



Synology RackStation RS2211+/RS2211RP+

Quick Installation Guide

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Before You Start

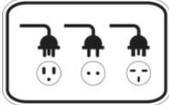
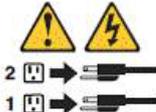
Before you start setting up RackStation, please check the package contents to verify that you have received the items below. Please also read the safety instructions carefully before use to prevent your RackStation from any damages.

Package Contents

Main Unit x 1	AC power cord x 1 [*]
	
	Installation DVD x 1
	
	Screws for 3.5" hard drives x 52
	
Screws for 2.5" hard drives x 52	
	

^{*} AC power cord: RS2211+ x 1; RS2211RP+ x 2

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>Keep Synology product upright. Do not lay it down horizontally.</p>
	<p>Do not place the Synology product close to any liquid.</p>
	<p>Before cleaning, unplug the power cord first. Wipe Synology product with damp paper towels. Do not use chemical or aerosol cleaners to clean it.</p>
	<p>Do not place the Synology product on a cart, table, or desk, which is not stable to avoid the product from falling over.</p>
	<p>The power cord must plug in to the right 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>

Hardware Setup

Tools and Parts for Hard Disk Installation

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

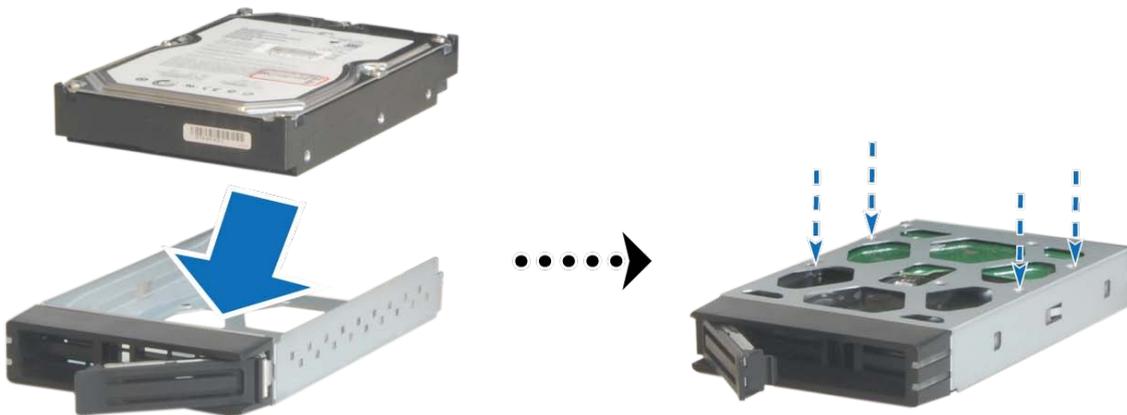
Warning: If you install a hard disk that contains data, system will format the hard disk and erase all data. If you still need the data, please back it up before installation.

Install Hard Disks

- 1 Pull the clip in the direction as indicated below to remove the hard disk tray.



- 2 Load the hard disk in the hard drive tray.
 - **For 3.5" Hard Disk:** Place the hard disk in the hard drive tray, turn the tray upside down, and then tighten the screws to secure the hard disk.



- **For 2.5" Hard Disk:** Place the hard disk in the blue area (shown below) of the hard drive tray, turn the tray upside down, and then tighten the screws to secure the hard disk.



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



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

- 4 Push the clip to fix the hard disk tray.
- 5 Repeat the steps above to assemble all hard disks you have prepared.

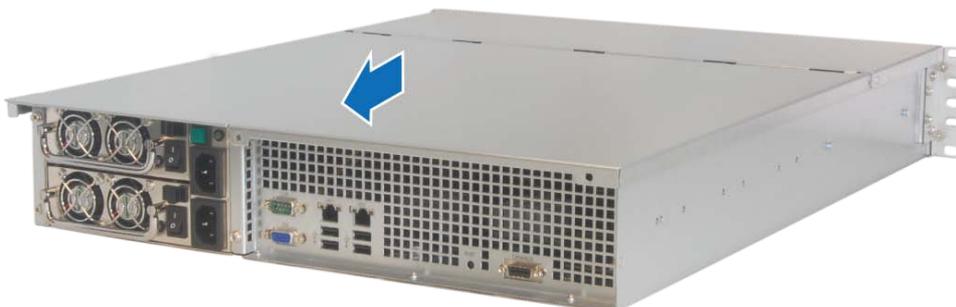
Note: If you want to set up a RAID set, it is recommended that all installed hard disks are of the same size to make the best use of hard disk capacity.

Add a RAM Module on RackStation

Synology RAM module 1GB/2GB is designed for RackStation memory expansion, and is optional for your choice. Follow the steps below to install, check, or remove your RAM module.

Install the RAM Module

- 1 Shut down your RackStation. Disconnect all cables connected to your RackStation to prevent any possible damages.
- 2 Pull the cover of your RackStation.



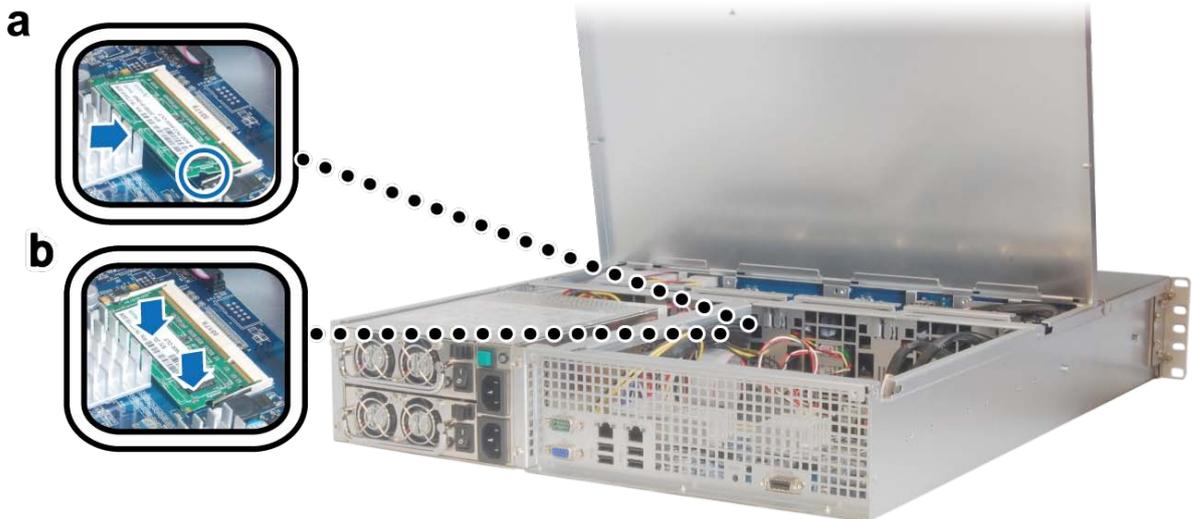
Important: When you pull out the panel, you expose sensitive internal components. Avoid touching anything other than the memory assembly when you remove or add memory.

3 Lift up the cover of your RackStation.



4 Insert the new memory module in the slot:

- a Align the notch on the gold edge of the module with the notch in the memory slot (see the circle in **image a** below). Tilt the card and push the memory into the slot. Make sure the module is pushed in all the way.
- b Use two fingers with firm, even pressure to push down on the memory module. You should hear a click when the memory is inserted correctly.



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

5 Close the cover of your RackStation.

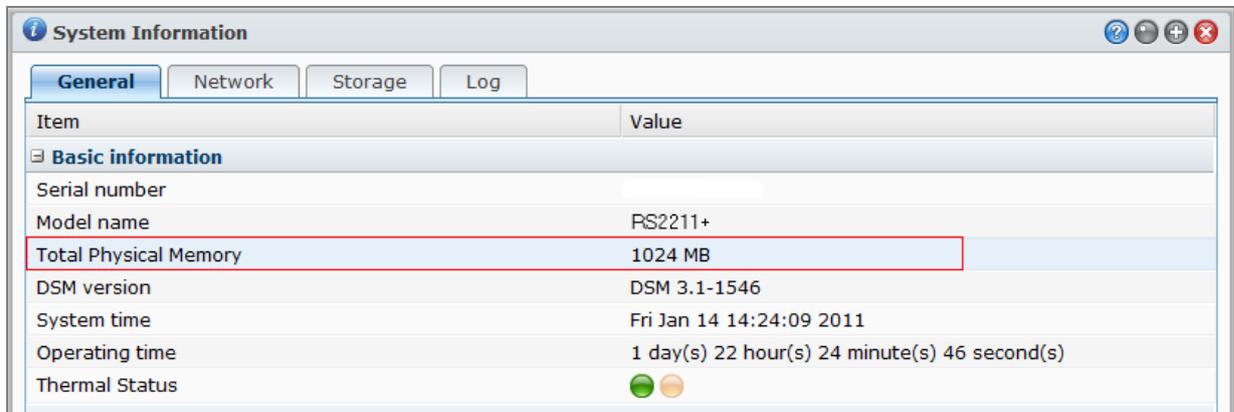


Make Sure RackStation Recognizes the New Memory Capacity

After installing the memory module on RackStation, it's recommended that you check whether the server recognizes the new memory.

To check the memory of your RackStation:

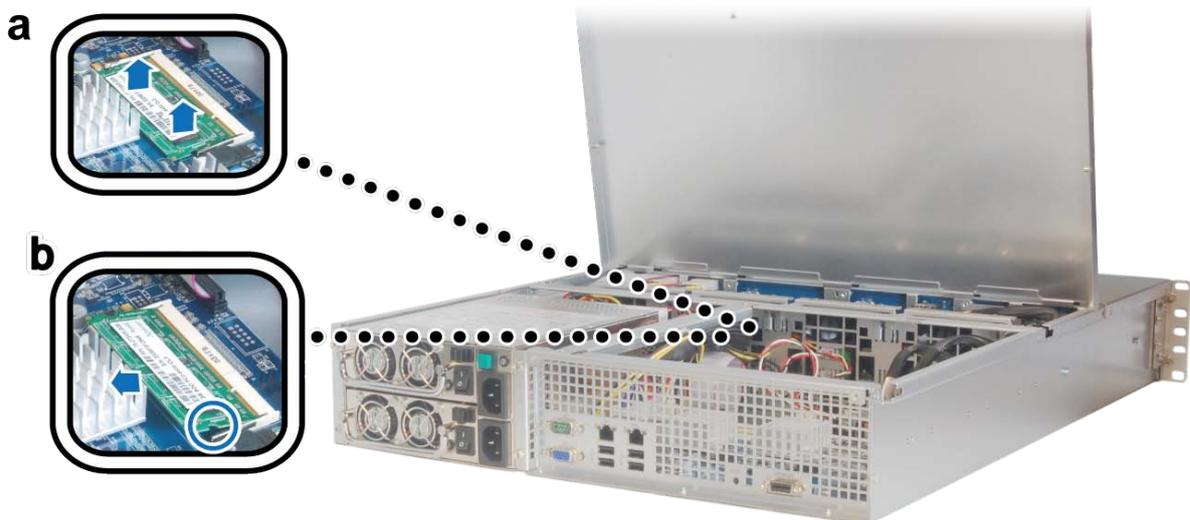
- 1 Install DSM. (See "Chapter 3: Install DSM on RackStation" on Page 10 for more information.)
- 2 Log in to Synology DiskStation Manager (DSM).
- 3 Check **Total Physical Memory** in **Main Menu > System Information**.



If your RackStation doesn't recognize the memory or doesn't start up correctly, check out if the memory is installed correctly.

Remove the RAM Module from RackStation

- 1 Follow step 1 to 3 of the "Install the RAM Module" section to open the cover of your RackStation.
- 2 Remove the RAM module.
 - a Lift up the memory carefully.
 - b Hold the memory by its notches (see the circle in **image b** below) and remove it from the slot.



- 3 Close the cover of the RackStation.

Start Up Your RackStation

1 Connect one end of the power cord to the Power port of RackStation, and the other to the power outlet.



2 Use the LAN cable to connect RackStation to your switch/router/hub.



3 Push the Power button to turn on your RackStation.



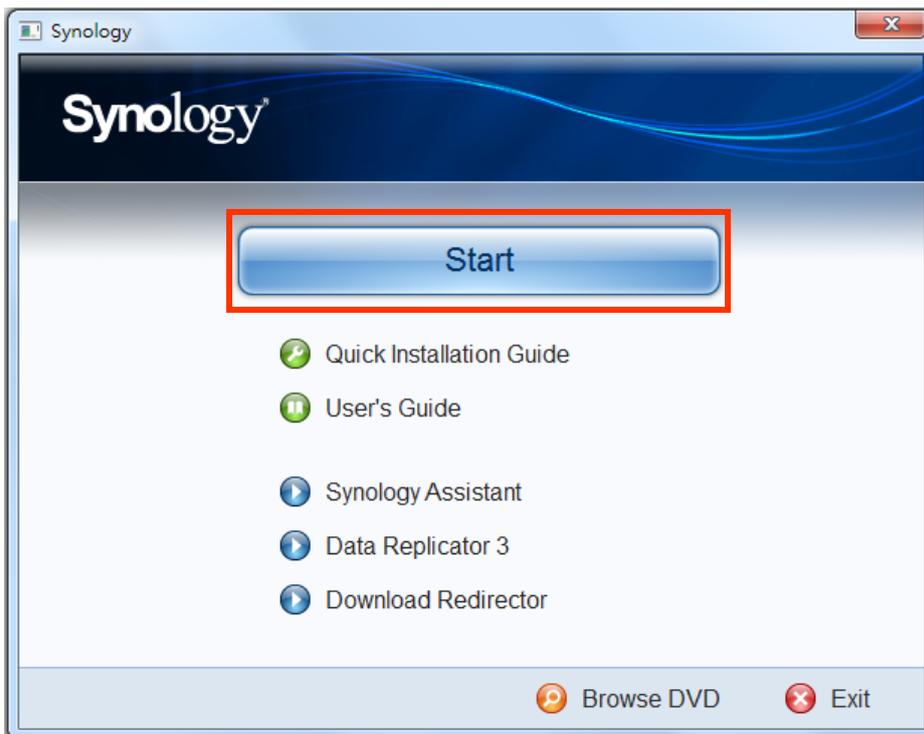
Your RackStation is now online and detectable from a network computer.

Install DSM on RackStation

On a network computer, follow the steps in this chapter to install DSM on your RackStation. After DSM is installed, you can manage all features of your RackStation by logging in to DSM with a web browser.

Install from Windows

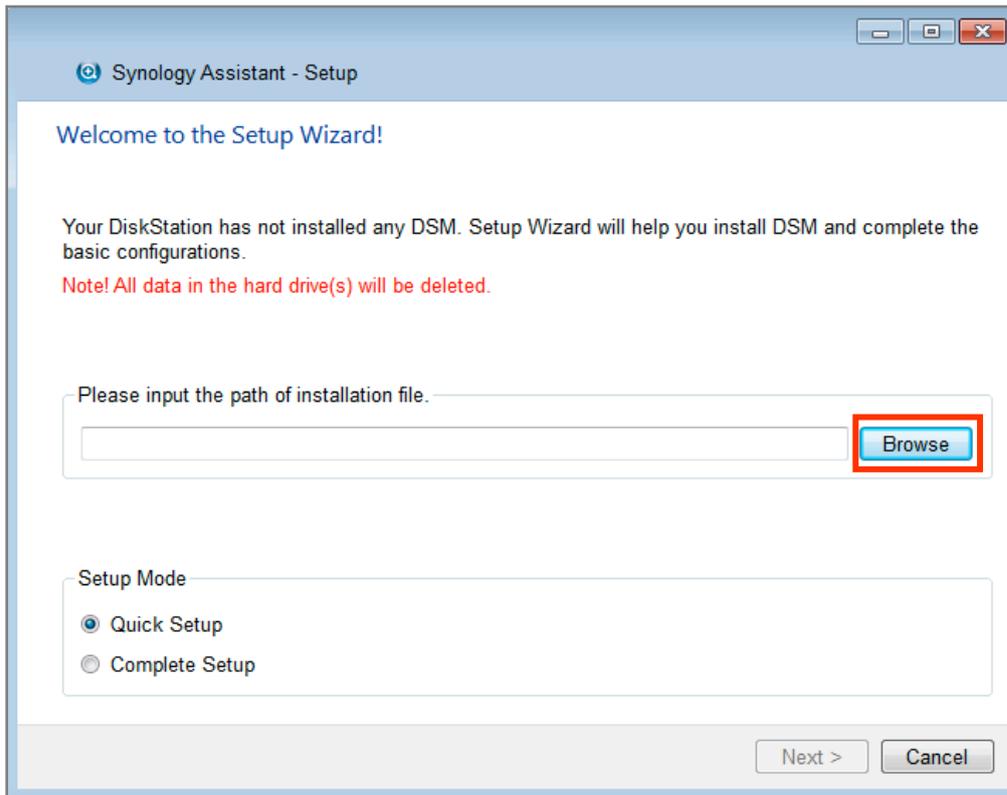
- 1 Insert the installation DVD into your computer, and then choose **Start** from the autorun menu. Follow the onscreen instructions to complete the setup process.



- 2 After Synology Assistant opens, double-click your RackStation from the server list.

Server name	IP address	IP status	Status	MAC address	Version	Model
DarrenDS	192.168.21.167	Manual	Ready	00:11:32:0A:23:6C	3.1-1553	DS211
derrenl-710p	192.168.22.247	DHCP	Ready	00:11:32:06:7A:7A	3.1-1551	DS710+
RackStation	192.168.22.191	DHCP	Ready	00:11:32:05:0F:F5	3.1-1562	RS2211+
DS109P_DEMO	192.168.24.228	DHCP	Ready	00:11:32:04:7D:F4	3.0-1354	DS109+

- 3 Click **Browse** to select the “.pat” installation file in the installation DVD.



- 4 Follow the onscreen instructions to complete the setup process.

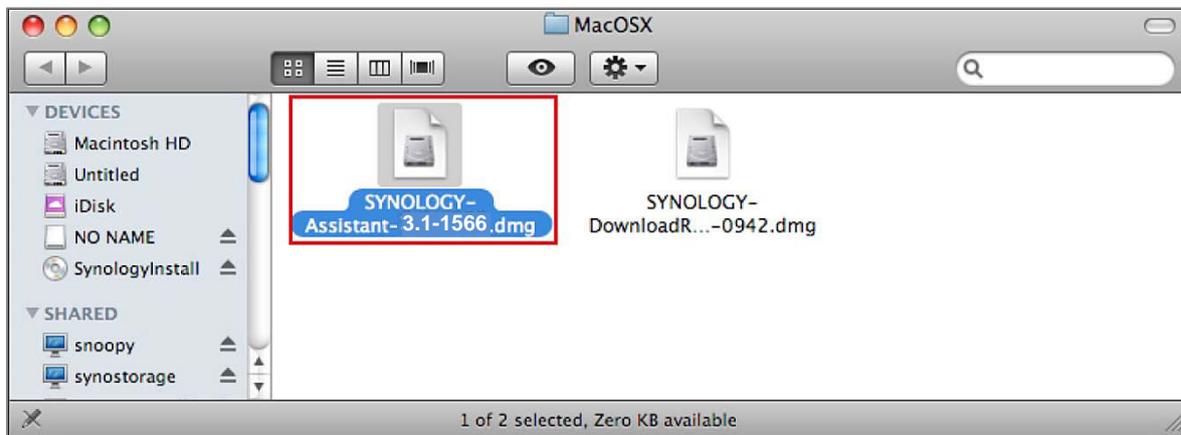
Note: If you choose **Quick Setup**, the default **admin** password for your DiskStation Manager will be blank.

Install from Mac OS X

- 1 Insert the installation DVD into your computer, and then double-click the **SynologyInstall** icon on the desktop.



- 2 In the window that appears, double-click the **MacOSX** folder, and then double-click **Synology Assistant-3.1-[number].dmg**.



- 3 Double-click the **Synology Assistant.app** in the window that appears.



Synology Assistant.app

- 4 Follow step 2 to 4 of the “Install from Windows” section to finish setup.

Install from Linux

The Linux version is optimized for **Ubuntu** distribution version 8 and 9. You can still try installation on other Linux distributions (for evaluation purpose only).

Install and Run Synology Assistant

You can install and run Synology Assistant using the command lines or the GUI.

If you want to install using the command lines:

Run the script **install.sh** in the **Linux** folder of the installation DVD, which will guide you through the steps below.

- 1 Remove the beta version of Synology Assistant (if any).

```
sudo rm -rf /usr/local/Synology /usr/local/bin/SynologyAssistant
```

- 2 Extract **SynologyAssistant-3.1-[number].tar.gz** to the directory you want, such as “**/usr/local**” or “**.**”

```
tar -C ./ -zxvf SynologyAssistant-3.1-[number].tar.gz
```

- 3 If you are using 64bit Ubuntu, install the 32bit libraries.

```
sudo apt-get install ia32-libs
```

- 4 Create the shortcut to **/usr/local/bin**.

```
sudo ln -sf /path/install/SynologyAssistant/SynologyAssistant \
/usr/local/bin/SynologyAssistant
```

5 To run Synology Assistant, you can either use the following command:

```
/path/install/SynologyAssistant/SynologyAssistant
```

Or run the shortcut:

```
/usr/local/bin/SynologyAssistant
```

If `/usr/local/bin` exists in your environment variable `$PATH`, just type:

```
SynologyAssistant
```

If you want to install using the GUI:

1 Go to `/usr/local` and `/usr/local/bin` and delete the following folders (if any):

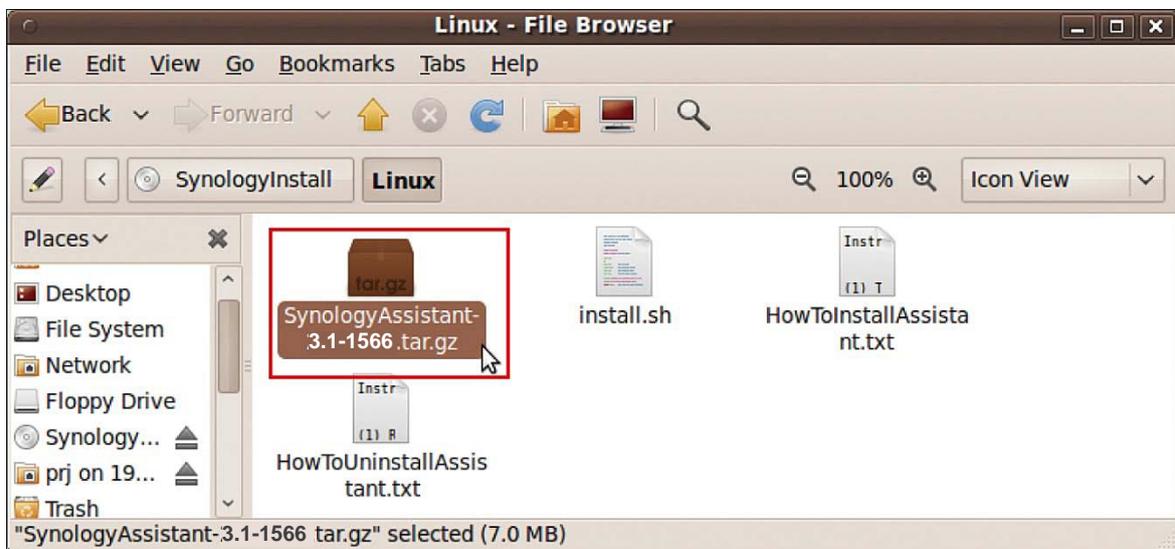
Synology, SynologyAssistant

2 Insert the installation DVD into your computer, and then double-click the **SynologyInstall** icon on the desktop.

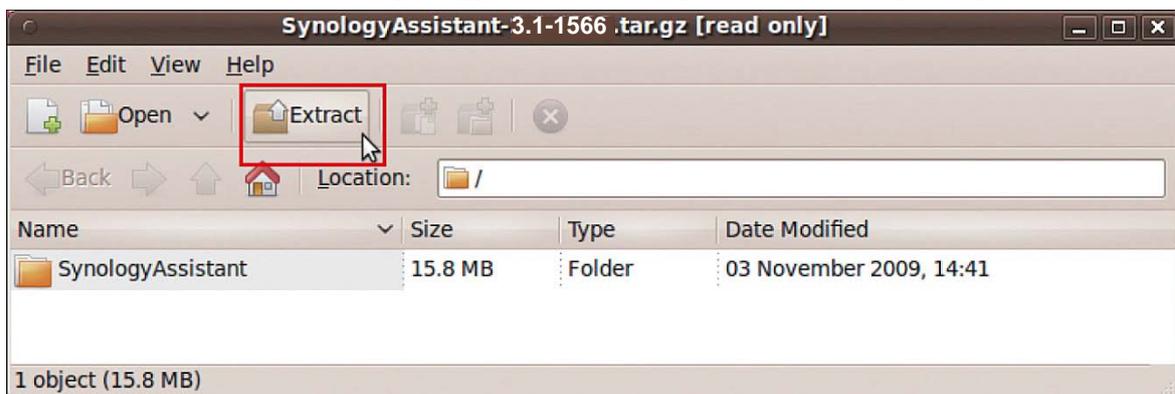


SynologyInstall

3 In the **File Browser** window that appears, double-click the **Linux** folder, and then double-click **Synology Assistant-3.1-[number].tar.gz**.



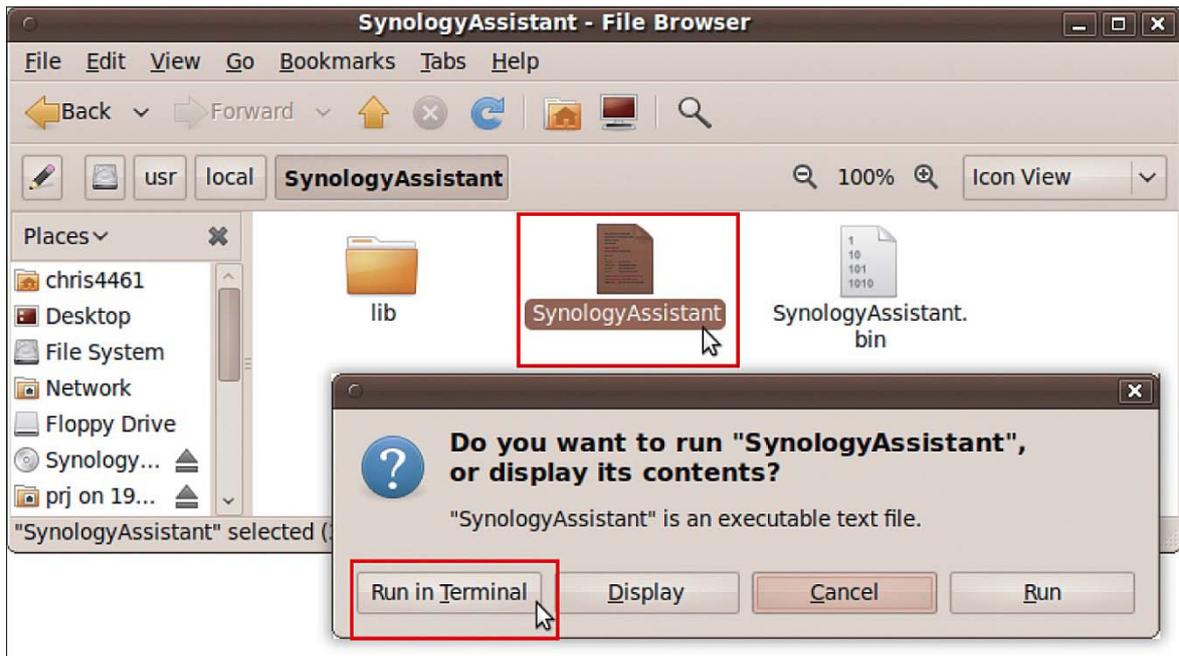
4 Click **Extract**, and then extract the **SynologyAssistant** directory to `/usr/local` or any other path.



Important: If you are using 64bit Ubuntu, you have to install the 32bit libraries before proceeding. To install, type the following command in Terminal:

```
sudo apt-get install ia32-libs
```

- 5 Go to `/usr/local/SynologyAssistant` (or [the path you just specified]/`SynologyAssistant`), double-click `SynologyAssistant`, and then select **Run in Terminal** in the dialog box that appears.



Install DSM on RackStation

When you have activated Synology Assistant, follow step 2 to 4 of the "Install from Windows" section to finish setup.

Learn More

Congratulations! Your RackStation is set up now. Refer to the User's Guide in the installation DVD for advanced settings and management. For more information or online resources about your RackStation, please visit www.synology.com.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

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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.

2.4 Return. Any Product returned by Customer under Section 2.3 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 2.4 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.

2.5 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 2.4 and validation by Synology that the Product does not conform to the warranty. Replacement Product will be new or serviceably used, comparable in function and performance to the original Product and warranted for the remainder of the original Warranty Period or thirty (30) days after it is shipped to Customer, whichever period is longer. Any Product found by Synology to be non-defective will be returned to Customer.

2.6 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.

2.7 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.

2.8 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 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.