



Synology RackStation RS1619xs+

Hardware Installation Guide

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Before You Start

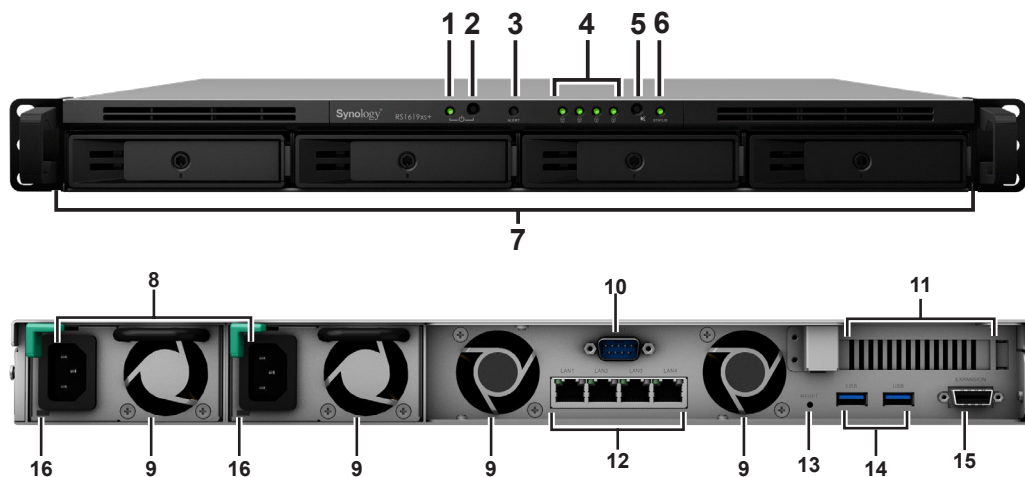
Thank you for purchasing this Synology product! Before setting up your new RackStation, please check the package contents to verify that you have received the items below. Also, make sure to read the safety instructions carefully to avoid harming yourself or damaging your RackStation.

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	
			
Screws for 3.5" drives x 20	Screws for 2.5" drives x 20	Rack mount kit x 2	
			
Rack mount kit screws x 8	Screws for M. 2 drives x 3	Drive tray key x 2	
			

Synology RackStation at a Glance



No.	Article Name	Location	Description
1	Power Indicator	Front	Displays power status of the RackStation. For more information, see "Appendix B: LED Indicator Table".
2	Power Button		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.
3	Alert Indicator		Displays warnings regarding fan or temperature. For more information, see "Appendix B: LED Indicator Table".
4	Drive Status Indicator		Displays the status of drives. For more information, see "Appendix B: LED Indicator Table".
5	Beep Off Button		Press to deactivate the beeping sound that is emitted when a malfunction occurs.
6	Status Indicator		Displays the status of the system. For more information, see "Appendix B: LED Indicator Table".
7	Drive Tray		Install drives here.
8	Power Port	Back	Connect power cords here to supply power to your RackStation.
9	Fan		Disposes of excess heat and cools the system.
10	Console Port		For manufacturing use only.
11	PCI Express Expansion Slot		Supports one PCIe x8 slot (x4 link) add-on card.
12	LAN Port		Connect network cables here.
13	RESET Button		1. Press and hold until you hear a beep sound to restore the default IP address, DNS server, and password for the admin account. ¹ 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.
14	USB 3.0 Port		Connect external drives or other USB devices to the RackStation here.
15	Expansion Port		Connect Synology Expansion Unit ² to the RackStation here.
16	Redundant Power LED		Displays the status of redundant powers supplies.

¹ You can keep the current admin password unchanged by ticking the "Keep current admin password unchanged" checkbox in DSM Control Panel > Update & Restore > Reset.

² For more information about Synology Expansion Unit supported by your RackStation, please visit www.synology.com.






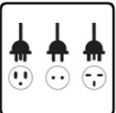
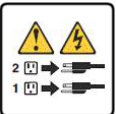

System Fans

If any fan failure occurs, please refer to the images below to locate the failed fan(s) indicated in DSM. The fans are numbered as below:



To replace the failed fan(s), please contact Synology Technical Support at www.synology.com/support for technical assistance.

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 one. Dispose used batteries appropriately.</p>

Hardware Setup

Tools and Parts for Drive Installation

- A screwdriver.
- At least one 3.5" or 2.5" SATA drive (please visit 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 important data before installation.

Install Rack mounts

Fix the two rack mount kits on both sides with the screws provided.



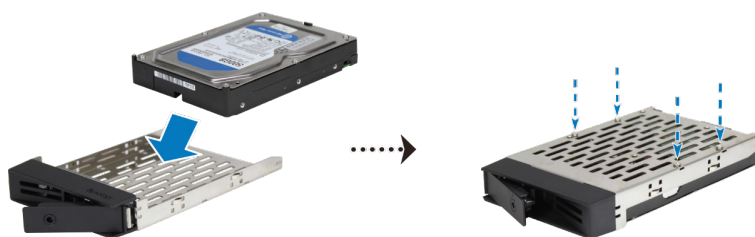
Install Drives

- 1 Pull the drive tray handle outwards to remove the tray.



- 2 Load drives into the drive trays.

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



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



Important: Make sure the drive tray is pushed all the way in or the drive may not function properly.

- 4 Push the handle inward to secure the drive tray.
- 5 Insert the drive tray key into the drive tray lock, turn the key clockwise to lock the handle of the drive tray, and remove the key.



- 6 Repeat the steps above to install all prepared drives.
- 7 Drives are numbered as shown below.



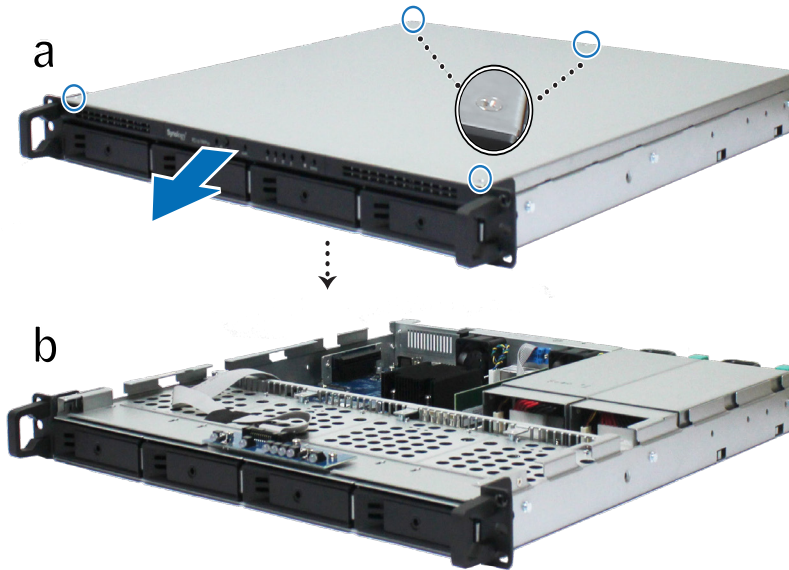
Note: If you want to create a RAID volume, we recommend installing drives of the same size. This would optimize drive capacity usage.

Add RAM Modules to RackStation

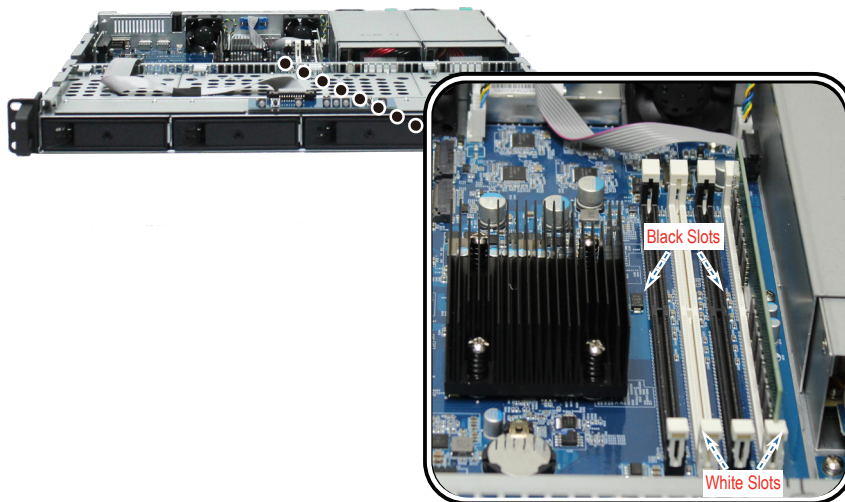
The optional Synology RAM module is designed for RackStation memory expansion. Follow the steps below to install, check, or remove a RAM module on your RackStation.

To install a RAM module:

- 1 Shut down your RackStation and disconnect all cables to prevent any possible damage.
- 2 Remove the top cover:
 - a Loosen the four screws of the top cover of your RackStation with a screwdriver. Respective screw position is indicated above.
 - b Push the top cover towards the front of your RackStation and lift it.



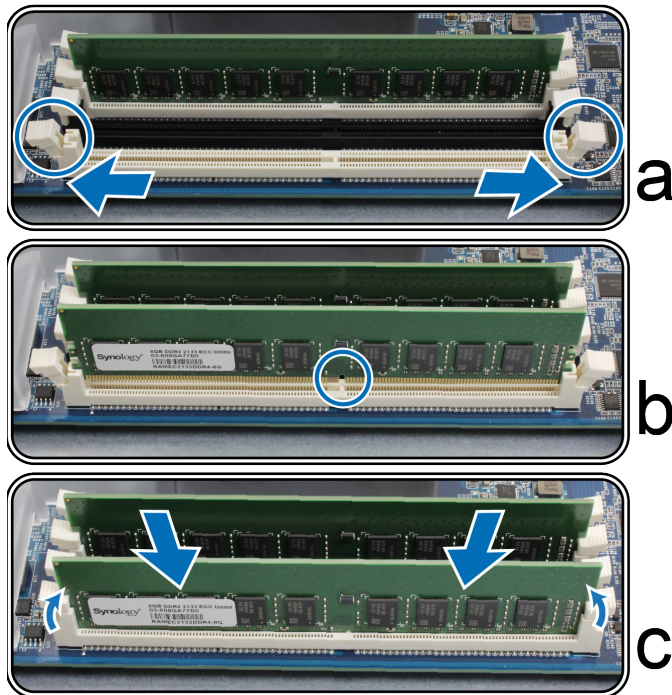
Note: When you remove the top cover, you expose sensitive internal components. Avoid touching anything other than the memory assembly when you remove or add memory.



Note:

1. For normal operations, you must insert your RAM modules into the **white** slots first.
2. Synology will not provide complete product warranty or technical support if non-Synology RAM modules are used for memory upgrade.

- 3 Insert the new memory module:
 - a Push the retaining clips on the slot outwards.
 - b Align the gold edge of the module with the memory slot.
 - c Firmly push the memory module down. The retaining clips will snap into position if the module is correctly inserted.



Important: Hold the memory module by its edges. Do not touch the golden connectors.

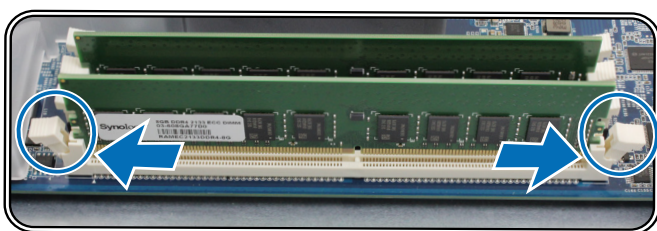
To make sure RackStation recognizes the new memory capacity:

- 1 Install DiskStation Manager (DSM). (See [Install DSM with Web Assistant](#) for more information.)
- 2 Log in to DSM as **admin** or a user in the **administrators** group.
- 3 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 a RAM Module:

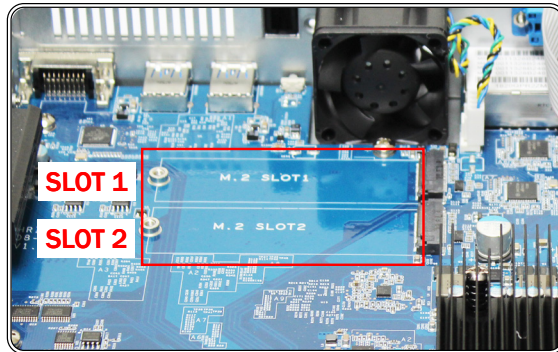
- 1 Follow step 1 and 2 of **Add RAM Modules to RackStation** to shut down your RackStation. Disconnect all cables and remove the top cover.
- 2 Disengage the memory retaining clips by pushing them outwards. The module will pop out of the slot.
- 3 Follow **To return the top cover** to put back the top cover.



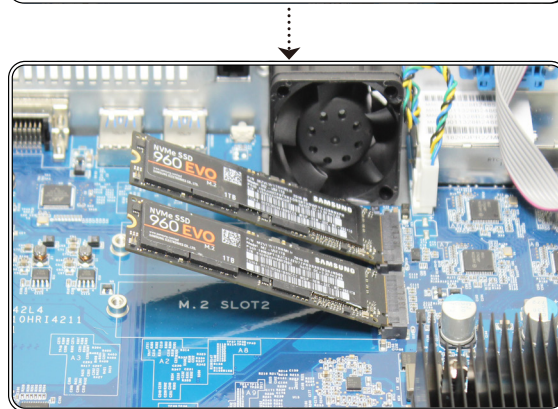
Attach SSDs to RackStation

Your RackStation supports optional M.2 2280 NVMe / SATA SSDs. Follow the steps below to add them to your RackStation.

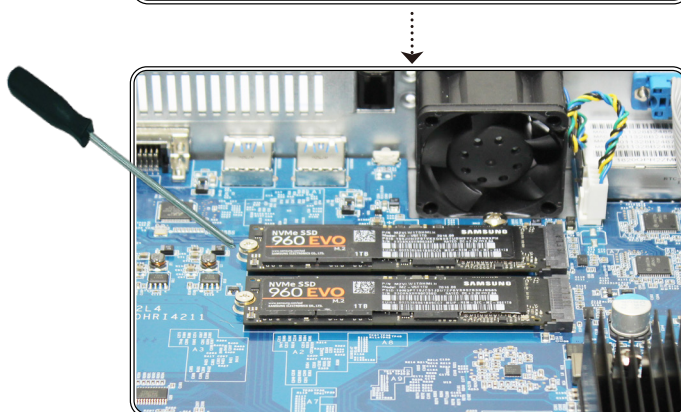
- 1 Follow step 1 and 2 of **Add RAM Modules to RackStation** to shut down your RackStation. Disconnect all cables and remove the top cover.
- 2 Insert a M.2 SATA SSD into SLOT1 (as shown below). Insert a second SSD in SLOT 2 if needed.
- 3 Tighten the SSD(s) with a screw.



1



2



3

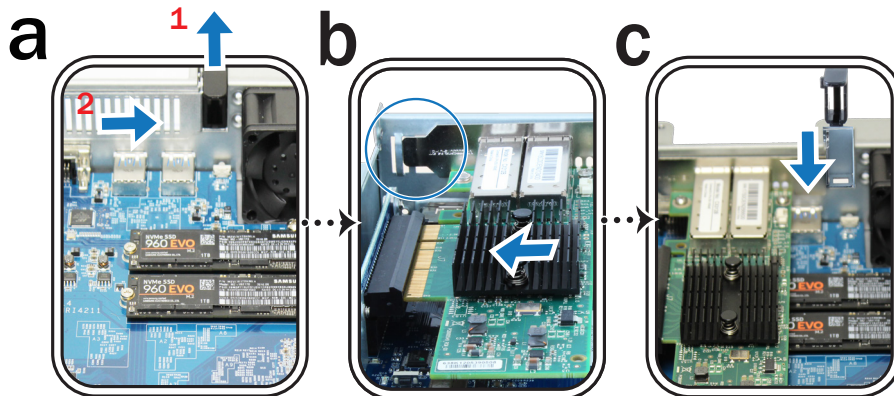
Important: Hold the SSD module by its edges and do not touch the golden connectors.

Attach A Network Interface Card to RackStation

Your RackStation supports one PCIe x8 add-on network interface card.¹

To install a network interface card:

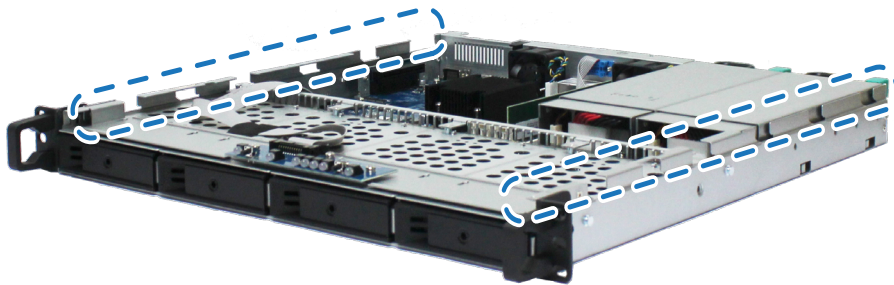
- 1 Follow step 1 and 2 of **Add RAM Modules to RackStation** to shut down your RackStation. Disconnect all cables and remove the top cover.
- 2 Insert your network interface card.
 - a Lift the black latch from the expansion slot cover. Remove the cover from the expansion slot.
 - b Align the gold connectors of the network interface card to the expansion slot and firmly insert the card.
 - c Put the black latch back to the expansion slot to fasten the network interface card.



Note: Make sure the connector is fully inserted or the network interface card may not function properly.

To return the top cover:

- 1 Align the round dots on the side of the top cover with the slots on the chassis' edge, then push the top cover back into position.

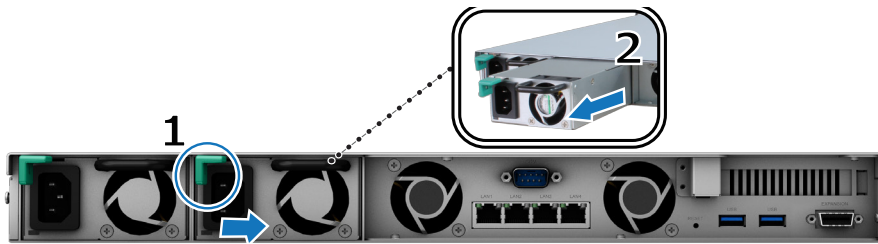


- 2 Fasten the four removed screws in step 2 of **To install a RAM module**.

¹ For more information about supported 10GbE or Gigabit network interface cards, please visit www.synology.com.

Replace Redundant Power Supplies on RackStation

- 1 Turn to the back of your RackStation and push the lever of the redundant power supply.
- 2 Pull the redundant power supply out.



- 3 Prepare a new power supply and push it into the slot until you hear a click.

Start Up RackStation

- 1 Turn to the back of your RackStation. Connect one end of each power cord to the power ports 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 your 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
 - 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. Your RackStation and 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.

Specifications

Item	RS1619xs+
Compatible Drive Type	<ul style="list-style-type: none"> • 3.5"/2.5" SATA x 4 • M.2 2280 NVMe/SATA SSD x 2
Maximum Internal Raw Capacity	<ul style="list-style-type: none"> • 48 TB (4 x 12 TB HDD) • 192 TB with RX1217 / RX1217RP (expansion unit) x 1
External Device Port	<ul style="list-style-type: none"> • USB 3.0 x 2 • Expansion port x 1
LAN Port	Gigabit x 4
PCIe Slot	PCIe Gen3 x8 slot for add-on card (optional)
Size (H x W x D) (mm)	44 x 430.5 x 483.6 (Not including rack mount kits) / 44 x 480 x 518.6 (Including rack mount kits)
Weight (kg)	8.16 KG
System Fan	2 x (40 x 40 x 28mm)
Supported Client	<ul style="list-style-type: none"> • Windows 7 and 10 • Mac OS x 10.11 onward
File System	<ul style="list-style-type: none"> • Internal: Btrfs, ext4 • External: Btrfs, ext4, ext3, FAT, NTFS, HFS+, exFAT¹
Supported RAID Type	<ul style="list-style-type: none"> • Basic • JBOD • RAID 0 • RAID 1 • RAID 5 • RAID 6 • RAID 10 • RAID F1 • Synology Hybrid RAID (Up to 2-Disk Fault Tolerance)
Agency Certification	<ul style="list-style-type: none"> • FCC Class A • CE Class B • BSMI Class A • EAC • VCCI • RCM • RoHS Compliant
HDD Hibernation	Yes
Scheduled Power On/Off	Yes
Wake on LAN	Yes
Language Localization	<ul style="list-style-type: none"> • English • Deutsch • Français • Italiano • Español • Dansk • Norsk • Svensk • Nederlands • Русский • Polski • Magyar • Português do Brasil • Português Europeu • Türkçe • Český • 日本語 • 한국어 • 繁體中文 • 简体中文
Environment Requirement	<ul style="list-style-type: none"> • Line voltage: 100V to 240V AC • Frequency: 50/60Hz • Operating Temperature: 40 to 95°F (5 to 35°C) • Storage Temperature: -5 to 140°F (-20 to 60°C) • Relative Humidity: 5% to 95% RH

Note: Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

¹ Support for exFAT can be enabled by purchasing and downloading exFAT Access in Package Center.

LED Indicator Table

LED Indicator	Color	Status	Description
Power	Green	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
Redundant Power	Green	Static	Power supply is ready
	Off		No power supply
Drive Status 1-4	Green	Static	Drive ready and idle
		Blinking	Accessing drive
	Orange	Static	Drive error ¹
	Off		No internal drive
Rear LAN (on right side of jack)	Green	Static	1 Gbps connected
	Orange	Static	100 Mbps connected
	Off		10 Mbps connected / No network
Rear LAN (on left side of jack)	Green	Static	Network connected
		Blinking	Network active
	Off		No network

Note: This table is applicable to Synology NAS running DSM 6.2.3 and earlier. For DSM 6.2.4 and above, please refer to [this article](#) for the latest information.

¹ Please try to restart your RackStation or re-insert the drive(s), and then run the HDD/SSD manufacturer's diagnostic tool to check the health status of the drive(s). If you can log into DSM, please run the built-in S.M.A.R.T. test to scan the drive(s). If the problem remains unresolved, please contact Synology Technical Support for help.

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Section 19. Attorneys' Fees. In any arbitration, mediation, or other legal action or proceeding to enforce rights or remedies under this EULA, 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.

Section 20. Severability. If any provision of this EULA is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the remainder of this EULA will remain in full force and effect.

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Section 1. Products

- (a) "Products" refer to New Products or Refurbished Products.
- (b) "New Product", includes: (1) "Category I Product" means Synology product models RS810+, RS810RP+, RX410, all FS-series models, all DS/RS NAS models with the XS+/XS suffix (except RS3413xs+) in or after 13-series, all DX/RX/RXD expansion units with 12 or more drive bays in or after 13-series, 10GbE NIC, ECC DDR4 and ECC DDR3 memory modules. (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+, DS509+, DS508, EDS14, RX1211, RX1211RP, RX4, DX1211, DX510, DX5, NVR1218, NVR216, VS960HD, VS360HD, VS240HD, M2D17, and all other non-ECC memory modules not included in Category I. (3) "Category III Product" means Synology product models that match 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 and any "spare parts" purchased directly from Synology.
- (c) "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.
- (d) Other definition: "Customer" means the original person or entity purchasing the Product from Synology or an authorized Synology distributor or reseller; "Online Store" means an online shop operated by Synology or Synology's affiliate; "Software" means the Synology proprietary software that accompanies the Product when purchased by Customer, is downloaded by Customer from 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.

Section 2. Warranty Period

- (a) "Warranty Period" : The warranty period commences 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; (3) two years after such date for Category IV Products; (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.
- (b) "Extended Warranty Period" : For Customer purchasing EW201 optional service for applicable Products specified in Section 1 (b), the Warranty Period specified in Section 2 (a) of the applicable Product registered with EW201 optional service will be extended by two years.

Section 3. Limited Warranty and Remedies

3.1 Limited Warranty. Subject to Section 3.6, Synology warrants to the 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. Such limited warranty does not apply to the Software which shall be subject to 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.

3.2 Exclusive Remedy. If Customer gives notice of noncompliance with any of the warranties set forth in Section 3.1 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 3.3 The foregoing sets forth Synology's entire liability and Customer's sole and exclusive remedy for any breach of warranty under Section 3.1 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 3.1 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.

3.3 Return. Any Product returned by Customer under Section 3.2 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 3.3 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 with a RMA number must be returned within fifteen (15) days after issuance of the applicable RMA number.

3.4 Replacement by Synology. If Synology elects to replace any Product under this Warranty set forth in Section 3.1, 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 3.3 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").

3.5 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.

3.6 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 3 will terminate upon Customer's sale or transfer of the Product to a third party.

3.7 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 4. Limitations of Liability

4.1 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).

4.2 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.

4.3 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 5. Miscellaneous

5.1 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.

5.2 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.

5.3 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.

5.4 Applicable Law. Unless explicitly prohibited by local law, this Warranty is governed by the laws of the State of Washington, U.S.A. for the Customers residing within the United States; and by the laws of the Republic of China (Taiwan) for Customers not residing within the United States, 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.

5.5 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 5.5. 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.

5.6 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.

5.7 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.

5.8 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.

5.9 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.

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