tray handle out as illustrated above.

- 2 Install drives:

- **For 3.5" drives:** Place the drive in the drive tray. Turn the tray upside down and tighten screws into the four spots indicated below to secure the drive.



- **For 2.5" drives:** Place the drive in the drive tray. Turn the tray upside down and tighten screws into the four spots indicated below to secure the drive.



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



**Note:** Make sure the tray is pushed in all the way. Otherwise, the drive might not be able to function properly.

- 4 Push the handle inward to secure the drive tray.
- 5 Push the switch on the drive tray handle to the left to lock the drive tray.



- 6 Repeat the steps above to assemble the other drives you have prepared.
- 7 Drives are numbered as shown below.



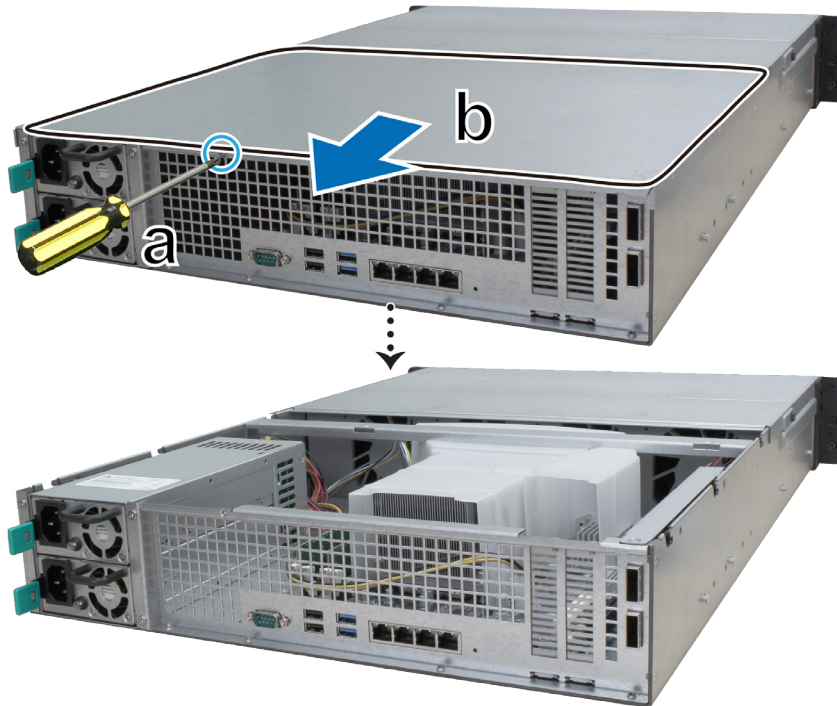
**Note:** If you want to create a RAID volume, we recommend all installed drives be the same size in order to optimize drive capacity usage.

## Add a RAM Module on RackStation

The optional Synology RAM module is designed for RackStation memory expansion. Follow the steps below to install, check, or remove a RAM module on your RackStation.

### To install the RAM module:

- 1 Shut down your RackStation. Disconnect all cables connected to your RackStation to prevent any possible damage.
- 2 Remove the rear top cover:

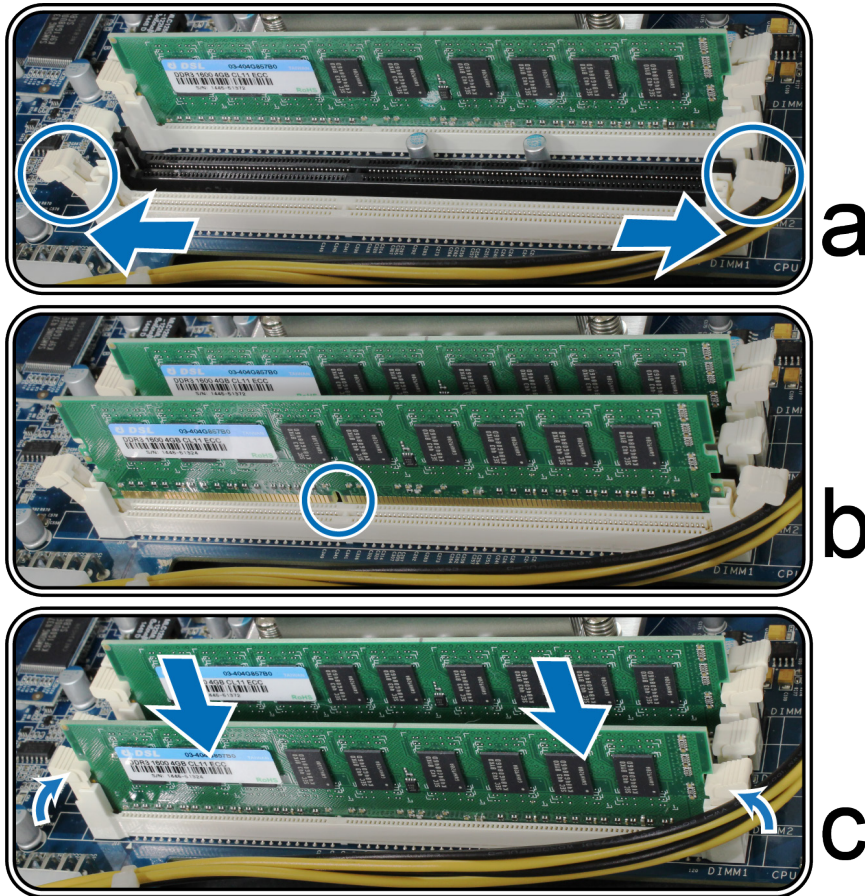


- a** Remove the screw on the back of RackStation.  
**b** Pull the rear top cover, and put it aside.

**Note:** When you remove the rear top cover, you expose sensitive internal components. Avoid touching anything other than the memory assembly when you remove or add memory.

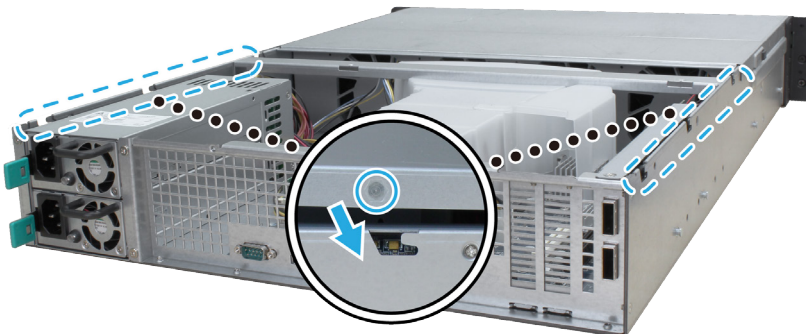


- 3 Insert the new memory module in the slot:
  - a Push the retaining clips on the slot out to the sides.
  - b Align the notch on the gold edge of the module with the notch in the memory slot.
  - c Push down on the memory module with firm and even pressure. The retaining clips will snap into position as the module is correctly inserted.



**Note:** Hold the memory module by its edges, and do not touch the gold connectors.

- 4 Put back the rear top cover you lifted in step 2.
  - a Align the hexagons at the side of rear top cover with the slots on the chassis' edge, and push the rear top cover back in position.



- b Put back and fasten the screw you removed in step 2-a.

**To make sure RackStation recognizes the new memory capacity:**

- 1 Log in to DSM as **admin** or a user belonging to the **administrators** group.
- 2 Check **Total Physical Memory** in **Control Panel > Info Center**.

If your RackStation does not recognize the memory or does not start up successfully, confirm that the memory is installed correctly.

### To remove the RAM Module:

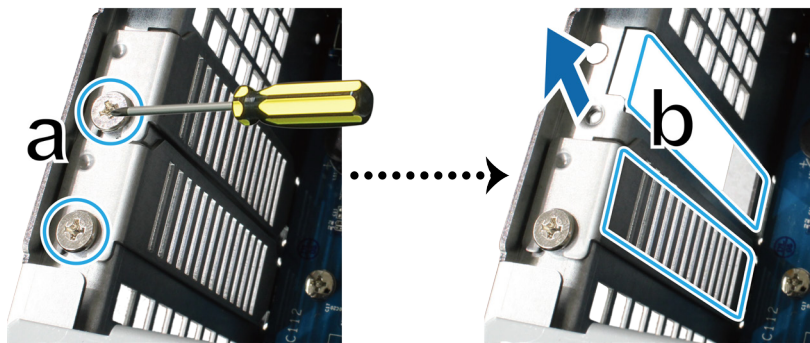
- 1 Follow step 1 and 2 of the “To install the RAM module” section to shut down your RackStation, disconnect the cables, and then remove the rear top cover.
- 2 Disengage the memory retaining clips by pushing them outwards, and the module will pop out of the slot.
- 3 Follow step 4 of the “To install the RAM module” section to put back the top cover.

## Attach Network Interface Cards to the RackStation

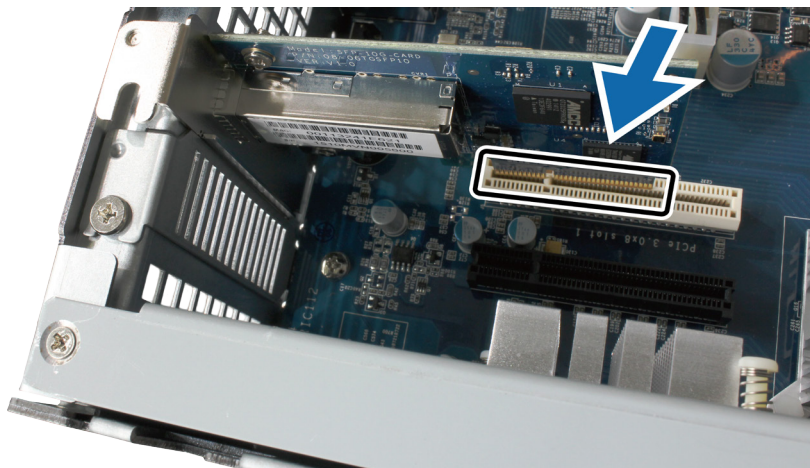
Your RackStation supports two PCIe x8 add-on network interface cards.<sup>1</sup> You need to replace the long bracket (suited for PC) in your network interface card with the short bracket before installing the card on your RackStation.

### To install the network interface card:

- 1 Shut down your RackStation. Disconnect all cables connected to your RackStation to prevent any possible damages.
- 2 Open the RackStation by following step 2 of **Add a RAM Module on RackStation**.
- 3 Install the network interface card.
  - a Remove the screw that secures the expansion slot’s cover.
  - b Lift the expansion slot’s cover.



- c Align the card’s connector with the expansion slot, and insert the card into the slot.



**Note:** Make sure the connector is fully inserted. Otherwise, the network interface card might not be able to function properly.

<sup>1</sup> For more information about supported 10GbE or Gigabit network interface cards, please visit [www.synology.com](http://www.synology.com).

- d Put back and fasten the screw that you removed in step 3-a so as to secure the newly inserted card.



- 4 Repeat step 3 to install the other network interface card for your RackStation.
- 5 Put back the rear top cover by following step 4 of **Add a RAM Module on RackStation**.

## Replace System Fan

If a system fan malfunctions, please see the instructions below to open the RackStation and replace the malfunctioning fan.

- 1 Press the small buttons located on the sides of the RackStation.

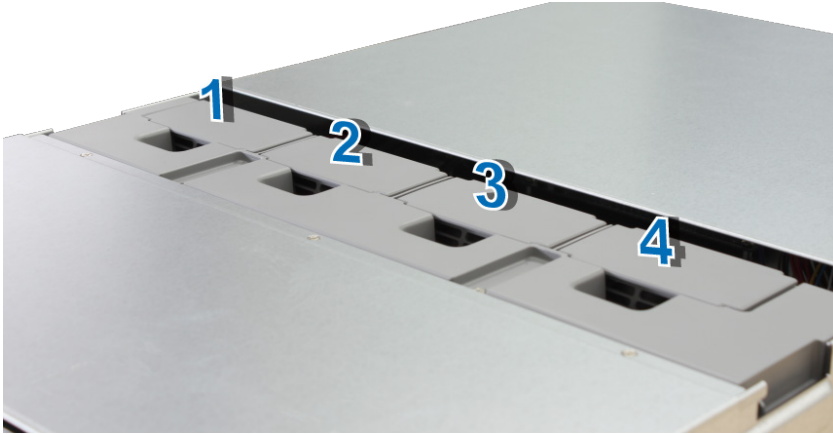


- 2 Lift to remove the fan cover.

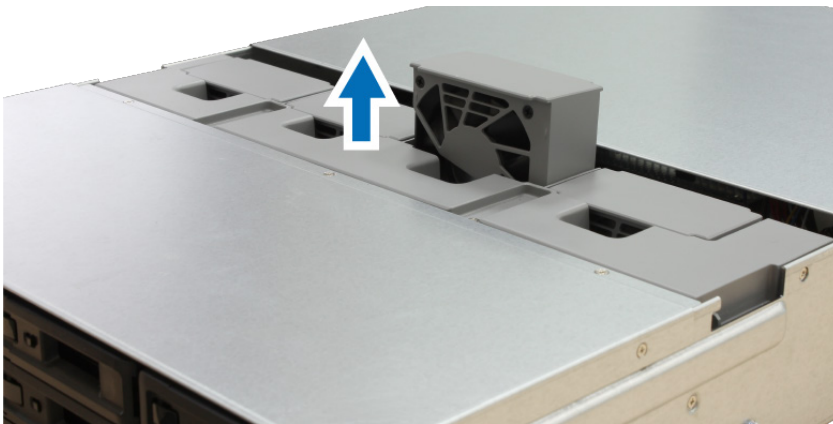




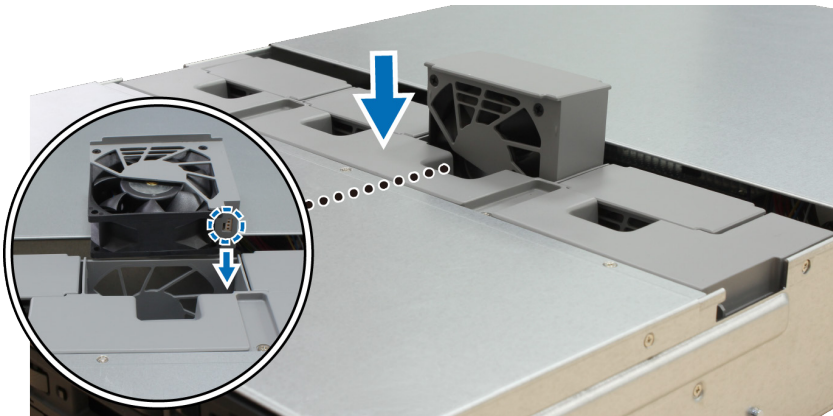
3 Fans are numbered as indicated below:



4 Find the malfunctioning fan. Lift the fan upward to remove it.



5 Prepare a new fan, and slide it into the RackStation. Make sure the fan is aligned properly as illustrated below.



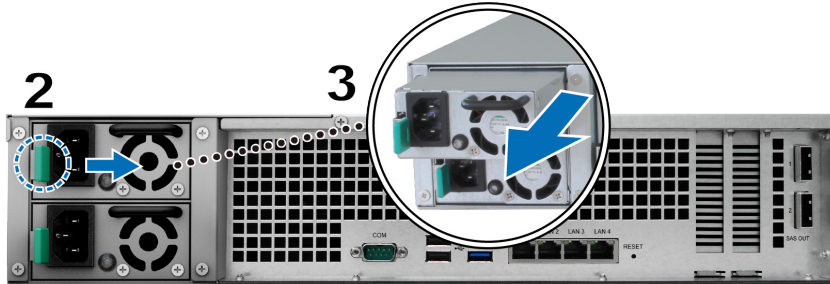
## Replace Malfunctioning PSU

If a PSU or its fan malfunctions, please see the instructions below to replace the malfunctioning PSU.

- 1 Unplug the power cord from the PSU to be replaced.

**Note:** By pressing the **Beep Off** button, you can silence the long beeping sound when you hear it.

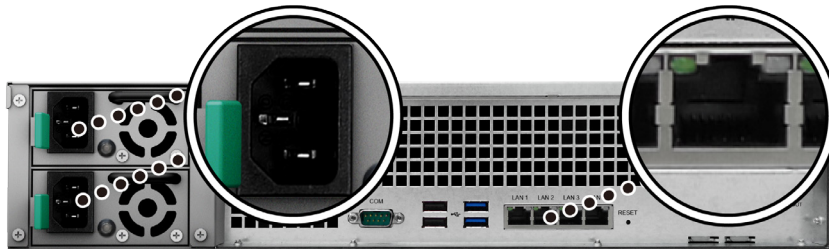
- 2 Push the lever of the PSU at the back panel in the indicated direction.
- 3 Pull out the PSU from the RackStation.



- 4 Prepare a new PSU, and push it back to the slot until you hear a click.

## Start Up Your RackStation

- 1 Connect one end of each power cord to the power ports located on the back of the RackStation and the other end to a power outlet.
- 2 Connect at least one LAN cable to one of the LAN ports and the other end to your switch, router, or hub.



- 3 Press the power button to turn on the RackStation.



Congratulations! Your RackStation is now online and detectable from a network computer.

# Install DSM on RackStation

After hardware setup is finished, please install DiskStation Manager (DSM) – Synology's browser-based operating system – on your RackStation.

## Install DSM with Web Assistant

Your RackStation comes with a built-in tool called **Web Assistant** that helps you download the latest version of DSM from the Internet and install it on your RackStation. To use Web Assistant, please follow the steps below.

- 1 Power on the RackStation.
- 2 Open a web browser on a computer connected to the same network as the RackStation.
- 3 Enter either of the following into the address bar of your browser:
  - a [find.synology.com](http://find.synology.com)
  - b `rackstation:5000`
- 4 Web Assistant will be launched in your web browser. It will search for and find the RackStation within the local network. The status of the RackStation should be **Not Installed**.



- 5 Click **Connect** to start the setup process and follow the onscreen instructions.

**Note:**

1. The RackStation must be connected to the Internet to install DSM with Web Assistant.
2. Suggested browsers: Chrome, Firefox.
3. Both the RackStation and the computer must be in the same local network.

- 6 If you accidentally leave the installation process before it is finished, login to the DSM as **admin** (default administrative account name) with the password left blank.

## Learn More

Congratulations! Your RackStation is now ready for action. For more information or online resources about your RackStation, please visit [www.synology.com](http://www.synology.com).

# Specifications

Item	RS18016xs+
Internal Drive	3.5" / 2.5" SAS / SATA III / SATA II x 12
Maximum Raw Capacity	<ul style="list-style-type: none"> <li>• 96 TB (12 x 8 TB HDD)</li> <li>• 1440 TB with RX1216sas (expansion unit) x 14</li> </ul>
External Device Port	<ul style="list-style-type: none"> <li>• USB 3.0 x 2</li> <li>• USB 2.0 x 2</li> <li>• SAS OUT x 2</li> </ul>
LAN Port	1GbE (RJ-45) x 4
PCIe Slot	PCIe x8 add-on network interface card x 2 (optional)
Size (H x W x D) (mm)	88 x 430 x 692
Weight (kg)	14.5
Supported Client	<ul style="list-style-type: none"> <li>• Windows XP onward</li> <li>• Mac OS X 10.5 onward</li> <li>• Ubuntu 9.04 onward</li> </ul>
File System	<ul style="list-style-type: none"> <li>• Internal: Btrfs, ext4</li> <li>• External: Btrfs, ext4, ext3, FAT, NTFS, HFS+</li> </ul>
Supported RAID Type	<ul style="list-style-type: none"> <li>• Basic • JBOD • RAID 0 • RAID 1</li> <li>• RAID 5 • RAID 6 • RAID 10</li> </ul>
Agency Certification	• FCC Class A • CE Class A • BSMI Class A
HDD Hibernation	Yes
Scheduled Power On/Off	Yes
Wake on LAN	Yes
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</li> <li>• Türkçe • Český • 日本語 • 한국어 • 繁體中文 • 简体中文</li> </ul>
Environment Requirement	<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: -5 to 140°F (-20 to 60°C)</li> <li>• Relative Humidity: 5% to 95% RH</li> </ul>

**Note:** Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

# LED Indicator Table

LED Indicator	Color	Status	Description
Power	Blue	Static	Powered on
		Blinking	Booting up / Shutting down
	Off		Powered off
STATUS	Green	Static	Volume normal
	Orange	Blinking	Volume degraded / Volume crashed
			Volume not created
			DSM not installed
Off		HDD hibernation	
ALERT	Orange	Blinking	Fan failure / Over temperature
	Off		System normal
Drive Status Indicator (on tray)	Green	Static	Drive ready and idle
		Blinking	Accessing drive
	Red	Static	Drive error
	Off		No internal drive
PSU Indicator	Green	Static	Power supply unit normal
	Off		Power supply unit off
Rear LAN (on left side of jack)	Green	Static	Network connected
		Blinking	Network active
	Off		No network
Rear LAN (on right side of jack)	Green	Static	Gigabit connection
	Orange	Static	100 Mbps connection
	Off		10 Mbps connection / No network

**Note:** Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.



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**SYNOLOGY, INC.**  
**LIMITED PRODUCT WARRANTY**

THIS LIMITED WARRANTY ("WARRANTY") APPLIES TO THE PRODUCTS (AS DEFINED BELOW) OF SYNOLOGY, INC. AND ITS AFFILIATES, INCLUDING SYNOLOGY AMERICA CORP, (COLLECTIVELY, "SYNOLOGY"). YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS WARRANTY BY OPENING THE PACKAGE CONTAINING AND/OR USING THE PRODUCT. IF YOU DO NOT AGREE TO THE TERMS OF THIS WARRANTY, DO NOT USE THE PRODUCT. INSTEAD, YOU MAY RETURN THE PRODUCT TO THE RESELLER WHERE YOU PURCHASED IT FOR A REFUND IN ACCORDANCE WITH THE RESELLER'S APPLICABLE RETURN POLICY.

**Section 1. Definitions.** (a) "New Product", including: (1) "Category I Product" means Synology product models RS810+, RS810RP+, RX410, all DS/RS NAS models with the XS+/XS suffix (except RS3413xs+) in or after 13-series, all DX/RX expansion units with 12 drive bays in or after 13-series, E10G15-F1, ECC RAM Module Kit (4GB/8GB/16GB), and DDR3 RAM Module (4GB). (2) "Category II Product" means Synology product models RS3413xs+, RS3412xs, RS3412RPxs, RS3411xs, RS3411RPxs, RS2211+, RS2211RP+, RS411, RS409RP+, RS409+, RS409, RS408-RP, RS408, RS407, DS3612xs, DS3611xs, DS2411+, DS1511+, DS1010+, DS710+, DS509+, DS508, EDS14, RX1211, RX1211RP, RX4, DX1211, DX510, DX5, VS360HD, VS240HD, DDR2/DDR3 RAM Module (1GB/2GB), and ECC RAM Module (2GB). (3) "Category III Product" means Synology product models that apply with the following requirements: all DS NAS models without the XS+/XS suffix and with 5 and more drive bays in or after 12-series, all RS NAS models without the XS+/XS suffix in or after 12-series, and all DX/RX expansion units with 4 or 5 drive bays in or after 12-series. (4) "Category IV Product" means all other Synology product models purchased by Customer after March 1, 2008. (5) "Category V Product" means all other Synology product models purchased by Customer before February 29, 2008. (b) "Refurbished Product" means all Synology products which have been refurbished and sold directly by Synology through Online Store, not including those sold by an authorized Synology distributor or reseller. (c) "Customer" means the original person or entity purchasing the Product from Synology or an authorized Synology distributor or reseller. (d) "Online Store" means an online shop operated by Synology or Synology's affiliate. (e) "Product" means a New Product or a Refurbished Product and any hardware incorporated into the Product by Synology and any accompanying documentation. (f) "Software" means the Synology proprietary software that accompanies the Product when purchased by Customer, is downloaded by Customer at the Web Site, or is pre-installed on the Product by Synology, and includes any firmware, associated media, images, animations, video, audio, text and applets incorporated into the software or Product and any updates or upgrades to such software. (g) "Warranty Period" means the period commencing on the date the Product is purchased by Customer and ending (1) five years after such date for Category I Products; (2) three years after such date for Category II & III Products; or (3) two years after such date for Category IV Products; or (4) one year after such date for Category V Products; or (5) 90 days after such date for Refurbished Products, except for those sold as "as is" or with "no warranty" on Online Store. (h) "Web Site" means the Synology web site located at [www.synology.com](http://www.synology.com).

**Section 2. Limited Warranty and Remedies**

**2.1 Limited Warranty.** Subject to Section 2.6, Synology warrants to Customer that each Product (a) will be free of material defects in workmanship and (b) under normal use will perform substantially in accordance with Synology's published specifications for the Product during the Warranty Period. Synology warrants the Software as set forth in the accompanying end user license agreement provided with the Product, if any. Synology provides no warranty to Refurbished Product sold as "as is" or with "no warranty" on Online Store.

**2.2 Exclusive Remedy.** If Customer gives notice of noncompliance with any of the warranties set forth in Section 2.1 within the applicable Warranty Period in the manner set forth below, then, upon verification of the noncompliance by Synology, Synology will, at Synology's option: (a) use commercially reasonable efforts to repair the Product, or (b) replace the noncomplying Product or part thereof upon return of the complete Product in accordance with Section 2.3. The foregoing sets forth Synology's entire liability and Customer's sole and exclusive remedy for any breach of warranty under Section 2.1 or any other defect or deficiency in the Product. Customer will reasonably assist Synology to diagnose and validate any nonconformity with the Product. The warranty set forth in Section 2.1 does not include: (1) any warranty relating to the Software; (2) physical installation or removal of the Product from Customer's site; (3) visits to Customer's site; (4) labor necessary to effect repairs or replace defective parts other than during Synology's or its contracted service providers' normal local business hours, exclusive of weekends and service providers' holidays; (5) any work with any third party equipment or software; (6) any warranty of the hard disk if installed by Customer or any other third party; or (7) any warranty of compatibility with the hard disk.

**2.3 Return.** Any Product returned by Customer under Section 2.2 must be assigned a Return Merchandise Authorization ("RMA") number by Synology before shipment and must be returned in accordance with Synology's then current RMA procedures. Customer may contact any authorized Synology distributor or reseller or Synology Support to obtain assistance in obtaining an RMA, and must provide proof of purchase and product serial number when asking for such assistance. For warranty claims, Customer must return the complete Product to Synology in accordance with this Section 2.3 to be eligible for coverage under this Warranty. Any Product returned without an RMA number, or any Product that has been disassembled (except under the direction of Synology) will be refused and returned to Customer at Customer's expense. Any Product that has been assigned a RMA number must be returned in the same condition as it was received from Synology to the address designated by Synology, freight pre-paid, in packaging sufficient to protect the contents thereof and with the RMA number prominently displayed on the outside of the box. Customer is responsible for insurance and risk of loss with respect to returned items until they are properly received by Synology. A Product issued a RMA number must be returned within fifteen (15) days after issuance of the applicable RMA number.

**2.4 Replacement by Synology.** If Synology elects to replace any Product under this Warranty set forth in Section 2.1, then Synology will ship a replacement Product at Synology's expense via the shipping method selected by Synology after receipt of the nonconforming Product returned in accordance with Section 2.3 and validation by Synology that the Product does not conform to the warranty. In some countries, Synology may at its own discretion apply the Synology Replacement Service to certain Products, through which Synology will ship a replacement Product to Customer before its receipt of the nonconforming Product returned by Customer ("Synology Replacement Service").

**2.5 Support.** During the Warranty Period, Synology will make available to Customer the support services. Following

the expiration of the applicable Warranty Period, support for Products may be available from Synology upon written request.

**2.6 Exclusions.** The foregoing warranties and warranty obligations do not apply to any Product that (a) has been installed or used in a manner not specified or described in the Product specifications; (b) has been repaired, modified or altered by anyone other than Synology or its agent or designee; (c) has been in any way misused, abused, or damaged; (d) has been used with items not provided by Synology other than the hardware or software for which the Product is designed; or (e) otherwise fails to conform to the Product specifications and such failure is attributable to causes not within or under Synology's control. Further, the foregoing warranties will be void if (1) Customer disassembles the Product except as authorized by Synology; (2) Customer fails to implement any correction, modification, enhancement, improvement or other update made available to Customer by Synology; or (3) Customer implements, installs or uses any correction, modification, enhancement, improvement or other update made available by any third party. The warranty set forth in Section 2.1 will terminate upon Customer's sale or transfer of the Product to a third party.

**2.7 Disclaimer of Warranties.** THE WARRANTIES, OBLIGATIONS, AND LIABILITIES OF SYNOLOGY AND THE REMEDIES OF CUSTOMER SET FORTH IN THIS WARRANTY ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND CUSTOMER HEREBY WAIVES, RELEASES AND DISCLAIMS, ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES OF SYNOLOGY AND ALL OTHER RIGHTS, CLAIMS AND REMEDIES OF CUSTOMER AGAINST SYNOLOGY, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO THE PRODUCT, ACCOMPANYING DOCUMENTATION OR SOFTWARE AND ANY OTHER GOODS OR SERVICES DELIVERED UNDER THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO ANY: (A) IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE; (B) IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE; (C) CLAIM OF INFRINGEMENT OR MISAPPROPRIATION; OR (D) CLAIM IN TORT (WHETHER BASED ON NEGLIGENCE, STRICT LIABILITY, PRODUCT LIABILITY OR OTHER THEORY). SYNOLOGY MAKES NO GUARANTEE AND SPECIFICALLY DISCLAIMS ANY WARRANTY THAT THE DATA OR INFORMATION STORED ON ANY SYNOLOGY PRODUCT WILL BE SECURE AND WITHOUT RISK OF DATA LOSS. SYNOLOGY RECOMMENDS THAT CUSTOMER TAKES APPROPRIATE MEASURES TO BACK UP THE DATA STORED ON THE PRODUCT. SOME STATES/JURISDICTIONS DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO CUSTOMER.

### Section 3. Limitations of Liability

**3.1 Force Majeure.** Synology will not be liable for, or be considered to be in breach of or default under this Warranty on account of, any delay or failure to perform as required by this Warranty as a result of any cause or condition beyond its reasonable control (including, without limitation, any act or failure to act by Customer).

**3.2 Disclaimer of Certain Damages.** IN NO EVENT WILL SYNOLOGY OR ITS SUPPLIERS BE LIABLE FOR THE COST OF COVER OR FOR ANY INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL OR SIMILAR DAMAGES OR LIABILITIES WHATSOEVER (INCLUDING, BUT NOT LIMITED TO LOSS OF DATA, INFORMATION, REVENUE, PROFIT OR BUSINESS) ARISING OUT OF OR RELATING TO THE USE OR INABILITY TO USE THE PRODUCT, ANY

ACCOMPANYING DOCUMENTATION OR SOFTWARE AND ANY OTHER GOODS OR SERVICES PROVIDED UNDER THIS WARRANTY, WHETHER BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHER THEORY EVEN IF SYNOLOGY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**3.3 Limitation of Liability.** SYNOLOGY'S AND ITS SUPPLIERS' LIABILITY ARISING OUT OF OR RELATING TO THE USE OR INABILITY TO USE THE PRODUCT, ANY ACCOMPANYING DOCUMENTATION OR SOFTWARE AND ANY OTHER GOODS OR SERVICES PROVIDED UNDER THIS WARRANTY IS LIMITED TO THE AMOUNT ACTUALLY PAID BY CUSTOMER FOR THE PRODUCT REGARDLESS OF THE AMOUNT OF DAMAGES CUSTOMER MAY INCUR AND WHETHER BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHER THEORY. The foregoing disclaimer of certain damages and limitation of liability will apply to the maximum extent permitted by applicable law. The laws of some states/jurisdictions do not allow exclusion or limitation of certain damages. To the extent that those laws apply to the Product, the exclusions and limitations set forth above may not apply to Customer.

### Section 4. Miscellaneous

**4.1 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.