



Synology RackStation RC18015xs+
Expansion Unit RXD1215sas

Quick Installation Guide

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Appendix A: Specifications

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Before You Start




Thank you for purchasing Synology RackStation RC18015xs+ / RXD1215sas expansion unit! Before setting up your new RackStation/expansion unit, 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 Synology products. In the chapters below, we'll provide instructions to set up and start using the RackStation and expansion units.

* Synology RackStation **RC18015xs+** and **RXD1215sas** expansion unit are sold separately.







Note: RC18015xs+ is designed to work as a high-availability (HA) cluster. **Two** RC18015xs+ and **at least one** RXD1215sas expansion unit will be required to configure and set up the whole system and make it operate normally.

Package Contents

RC18015xs+

| Main unit x 1 | AC power cord x 2 |
|---|---|
|  |  |
| | Quick Installation Guide x 1 |
| |  |

RXD1215sas

| | | |
|---|---|---|
| Expansion unit x 1 | | AC power cord x 2 |
|  | |  |
| | | Quick Installation Guide x 1 |
| | |  |
| Screws for 3.5" drives x 52 | Screws for 2.5" drives x 52 | Mini-SAS cable x 2 |
|  |  |  |

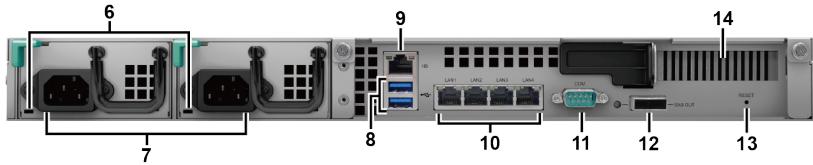
At a Glance

RC18015xs+

Front



Back



| No. | Article Name | Location | Description |
|-----|----------------------------|----------|---|
| 1 | Power Button and Indicator | Front | <ol style="list-style-type: none"> 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. <p>For more information, please see Appendix B: LED Indicator Table for RC18015xs+ on page 34.</p> |
| 2 | STATUS Indicator | | Displays the status of the system. For more information, please see Appendix B: LED Indicator Table for RC18015xs+ on page 34. |
| 3 | ALERT Indicator | | Displays warnings regarding fan or temperature status. For more information, please see Appendix B: LED Indicator Table for RC18015xs+ on page 34. |
| 4 | HA Indicator | | Displays the status of the high-availability (HA) cluster. For more information, please see Appendix B: LED Indicator Table for RC18015xs+ on page 34. |
| 5 | Beep Off Button | | Press to deactivate the beeping sound that is emitted when a malfunction occurs. |
| 6 | PSU Indicator | Back | Displays the status of the power supply unit (PSU). For more information, please see Appendix B: LED Indicator Table for RC18015xs+ on page 34. |
| 7 | Power Port | | Connect power cords here. |

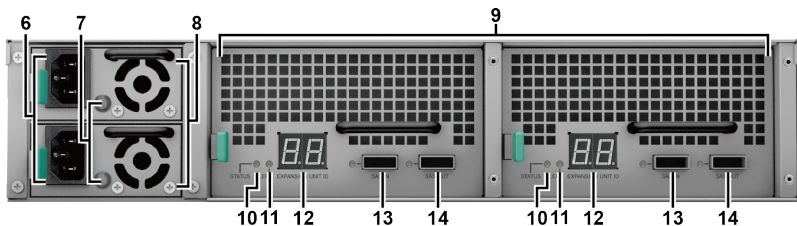
| No. | Article Name | Location | Description |
|-----|----------------------------|----------|---|
| 8 | USB 3.0 Port | Back | Connect external drives to the RackStation here. Note: Devices other than storage are not supported. USB external drives can only be used on the RackStation serving as active server. For more information, please refer to DiskStation Manager (DSM) Help > High Availability Manager . |
| 9 | Heartbeat LAN Port | | Connect to the other RackStation RC18015xs+ with an RJ-45 cord here to establish the HA cluster. |
| 10 | LAN Port | | Connect network cables here. |
| 11 | Console Port | | This port is used for manufacturing use only. |
| 12 | SAS-OUT Port | | Connect to the SAS-IN port of expansion unit with a mini-SAS cable here. |
| 13 | RESET Button | | <ol style="list-style-type: none"> Press and hold until you hear a beep sound to restore the default IP address, DNS server, and password for the admin account. 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 DSM can be reinstalled. |
| 14 | PCI Express Expansion Slot | | Supports a PCIe x8 add-on network interface card. For more information, please refer to Chapter 4: Attach a Network Interface Card to the RackStation on page 18. |

RXD1215sas

Front






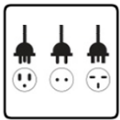
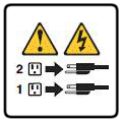



Back



| No. | Article Name | Location | Description |
|-----|-----------------------------|----------|--|
| 1 | Power Button and Indicator | Front | Press to manually power on the expansion unit. Note: When the expansion unit is working within a HA cluster, you cannot force a shutdown of it by pressing and holding its power button. |
| 2 | ALERT Indicator | | Displays warnings regarding fan or temperature status. For more information, please see Appendix B: LED Indicator Table for RXD1215sas on page 35. |
| 3 | Beep Off Button | | Press to deactivate the beeping sound that is emitted when a malfunction occurs. |
| 4 | Drive Status Indicators | | Displays the status of drives. For more information, please see Appendix B: LED Indicator Table for RXD1215sas on page 35. |
| 5 | Drive Tray | | Install drives (hard disk drives or solid state drives) here. |
| 6 | Power Port | Back | Connect power cords here. |
| 7 | PSU Indicator | | Displays the status of the PSU. For more information, please see Appendix B: LED Indicator Table for RXD1215sas on page 35. |
| 8 | PSU Fan | | Disposes of excess heat and cools the power supply unit (PSU). |
| 9 | SAS Modules | | Each module is to be connected to a RackStation or the SAS module at the same side of another expansion unit. |
| 10 | STATUS Indicator | | Displays the status of the module. For more information, please see Appendix B: LED Indicator Table for RXD1215sas on page 35. |
| 11 | ALERT Indicator | | Displays warnings regarding fan status of the module. For more information, please see Appendix B: LED Indicator Table for RXD1215sas on page 35. |
| 12 | Expansion Unit ID Indicator | | Indicates the ID number of the expansion unit. |
| 13 | SAS-IN Port | | Connects to the SAS-OUT port of a RackStation or another expansion unit. |
| 14 | SAS-OUT Port | | Connects to the SAS-IN port of another expansion unit. |

Safety Instructions

| | |
|---|--|
|  | Keep away from direct sunlight and away from chemicals. Make sure the environment does not experience abrupt changes in temperature or humidity. |
|  | Place the product right side up at all times. |
|  | Do not place near any liquids. |
|  | Before cleaning, unplug the power cord. Wipe with damp paper towels. Do not use chemical or aerosol cleaners. |
|  | To prevent the unit from falling over, do not place on carts or any unstable surfaces. |
|  | The power cord must plug in to the correct 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. |
|  | Risk of explosion if battery is replaced with an incorrect type. Dispose of used batteries appropriately. |

Hardware Setup

Tools and Parts for Drive Installation

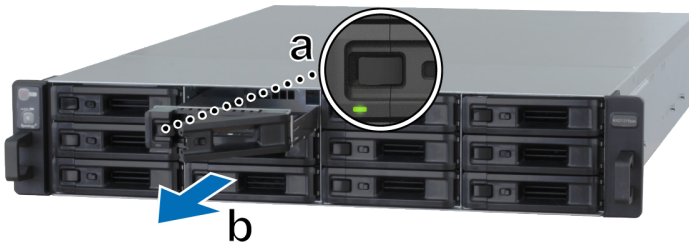
- A screwdriver
- At least **three** 3.5" or 2.5" SAS drives (please visit www.synology.com for compatible drive models.)

Warning:

1. If you install a drive that contains data, the system will format the drive and erase all data. If you still need the data, please back it up before installation.
2. SATA drives are not supported in RXD1215sas.

Install Drives in Synology RXD1215sas

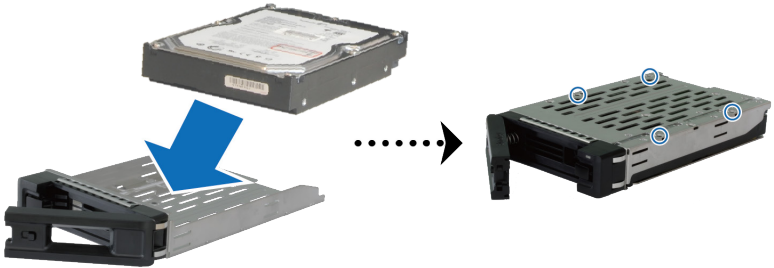
- 1 Open the drive tray.



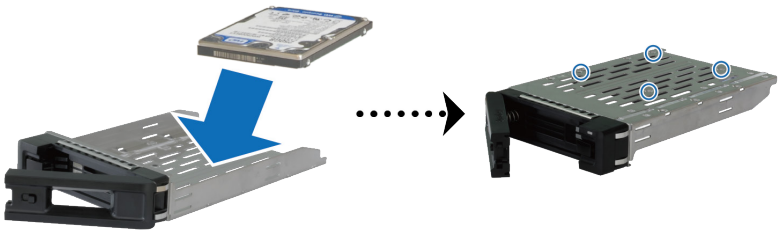
- a Find the small button located on the left side of the drive tray handle. Press the button down, and the drive tray handle will pop out.
- b Pull the drive tray handle out as illustrated above.

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:

1. Make sure the tray is pushed in all the way. Otherwise, the drive might not be able to function properly.
2. The HA cluster with RackStation RC18015xs+ requires at least **three** drives in the expansion unit(s) to operate normally.

- 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.

Connect with Synology RC18015xs+

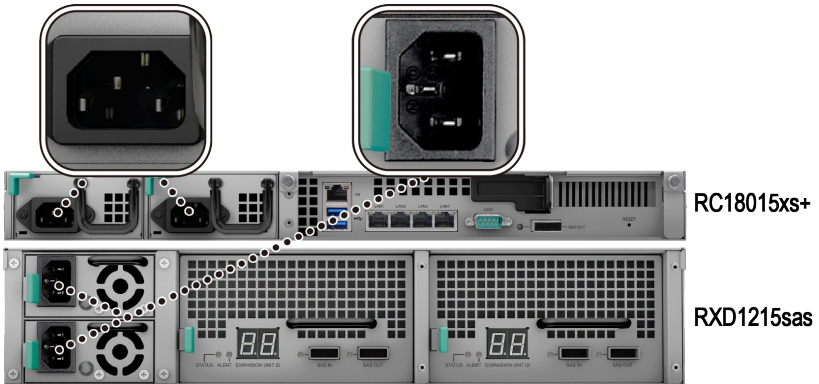
- 1 Use at least one LAN cable to connect each RackStation unit to your switch, router or hub.

Note: Both RackStation units of the HA cluster must be connected to the network in the identical way. For example, if you connect two LAN cables to the ports of LAN 1 and LAN 3 on a RackStation, you have to connect two LAN cables to the ports of LAN 1 and LAN 3 on the other RackStation to the network too.

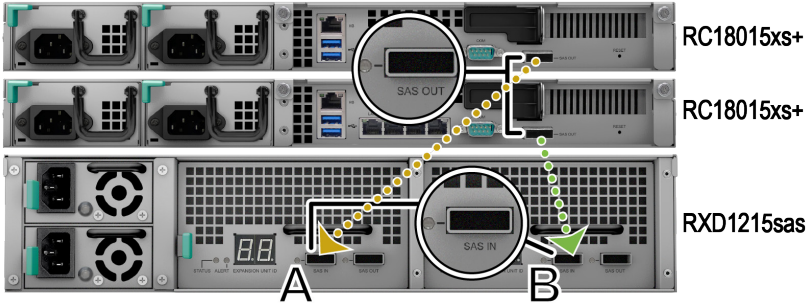
- 2 Connect one end of a LAN cable to the Heartbeat LAN port of a RackStation, and the other to the Heartbeat LAN port of the other RackStation.



- 3 Connect one end of the power cords to the power ports of each RackStation and expansion unit respectively, and the other to the power outlets.



4 Connect the expansion unit to both RackStation units with mini-SAS cables.



- a Connect one end of mini-SAS cable to the SAS-OUT port on a RackStation, and the other end to the SAS-IN port on **SAS module A** of the expansion unit.
- b Connect one end of mini-SAS cable to the SAS-OUT port on the other RackStation, and the other end to the SAS-IN port on **SAS module B** of the expansion unit.

Note: To add more expansion units, please refer to **Add More Expansion Units to the HA Cluster** on page 26.

5 Power on the RackStation.



Note:

1. When the RackStation units are in normal operation, your expansion units will automatically power on one by one if correctly connected. However, if you directly remove the mini-SAS cable from the system during operation, next time when you connect the expansion units to the system, you will need to press the power button manually.
2. We recommend to power on both the RackStation units before proceeding with DSM installation and HA cluster configuration. If you power on only one RackStation to install DSM, you will still need to manually power on the other RackStation after the installation so as to continue the HA cluster configuration.

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.

Note: If you set up two RackStation units to create a HA cluster, we highly recommend to power on both the RackStation before proceeding with the DSM installation.

- 2 Open a web browser on a computer connected to the same network as the RackStation unit(s).
- 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 area network. The status of the RackStation should be **Not Installed**.
- 5 Select either of the RackStation units, and click **Set up** to start the setup process and follow the onscreen instructions. This RackStation will serve as active server after installation.

Note:

1. If you are informed that the installation has started on the other server, simply follow the onscreen instruction to proceed with the setup process.
2. The RackStation must be connected to the Internet to install DSM with Web Assistant.
3. Suggested browsers: Chrome, Firefox.
4. Both the RackStation units and the computer must be in the same local area network.

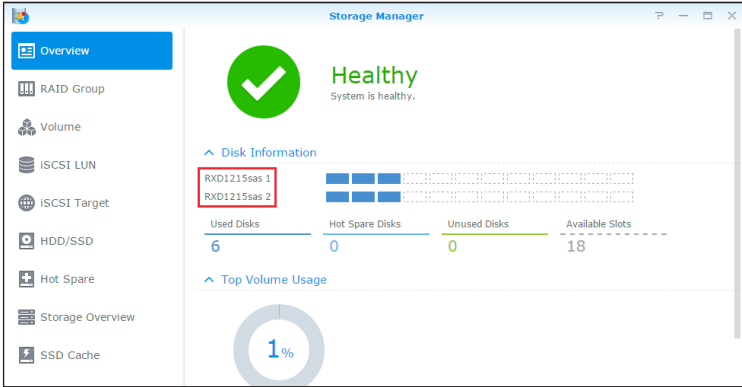
- 6 If you accidentally leave the installation process before it is finished, go to find.synology.com again to find the RC18015xs+ model with the status of **Ready**, and login to the DSM as **admin** (default administrative account name) with the password left blank.

Note:

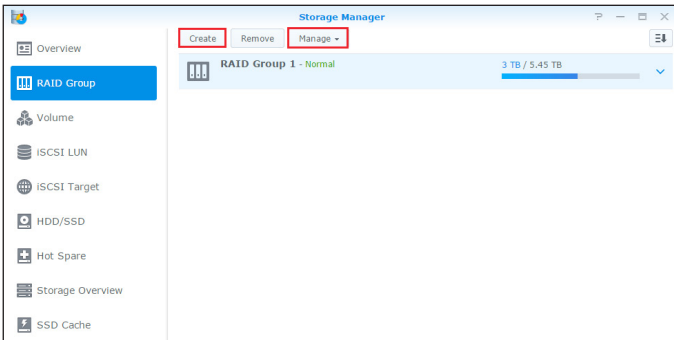
1. The system will guide you through the installation of DSM and the creation of HA cluster.
2. Once the installation is finished, we highly recommend to set a static IP for your RackStation units in **DSM > Control Panel > Network > Network Interface** to ensure normal operations of switchover or failover features.
3. To monitor the HA cluster's status or configure its settings, please go to **DSM > High Availability Manager**. For more information, please refer to **DSM Help**.

Confirm Connection and Manage Storage Spaces

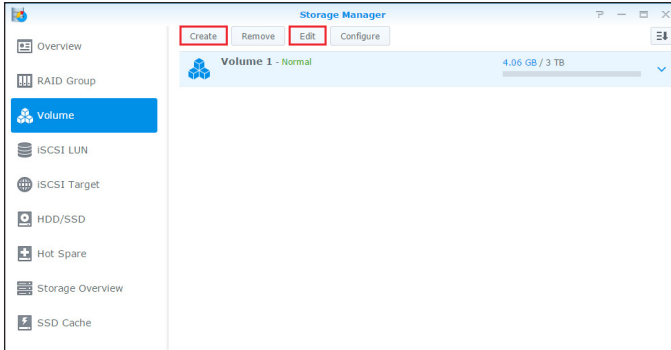
- 1 Login to the DiskStation Manager (DSM) of the RackStation unit.
- 2 Go to **Main Menu > Storage Manager > Overview** to confirm the expansion unit(s) are successfully connected.



- 3 Go to **RAID Group** on the left panel to manage storage space creation or expansion.
 - If you want to create a new RAID group, click **Create** and follow the wizard to complete the creation.
 - If you want to expand an existing RAID group, select the RAID group you want to expand from the group list, click **Manage > Add Disk** and follow the wizard to complete the expansion.



- 4 Once the RAID group is ready, go to **Volume** on the left panel to manage the volumes.
- If you want to create a new volume on the expansion, click **Create** and follow the instructions of the wizard.
 - If you want to expand an existing volume, select the volume you want to expand from the volume list, click **Edit**, and follow the instructions of the wizard.



- 5 For more information about volume management, please see **DSM Help > Storage Manager**.

Limitations: Before using this expansion unit, please see the limitations below.

1. This expansion unit can be used in only one HA cluster with up to two Synology RackStation RC18015xs+ units at a time.
2. Both the RackStation units must share the same expansion units. It will not work if a RackStation is connected to certain expansion units while the other RackStation unit is connected to other expansion units.

Learn More

Congratulations! Your HA cluster with RackStation **RC18015xs+** and **RXD1215sas** expansion unit(s) is set up now. For more information or online resources, please visit www.synology.com.

Maintenance and Expansion

RC18015xs+

Note: Before powering off and disconnecting the RackStation serving as the active server, please manually perform a switchover in DSM to minimize the service downtime. For detailed information, please refer to **DSM Help > High Availability Manager**.

Attach a Network Interface Card to the RackStation

RackStation RC18015xs+ supports a PCIe x8 add-on network interface card. Please see the instructions below to open the RackStation and attach a network interface card.

Note:

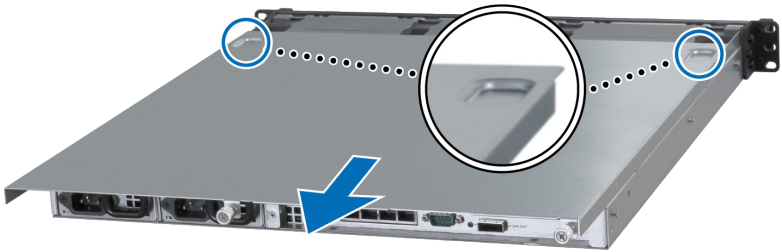
1. Once you attach a network interface card to either of your RackStation units in a HA cluster (if created), you must attach another network interface card of the identical model to the other RackStation.
2. For compatible network interface card models, please visit www.synology.com.

- 1 Shut down your RackStation. Disconnect all cables connected to your RackStation to prevent any possible damage.

- 2 Open the RackStation by removing the top cover.
 - a Loosen the two screws on the back of the model holding the top cover of the chassis by turning them counterclockwise.



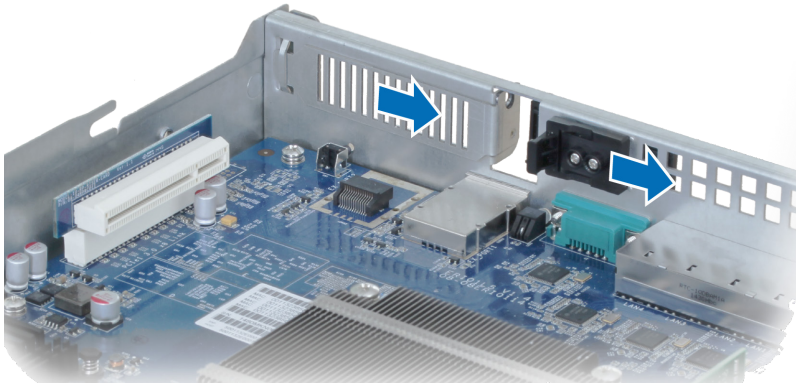
- b Remove the top cover by firmly grasping the thumb grooves and pulling in the direction indicated below, and put the top cover aside.



Note: When you remove the top cover, you expose sensitive internal components. Avoid touching anything other than the items indicated in the following steps.

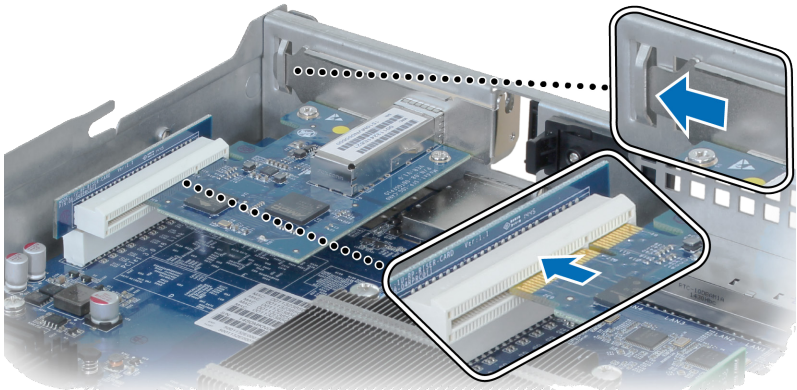
3 Install the network interface card.

- a** Pull the tab on the port access bracket to the right so as to remove the port access cover.

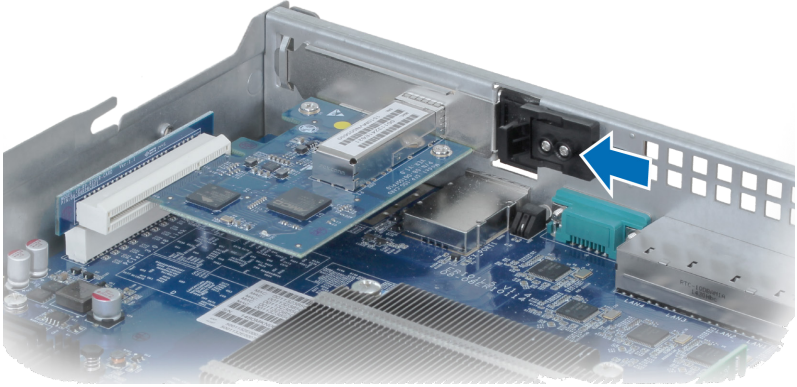


- b** Align the card's connector and bracket with the slots.

- c** Insert the card into the slot.



- d Push back the tab to secure the newly inserted card.



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

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



- b Fasten the two screws you loosened in step 2-a.

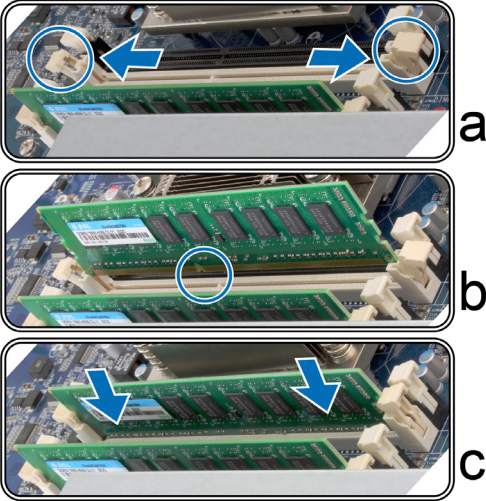
Add a RAM Module to the RackStation

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:

Note: Once you add a RAM module to either of your RackStation units in a HA cluster (if created), you must add another RAM module of the identical model to the other RackStation.

- 1 Shut down your RackStation. Disconnect all cables connected to your RackStation to prevent any possible damage.
- 2 Open the RackStation by following step 2 of **Attach a Network Interface Card to the RackStation**.
- 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 top cover by following step 4 of **Attach a Network Interface Card to the RackStation**.

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:

Note: Once you remove a RAM module from either of your RackStation units in a HA cluster (if created), you must remove the corresponding RAM module from the other RackStation.

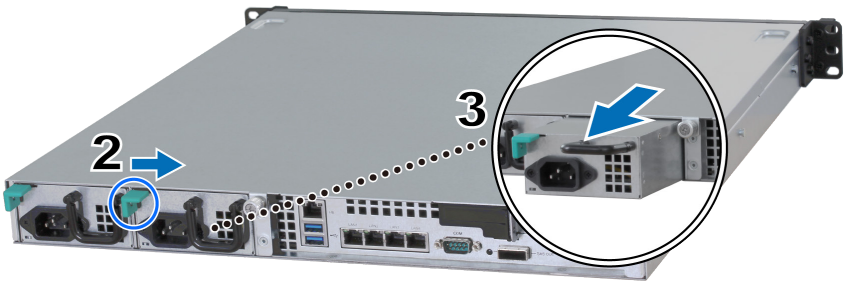
- 1 Follow step 1 and 2 of the “To install the RAM module” section to shut down your RackStation, disconnect the cables, and then remove the top cover.
- 2 Disengage the memory retaining clips by pushing them outwards, and the module will pop out of the slot.
- 3 Follow step 4 of the “To install the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

Replace Malfunctioning PSU

If a power supply unit (PSU) malfunctions, please see the instructions below to replace the 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.

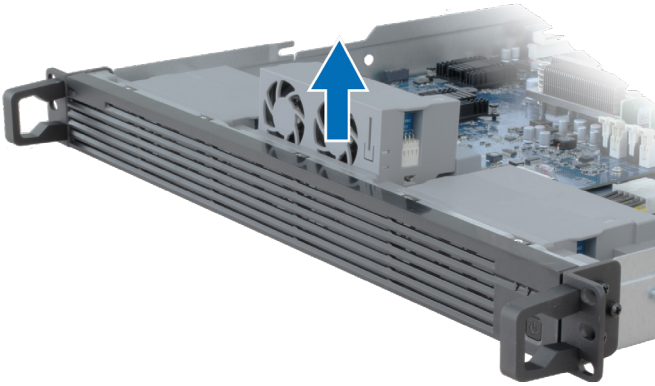


- 2 Push the lever of the PSU at the back panel in the indicated direction.
- 3 Pull out the PSU from the RackStation.
- 4 Prepare a new PSU, and push it back to the slot until you hear a click.

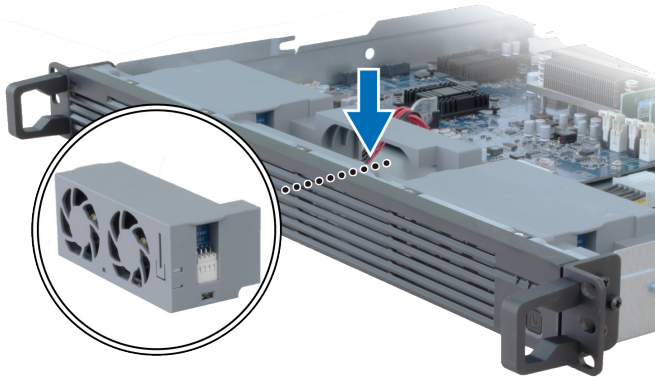
Replace Malfunctioning Fan Module

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

- 1 Shut down your RackStation. Disconnect all cables connected to your RackStation to prevent any possible damage.
- 2 Open the RackStation by following step 2 of **Attach a Network Interface Card to the RackStation**.
- 3 Remove the malfunctioning fan module by pulling it up from the RackStation.



- 4 Prepare a new fan module and insert it into the empty slot using the orientation illustrated below.



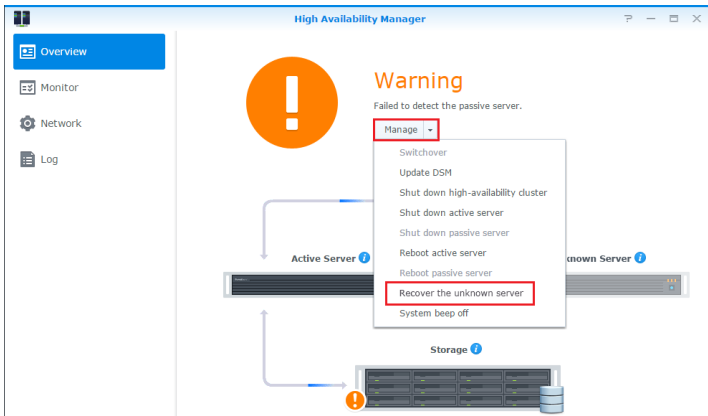
- 5 Put back the top cover by following step 4 of **Attach a Network Interface Card to the RackStation**.

Replace Malfunctioning RackStation

If a RackStation malfunctions, please see the instructions below to replace the malfunctioning RackStation.

Note: If the malfunctioning RackStation serves as active server, and the service has not been switched over to the other RackStation unit, please perform the switchover on **DSM > High Availability Manager**.

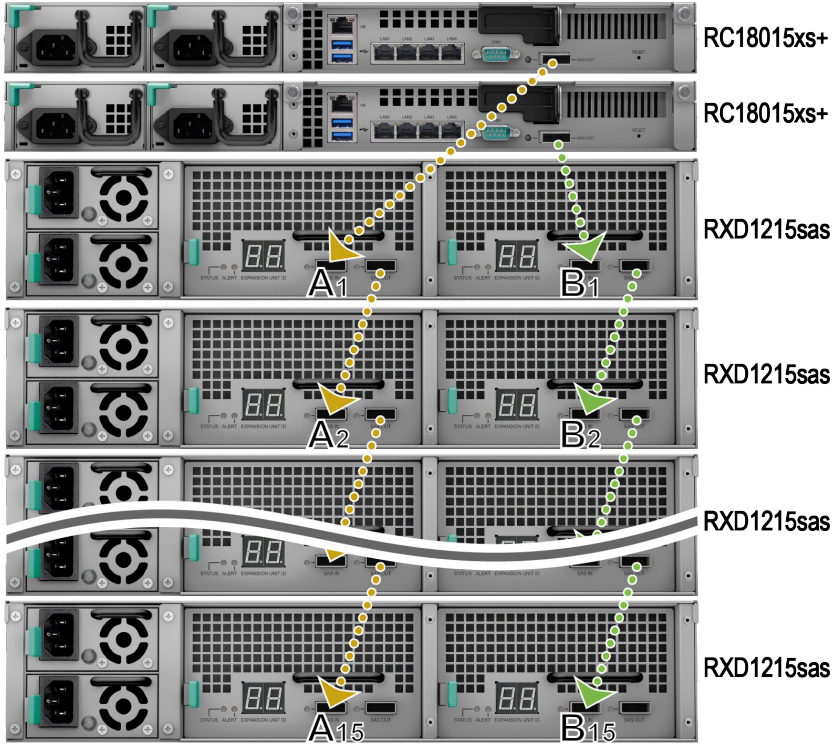
- 1 Make sure the malfunctioning RackStation has been powered off. Disconnect all cables from the malfunctioning RackStation. Put the disconnected RackStation aside.
- 2 Prepare a new RackStation, and follow the instructions of **Chapter 2: Connect with Synology RC18015xs+** on page 12 so as to connect the new RackStation to the other RackStation and expansion unit.
- 3 Power on the newly connected RackStation.
- 4 Go to **DSM > High Availability Manager**. On the **Overview** tab, the newly connected RackStation will be shown as **Unknown Server**.
- 5 Click **Manage > Recover the unknown server**, and the new RackStation will reboot and join the HA cluster, serving as passive server.



RXD1215sas

Add More Expansion Units to the HA Cluster

The HA cluster with RackStation RC18015xs+ supports working with up to fifteen RXD1215sas expansion units. Follow the instructions below to add more expansion units to the HA cluster.



- 1 Connect one end of mini-SAS cable to the SAS-OUT port on **SAS module A** of an expansion unit (e.g., module A1), and the other end to the SAS-IN port on **SAS module A** of the next expansion unit (e.g., module A2).
- 2 Connect one end of mini-SAS cable to the SAS-OUT port on **SAS module B** of an expansion unit (e.g., module B1), and the other end to the SAS-IN port on **SAS module B** of the next expansion unit (e.g., module B2).
- 3 Repeat step 1 and 2 to add another expansion unit to the HA cluster.

Note:

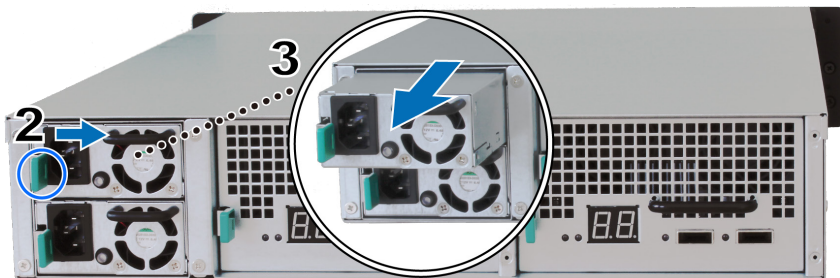
1. The expansion units must be connected serially with the modules on corresponding sides for each RackStation unit.
2. Both the RackStation units must be connected to their shared expansion units in the same order. For example, if you connect a RackStation unit to the expansion units in the order of “A1, A2, A3 ...” as in the sample image above, you cannot connect the other RackStation unit to the expansion units in the order of “B1, B3, B2 ...”.

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

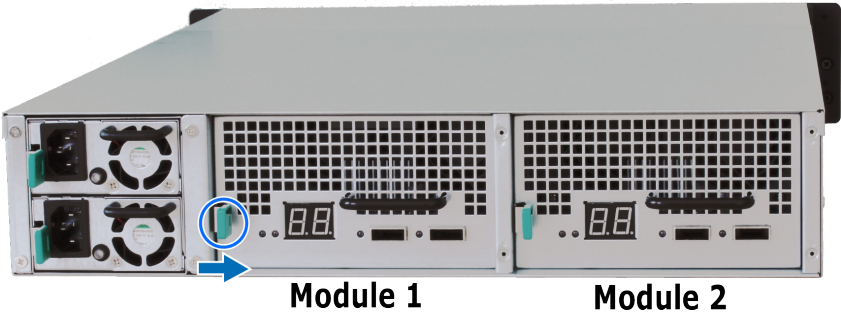
Replace Malfunctioning SAS Module / Fan

If a SAS module or its fan malfunctions, please see the instructions below to pull out the expansion unit SAS module and replace the module or the malfunctioning fan.

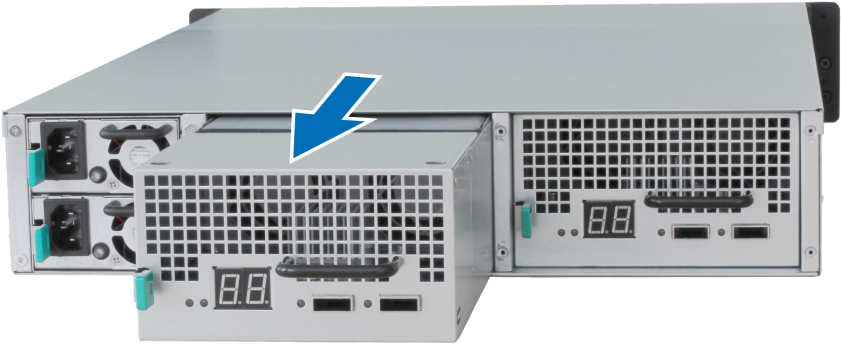
- 1 Unplug the mini-SAS cables from the SAS module on which the malfunctioning fan is to be replaced.

Note: If the SAS module is serially connected to the RackStation serving as the active server, please manually perform a switchover in DSM before disconnecting SAS cables from the SAS module. For detailed information, please refer to **DSM Help > High Availability Manager**.

- 2 Push the lever of the SAS module at the back panel in the indicated direction. The SAS modules are numbered as shown below.



- 3 Pull out the SAS module from the expansion unit.



To replace the malfunctioning SAS module:

Prepare a new SAS module, and push it back to the slot until you hear a click.

To replace the SAS module's malfunctioning fan:

- 1 Remove the malfunctioning fan by pulling it up from the SAS module. The fans are numbered as shown below.



- 2 Prepare a new fan, align the arrow to point at the back panel as illustrated below, and insert it into the empty slot.



- 3 Push the SAS module back to the slot until you hear a click.

Specifications

| Item | RC18015xs+ |
|-------------------------|--|
| Internal Drive | N/A |
| Maximum Raw Capacity | 1440TB (180 x 8TB HDD) with RXD1215sas (expansion unit) x 15 |
| External Port | <ul style="list-style-type: none"> • USB 3.0 x 2 • SAS-OUT x 1 |
| LAN Port | Gigabit x 5 (including 1 for Heartbeat connection) |
| PCIe Slot | PCIe x8 add-on network interface card x 1 (optional) |
| Size (H x W x D) (mm) | 44 x 430 x 480 |
| Weight (kg) | 7.3 |
| System Fan | Dual fan (40 x 40 x 28mm) module x 3 |
| Supported Client | <ul style="list-style-type: none"> • Windows XP onward • Mac OS X 10.5 onward • Ubuntu 9.04 onward |
| File System | <ul style="list-style-type: none"> • Internal: Btrfs, ext4 • External: Btrfs, ext4, ext3, FAT, NTFS, HFS+ |
| Supported RAID Type | <ul style="list-style-type: none"> • Basic • JBOD • RAID 0 • RAID 1 • RAID 5 • RAID 6 • RAID 10 |
| Agency Certification | • FCC Class A • CE Class A • BSMI Class A |
| 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.

| Item | RXD1215sas |
|-------------------------------|---|
| Internal Drive | 3.5" or 2.5" SAS x 12 |
| External Port | <ul style="list-style-type: none"> • SAS-IN x 2 • SAS-OUT x 2 |
| Maximum Internal Raw Capacity | 96TB (12 x 8TB HDD) |
| Hot Swappable Drive | Yes |
| Size (H x W x D) (mm) | 88 x 430 x 692 |
| Weight (kg) | 18 |
| System Fan | 4 x (60 x 60 x 51mm) |
| Power Fan | 2 x (38 x 38 x 28mm) |
| Power Recovery | Synchronized with RackStation |
| Agency Certification | • FCC Class A • CE Class A • BSMI Class A |
| 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.

LED Indicator Table

RC18015xs+

| LED Indicator | Color | Status | Description |
|--------------------------------|--------|----------|--|
| STATUS | Green | Static | Volume normal |
| | Orange | Blinking | Volume degraded / volume crashed |
| | | | Volume not created |
| | | | DSM not installed |
| ALERT | Orange | Blinking | Fan failure / over temperature |
| | Off | | System normal |
| HA | Green | Static | Operating as active server |
| | Orange | Static | Please go to DSM Help > High Availability Manager > Overview and refer to Warning Messages section |
| | Off | | Standing by as passive server |
| Power | Blue | Static | Powered on |
| | | Blinking | Booting up / shutting down |
| | Off | | Powered off |
| PSU Indicator | Green | Static | Power supply ready |
| | Off | | No power supply |
| LAN (on left side of jack) | Green | Static | Network connected |
| | | Blinking | Network active |
| | Off | | No network |
| LAN (on right side of jack) | Green | Static | Gigabit connection |
| | Orange | Static | 100 Mbps connection |
| | Off | | 10 Mbps connection / 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.

RXD1215sas

| LED Indicator | Color | Status | Description |
|----------------------------------|--------|----------|--------------------------|
| Drive Status Indicator (on tray) | Green | Static | Drive ready and idle |
| | | Blinking | Accessing drive |
| | Red | Static | Drive error |
| | Off | | No internal drive |
| Power | Blue | Static | Powered on |
| | Off | | Powered off |
| Front ALERT | Orange | Blinking | Fan failure |
| | Off | | System normal |
| Rear ALERT | Orange | Static | Powered off |
| | | Blinking | Fan failure |
| | Off | | System normal |
| Rear STATUS | Green | Blinking | Powered on |
| | Off | | Powered off |
| PSU Indicator | Green | Static | Power supply unit normal |
| | Off | | Power supply unit off |

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

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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.

FCC Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.