



Synology DiskStation DS114

Quick Installation Guide

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Before You Start

Before you start setting up DiskStation, 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 DiskStation from any damages.

Package Contents

| Main unit x 1 | | AC power cord x 1 |
|---|---|--|
|  | |  |
| | | AC power adapter x 1  |
| Screws for hard drives x 6 | Screws for securing the Synology case x 3 | RJ-45 LAN cable x 1 |
|  |  |  |





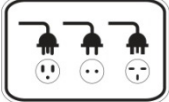
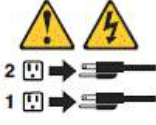

Synology DiskStation at a Glance



| No. | Name | Location | Description |
|-----|----------------|-------------|---|
| 1) | LED Indicators | Front Panel | The LED indicator is used to display the status of the internal disk and the system. For more information, see "Appendix B: LED Indication Table" on Page 11. |
| 2) | Power Button | Front Panel | The power button is used to turn Synology DiskStation on or off. To turn off Synology DiskStation, press the power button and hold it until you hear a beep sound and the Power LED starts blinking. |
| 3) | Fan | Back Panel | The fan is built to exhaust waste heat out of Synology DiskStation. If the fan is malfunctioning, the system will beep every few seconds. |
| 4) | eSATA Port | Back Panel | The eSATA port is used to connect external SATA disk or Synology Expansion Unit ¹ to Synology DiskStation. |
| 5) | USB3.0 Ports | Back Panel | The Synology DiskStation offers USB3.0 ports for adding additional external hard drives, USB printers, or other USB devices. |
| 6) | RESET Button | Back Panel | 1. To restore IP, DNS, passwords for the admin account to default value. 2. To reinstall the Synology DiskStation. |
| 7) | LAN Port | Back Panel | The LAN port is where you connect RJ-45 cable to Synology DiskStation. |
| 8) | Power Port | Back Panel | The power port is where you connect the AC power adapter to Synology DiskStation. |

¹ Synology Expansion Unit is supported on certain DiskStations only.

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>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> |
|  | <p>Risk of explosion if battery is replaced with an incorrect type. Dispose of used batteries appropriately.</p> |

Hardware Setup

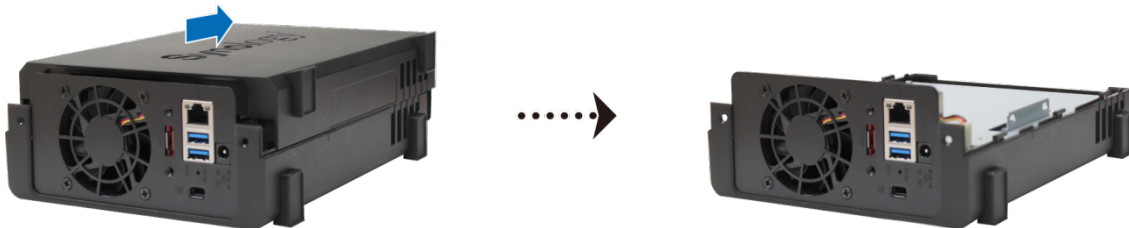
Tools and Parts for Hard Disk Installation

- A screwdriver
- A 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, the system will format the hard disk and erase all data. If you need the data in the future, please back it up before installation.

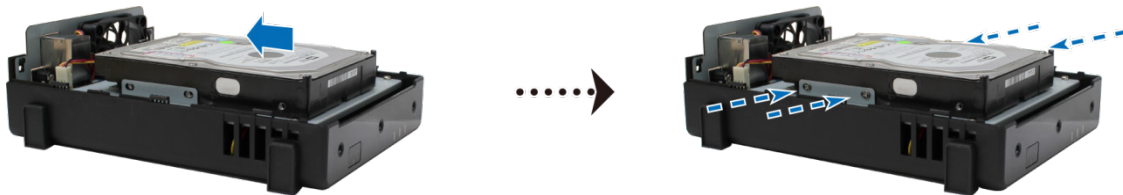
Install Hard Disks

- 1 Push the upper case in the direction as shown below. Lift the upper case and set it aside.



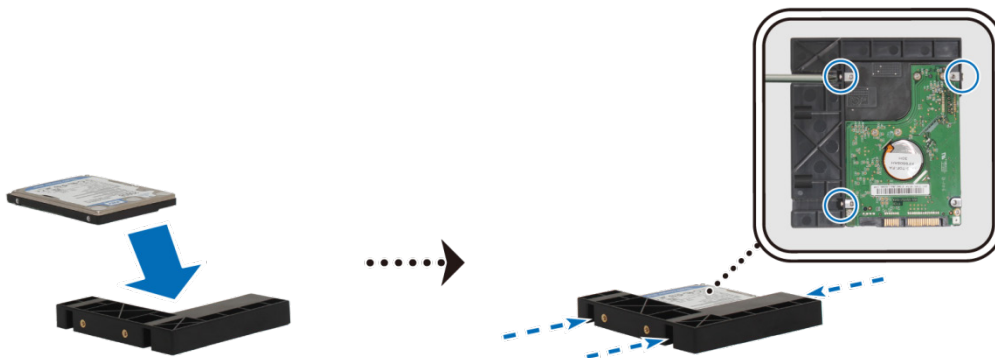
- 2 Install the hard disk:

- **For 3.5" Hard Disk:** Slide the hard disk into the hard drive bay, and push it all the way until it is connected to the SATA connector. Secure the hard disk with the provided screws.



- **For 2.5" Hard Disk:**

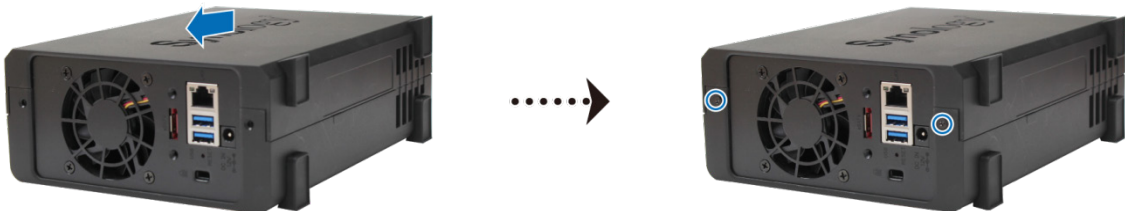
- a Place the hard disk in the 2.5" Disk Holder (Type C, sold separately), and then tighten the 2.5" screws to secure the hard disk.



- b Slide the 2.5" Disk Holder into the hard drive bay, and push it all the way until the hard disk is connected to the SATA connector. Secure the Disk Holder with the provided screws.



- 3 Replace the upper case, and tighten the screws on the back panel.



Start up your DiskStation

- 1 Connect the AC adapter to the power port of DiskStation. Connect one end of the AC power cord to the AC power adapter, and the other to the power outlet.
- 2 Use the LAN cable to connect DiskStation to your switch/router/hub.
- 3 Press the power button to turn on your DiskStation.



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

Install DSM on DiskStation

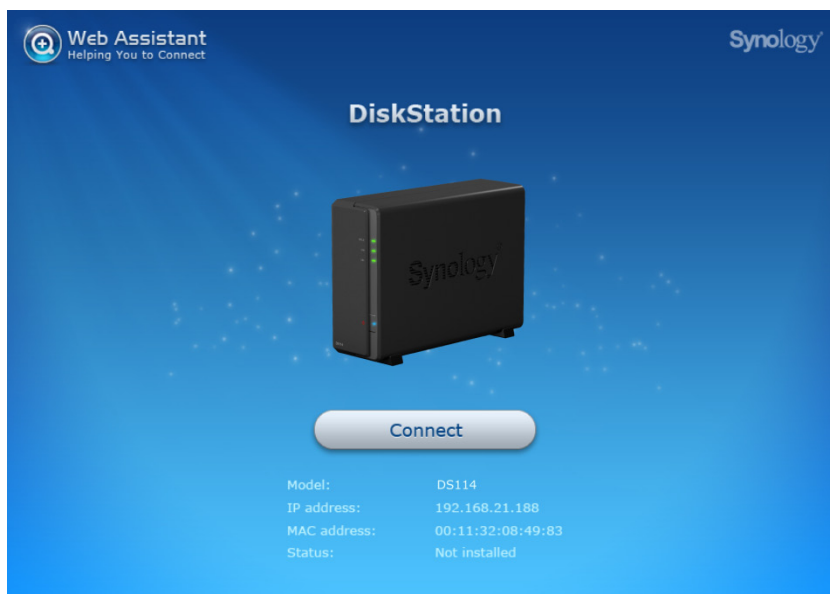
Once the hardware is ready, your DiskStation requires DiskStation Manager (DSM) – the operating system specifically designed for Synology DiskStations – to start working.

We highly recommend using Synology's online Web Assistant for installing DSM from the web browser. Synology Web Assistant automatically downloads the latest available software updates from the Internet and guides you through the installation.

Install DSM from the Web Browser

By default your DiskStation model has a built-in tool called **Web Assistant** to help you configure and install the DSM operating system. Please refer to the steps in the following section.

- 1 Power on DiskStation.
- 2 Depending on your network environment, there are two ways to start DSM installation on your computer's web browser:
 - **With Internet access:** Go to find.synology.com
 - **Without Internet access:** Go to `diskstation:5000`
- 3 Web Assistant will be launched on your web browser. It will search and find your DiskStation within LAN, and the status of your DiskStation should be **Not installed**.



4 Click **Connect** to start the setup process. Follow onscreen instructions to complete the setup process.

Note:

1. Suggested browsers: Chrome, Firefox.
2. Both the DiskStation and the computer should be in the same local network.
3. Internet connection must be available during DSM installation with Web Assistant.

Learn More

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

Specifications

| Item | DS114 |
|--|---|
| Internal HDD | 3.5" or 2.5" SATA(II) X 1 |
| Max. Capacity | 4TB (1 X 4TB HDD) |
| External HDD Interface | <ul style="list-style-type: none"> • USB 3.0 x 2 • eSATA x 1 |
| LAN Port | Gigabit x 1 |
| Size (HxWxD) (mm) | 166 X 71 X 224 |
| Weight (Kg) | 0.705 |
| Supported Clients | <ul style="list-style-type: none"> • Windows XP onward • Mac OS X 10.5 onward • Ubuntu 9.04 onward |
| Max. User Accounts | 2048 |
| Max. Group Accounts | 256 |
| Max. Shared Folders | 256 |
| Max. Concurrent Connections | 128 |
| File System | <ul style="list-style-type: none"> • EXT4 • EXT3, FAT, NTFS (External disk only) |
| Volume Type | <ul style="list-style-type: none"> • Basic |
| Agency Certifications | <ul style="list-style-type: none"> • FCC Class B • CE Class B • BSMI Class B |
| 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 |
| Power Consumption And Environment Requirements | <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: 15 to 155°F (-10 to 70°C) • Relative Humidity: 5% to 95% RH • Maximum Operating Altitude: 2,000 m (6,500 ft) |

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

LED Indication Table

| LED Indication | Color | Status | Description |
|----------------|--------|----------|-------------------------------|
| STATUS | Green | Static | Volume normal |
| | Orange | Static | Available volume space < 1GB |
| | | | Available volume space < 1 % |
| | | Blinking | Volume degraded or crashed |
| | Off | | No internal disk |
| | Off | | HDD hibernation |
| LAN | Green | Static | Gigabit Link |
| | | Blinking | Network is active |
| | Off | | No network |
| DISK | Green | Blinking | Disk is being accessed |
| | Off | | No internal disk or disk idle |
| Power | Blue | Static | Power ready |
| | | Blinking | Booting up |
| | | | Shutting down |
| | Off | | Power off |

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

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2.1 Limited Warranty. Subject to Section 2.7, Synology warrants to Customer that each Product (a) will be free of material defects in workmanship and (b) under normal use will perform substantially in accordance with Synology's published specifications for the Product during the Warranty Period. Synology warrants the Software as set forth in the accompanying end user license agreement provided with the Product, if any. Synology provides no warranty to Refurbished Product sold as "as is" or with "no warranty" on Online Store.

2.2 Product Registration. Customers may register Products with Synology and may obtain the manufacturing date for Category I Products, Category II Products and Category III Products at the Web Site. The failure to register a Product at the Web Site will not diminish the warranty rights set forth in Section 2.1. Synology is not responsible

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2.3 Exclusive Remedy. If Customer gives notice of noncompliance with any of the warranties set forth in Section 2.1 within the applicable Warranty Period in the manner set forth below, then, upon verification of the noncompliance by Synology, Synology will, at Synology's option: (a) use commercially reasonable efforts to repair the Product, or (b) replace the noncomplying Product or part thereof upon return of the complete Product in accordance with Section 2.4. The foregoing sets forth Synology's entire liability and Customer's sole and exclusive remedy for any breach of warranty under Section 2.1 or any other defect or deficiency in the Product. Customer will reasonably assist Synology to diagnose and validate any nonconformity with the Product. The warranty set forth in Section 2.1 does not include: (1) any warranty relating to the Software; (2) physical installation or removal of the Product from Customer's site; (3) visits to Customer's site; (4) labor necessary to effect repairs or replace defective parts other than during Synology's or its contracted service providers' normal local business hours, exclusive of weekends and service providers' holidays; (5) any work with any third party equipment or software; (6) any warranty of the hard disk if installed by Customer or any other third party; or (7) any warranty of compatibility with the hard disk.

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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

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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/JURISDICTIONS DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO CUSTOMER.

Section 3. Limitations of Liability

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

3.2 Disclaimer of Certain Damages. IN NO EVENT WILL SYNOLOGY OR ITS SUPPLIERS BE LIABLE FOR THE COST OF COVER OR FOR ANY INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL OR

SIMILAR DAMAGES OR LIABILITIES WHATSOEVER (INCLUDING, BUT NOT LIMITED TO LOSS OF DATA, INFORMATION, REVENUE, PROFIT OR BUSINESS) ARISING OUT OF OR RELATING TO THE USE OR INABILITY TO USE THE PRODUCT, ANY ACCOMPANYING DOCUMENTATION OR SOFTWARE AND ANY OTHER GOODS OR SERVICES PROVIDED UNDER THIS WARRANTY, WHETHER BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHER THEORY EVEN IF SYNOLOGY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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

Section 4. Miscellaneous

4.1 Proprietary Rights. The Product and any accompanying Software and documentation provided with the Product include proprietary and intellectual property rights of Synology and its third party suppliers and licensors. Synology retains and reserves all right, title, and interest in the intellectual property rights of the Product, and no title to or ownership of any intellectual property rights in or to the Product, any accompanying Software or documentation and any other goods provided under this Warranty is transferred to Customer under this Warranty. Customer will (a) comply with the terms and conditions of the Synology end user license agreement accompanying any Software furnished by Synology or an authorized Synology distributor or reseller; and (b) not attempt to reverse engineer any Product or component thereof or accompanying Software or otherwise misappropriate, circumvent or violate any of Synology's intellectual property rights.

4.2 Assignment. Customer will not assign any of its rights under this Warranty directly, by operation of law or otherwise, without the prior written consent of Synology.

4.3 No Additional Terms. Except as expressly permitted by this Warranty, neither party will be bound by, and each party specifically objects to, any term, condition or other provision that conflicts with the provisions of this Warranty that is made by the other party in any purchase order, receipt, acceptance, confirmation, correspondence or otherwise, unless each party specifically agrees to such provision in writing. Further, if this Warranty conflicts with any terms or conditions of any other agreement entered into by the parties with respect to the Product, this Warranty will prevail unless the other agreement specifically references the sections of this Warranty that it supersedes.

4.4 Applicable Law. Unless expressly prohibited by local law, this Warranty is governed by the laws of the State of Washington, U.S.A. without regard to any conflict of law principles to the contrary. The 1980 U.N. Convention on Contracts for the International Sale of Goods or any successor thereto does not apply.

4.5 Dispute Resolution. Any dispute, controversy or claim arising out of or relating to this Warranty, the Product or services provided by Synology with respect to the Product

or the relationship between Customers residing within the United States and Synology will be resolved exclusively and finally by arbitration under the current commercial rules of the American Arbitration Association, except as otherwise provided below. The arbitration will be conducted before a single arbitrator, and will be limited solely to the dispute between Customer and Synology. The arbitration, or any portion of it, will not be consolidated with any other arbitration and will not be conducted on a class-wide or class action basis. The arbitration shall be held in King County, Washington, U.S.A. by submission of documents, by telephone, online or in person as determined by the arbitrator at the request of the parties. The prevailing party in any arbitration or legal action occurring within the United States or otherwise shall receive all costs and reasonable attorneys' fees, including any arbitration fee paid by the prevailing party. Any decision rendered in such arbitration proceedings will be final and binding on the parties, and judgment may be entered thereon in any court of competent jurisdiction. Customer understands that, in the absence of this provision, Customer would have had a right to litigate any such dispute, controversy or claim in a court, including the right to litigate claims on a class-wide or class-action basis, and Customer expressly and knowingly waives those rights and agrees to resolve any disputes through binding arbitration in accordance with the provisions of this Section 4.5. For Customers not residing within the United States, any dispute, controversy or claim described in this section shall be finally resolved by arbitration conducted by three neutral arbitrators in accordance with the procedures of the R.O.C. Arbitration Law and related enforcement rules. The arbitration shall take place in Taipei, Taiwan, R.O.C.,

and the arbitration proceedings shall be conducted in English or, if both parties so agree, in Mandarin Chinese. The arbitration award shall be final and binding on the parties and may be enforced in any court having jurisdiction. Nothing in this Section shall be deemed to prohibit or restrict Synology from seeking injunctive relief or seeking such other rights and remedies as it may have at law or equity for any actual or threatened breach of any provision of this Warranty relating to Synology's intellectual property rights.

4.6 Attorneys' Fees. In any arbitration, mediation, or other legal action or proceeding to enforce rights or remedies under this Warranty, the prevailing party will be entitled to recover, in addition to any other relief to which it may be entitled, costs and reasonable attorneys' fees.

4.7 Export Restrictions. You acknowledge that the Product may be subject to U.S. export restrictions. You will comply with all applicable laws and regulations that apply to the Product, including without limitation the U.S. Export Administration Regulations.

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

4.9 Entire Agreement. This Warranty constitutes the entire agreement, and supersedes any and all prior agreements, between Synology and Customer related to the subject matter hereof. No amendment, modification or waiver of any of the provisions of this Warranty will be valid unless set forth in a written instrument signed by the party to be bound thereby.