

# Mac User Manual - 1.8.x Software

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For Mac OS X 10.3.x (Panther), 10.4.x (Tiger) and 10.5.x (Leopard)



Powered by  NDAS Technology

**Software Release Statement**

User Manual for Mac OS X 10.3.x, 10.4.x and 10.5.x Software Version 1.8.x, released 2009, made in the U.S.A.

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## Chapter 1 Introduction

### **Congratulations on your purchase of NDAS device.**

- Network storage via Ethernet made possible through **NDAS** technology!

#### **1.1 User Manual**

- This User Manual is intended to help you install NDAS device quickly and easily onto your Personal Computer or Ethernet Network and begin using it immediately.

#### **1.2 NDAS device Models Covered By This User Manual**

This User Manual includes information on all the NDAS devices models.

## 1.4 System Requirements

### Mac OS X 10.3.x (Panther)/10.4.x (Tiger)/10.5.x (Leopard)

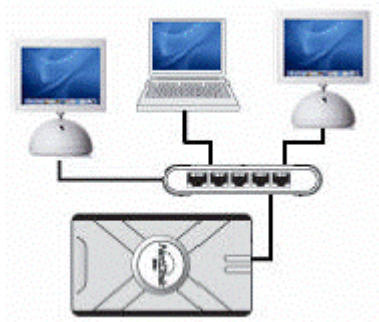
- G4/G5 Power PC, Intel processor Mac with OS 10.3 or later
- 512MB RAM (1GB or more recommended)
- USB 2.0 Port
- 10/100/1000 Base-T full duplex switch for NDAS mode

**Note: NDAS device cannot be used with any type of Hub.**

## 1.5 NDAS device Setup Overview

### NDAS Mode

In NDAS Mode, NDAS device is directly attached to wired/wireless network. Each user on the network can use the NDAS device as if it was a local disk drive.



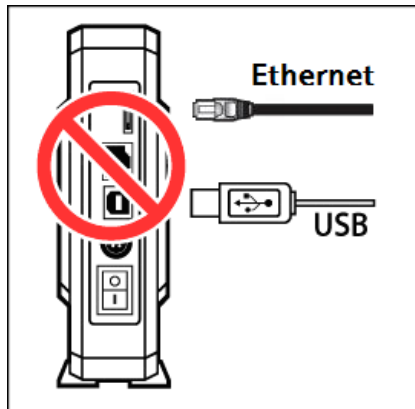
### USB 2.0 Mode

In USB 2.0 Mode, NDAS device is directly attached to a computer's USB Port.



## Chapter 2 Cable Installation

### Warning



Do not connect USB cable and Ethernet cable at the same time.

### 2.1 NDAS Mode

**Note:** *NDAS device software does need to be installed on each computer in order to use in NDAS (Ethernet) mode.*

1. If your NDAS device has dip switches on the rear panel, flip both dip switches down.
2. Connect the included Ethernet cable from the Ethernet port on NDAS device to a switch.  
**Wireless users:** Connect NDAS device to your wireless router or Airport with included Ethernet cable.
3. Make sure the power connector is firmly attached to the NDAS device and connect the power adapter to a power source.
4. If your NDAS device has an On/Off switch, slide the On/Off Switch to ON position.

## 2.2 USB Mode

**Note:** *NDAS Utility software does **not** need to be installed to use in USB mode.*

### **NDAS device**

1. If your NDAS device has dip switches on the rear panel, flip both dip switches up.
2. Connect the included USB cable from USB port on NDAS device to your computer's USB port.
3. Make sure the power connector is connected firmly to the NDAS device and connect the power adaptor to a power source.
4. If your NDAS device has an On/Off switch, slide the On/Off Switch to ON position.

## Chapter 3 NDAS Software Installation

### 3.1 Installing NDAS Utility 1.8 Software

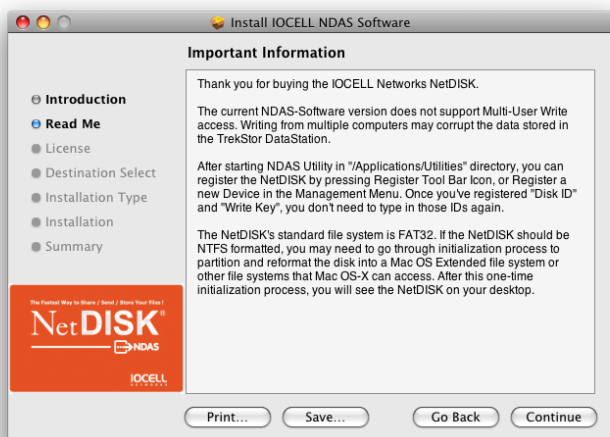
Installation of NDAS software is simple and easy. If downloading software, please double click the disk image and click on 'NDAS software Installer.mpkg' to begin installation.

If you are using the Installation CD, insert the CD into your CD-ROM drive and select 'NDAS software Installer.mpkg'.

1. **Introduction - NDAS Installer** appears. Click the **Continue** button to continue to next step.

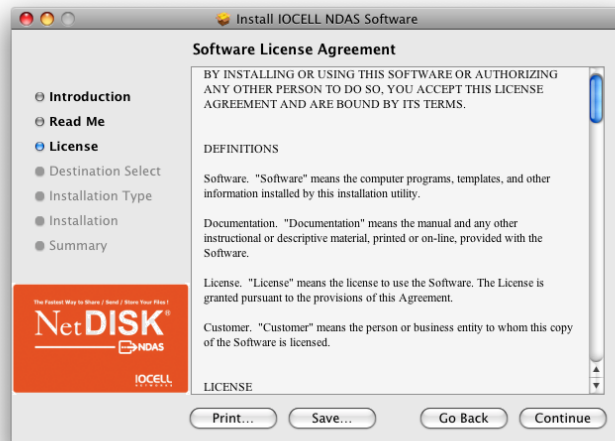


2. **Read Me** - Carefully read the installation notes then click **Continue**.

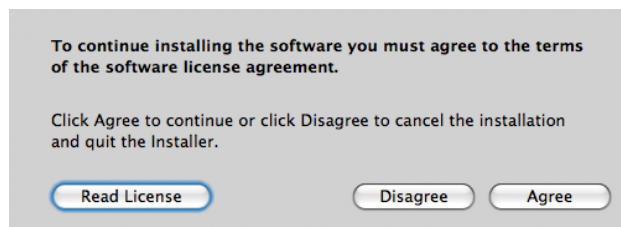




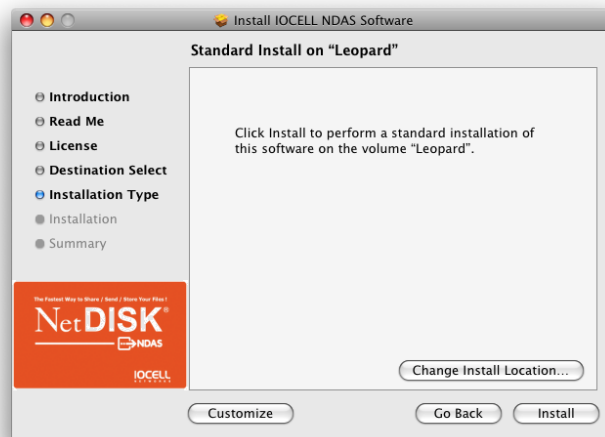
3. **License** - Carefully read the **Software License Agreement** and click **Continue** when finished.



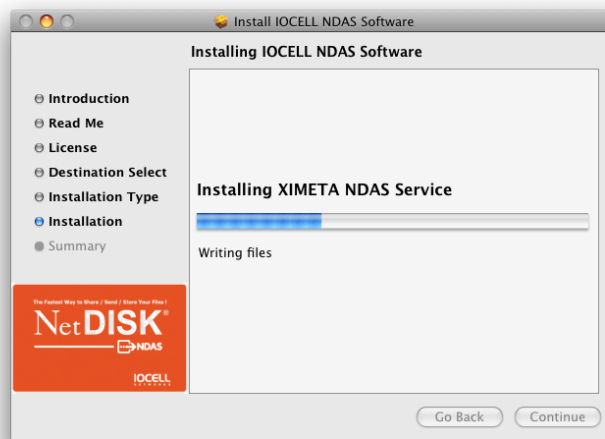
3.1. Click on **Agree** to Accept the User License.



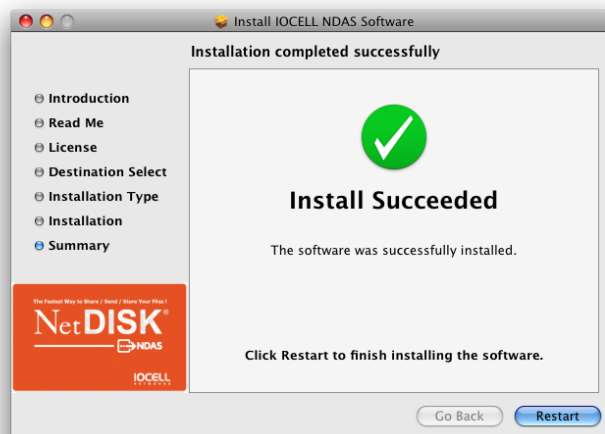
4. **Install** - Click **Install** to begin installing the NDAS Software.



5. Please wait while the NDAS Software installs.



6. **Finish Up** - Click the **Restart** button to complete the installation.



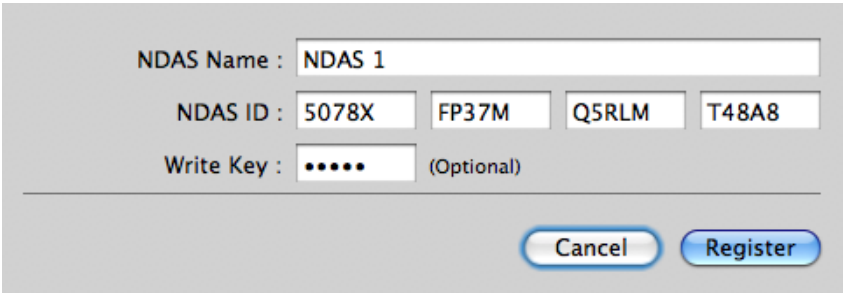
## Chapter 4 NDAS device Registration

### 4.1 Add / Register a New NDAS device.

1. Click on the **NDAS Utility** Icon located in your Utilities Folder.



2. Click the **Register The New Device** icon in the upper left hand corner of the window.
3. **NDAS device Registration** will appear.
4. Enter a name for the NDAS device then add your NetDisk ID(NDAS ID) and **Write Key**. The **Write Key** is needed to write to your NDAS device. Once entered, Click **Register** to continue



NDAS Name : NDAS 1

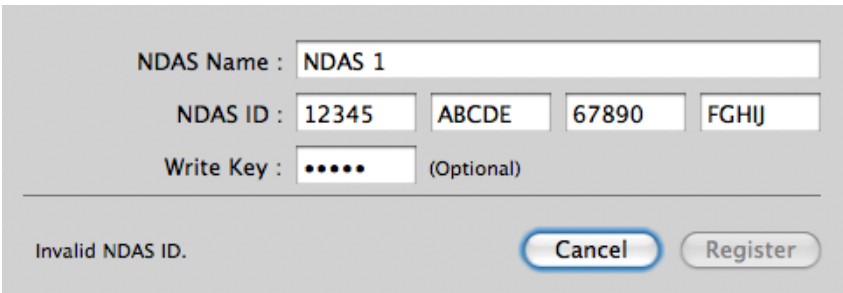
NDAS ID : 5078X FP37M Q5RLM T48A8

Write Key : \*\*\*\*\* (Optional)

Cancel Register

**Note: NetDisk ID(NDAS ID) and Write Key does not contain the letter O. Please use the number 0 for all letter O's.**

**If your NetDisk ID(NDAS ID) and Write key are not typed in correctly, The 'Register' button will not be selectable.**



NDAS Name : NDAS 1

NDAS ID : 12345 ABCDE 67890 FGHJ

Write Key : \*\*\*\*\* (Optional)

Invalid NDAS ID.

Cancel Register

## 4.2 Sharing Your NDAS device

- Once NDAS device is connected to your network, it can be accessed from any computer on your LAN.
- To share NDAS device, the following must occur:

### **Mac OS Environment:**

- All computers and NDAS device must be on the same LAN.
- NDAS device must be connected via Ethernet or Wireless Router.
- The NDAS software must be installed on each system.
- Only One user can have Read/Write access to the NDAS device at a time. All other users must have the device mounted in Read Only Mode.
- NDAS device must be registered onto each computer.

### **Warning:**

- **DO NOT** perform disk operations (**format, partition**) when multiple systems have the NDAS device mounted.
- NDAS device can be formatted or partitioned **ONLY** when **one** system is connected.

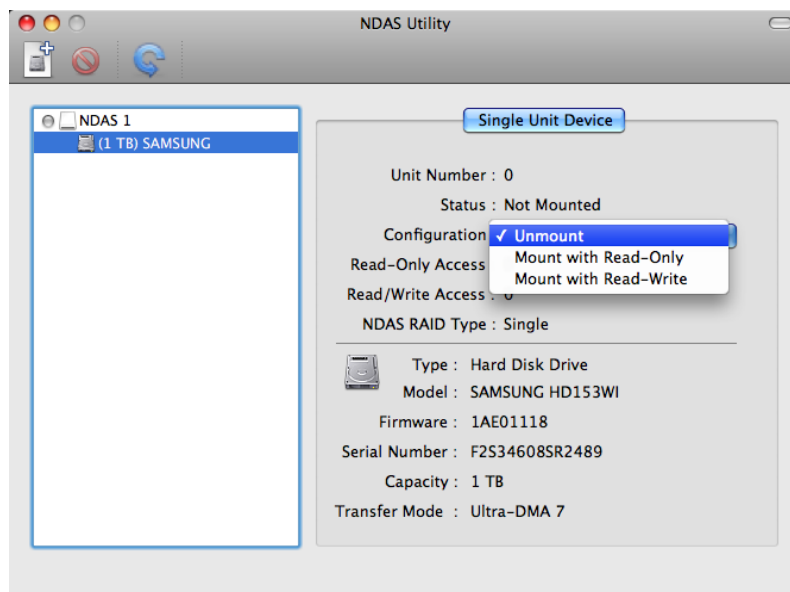
## Chapter 5 NDAS Utility

The **NDAS Utility** is the software that allows you to control your NDAS device and also provides detailed information about the NDAS device that is registered on your system.

To get to the **NDAS Utility** open your Mac Hard Drive, then open your Applications folder, then your Utilities Folder. The **NDAS Utility** should be listed in the Utilities folder.

Click the **NDAS Utility**. All registered NDAS device(s) will be displayed on the **NDAS Utility** Menu.

- **NDAS Utility** - Lists all NDAS devices that are registered.
- **Register a New Device** - Registers a NDAS device to your computer.
- **Unregister the Selected Device** - Removes the NDAS device from the software.
- **Single Unit Device** - Shows the mount status of the NDAS device as well as information regarding the actual disk inside the NDAS device.
- **Configuration** - This is where you will change the Mount status of your NDAS device. Available options will be **Mount Read Only** and **Mount Read/Write**.



## Chapter 6 Using NDAS device

Now that you have successfully installed your NDAS software, it's time to familiarize yourself on using the NDAS device. Once the NDAS device is mounted, it will appear on your Desktop.

Here are a few functions for NDAS device.

- You can use NDAS device like any other hard drive on your system.
  - Drag and Drop files.
  - Copy and paste data to NDAS device.
  - Make and delete files/folder.
  - Share file and folder
  - Backup files directly to the NDAS device
  - Use the NDAS device as Time Machine™ drive for Mac OS X 10.5.x Leopard.
- Time Machine™ is the trademark of Apple Inc.

### 6.1 Read Only and Read / Write Mode

NDAS device provides users with 2 main functions; **Read Only and Read / Write.**

#### Read Only Mode

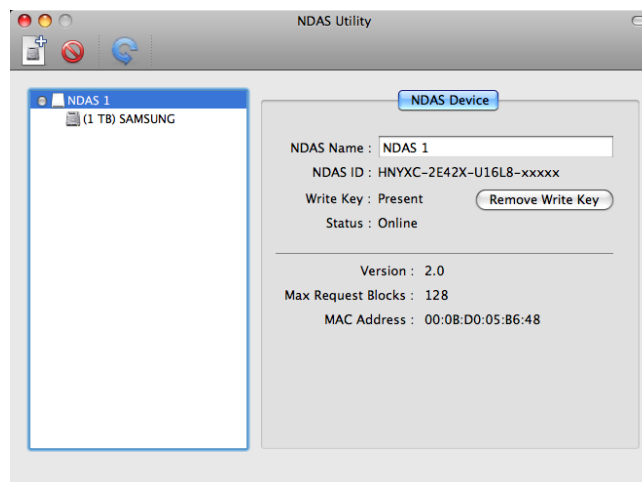
- Any number of users or applications can read from a NDAS device.

#### Read / Write Mode

- Only one user can write to a specified NDAS device at a time.
- No other users can have Read /Write Access to the NDAS device until switches to Read Only mode.

### 6.2 Changing Read Only or Read / Write Mode

Open your NDAS Utility by clicking on your Macintosh HD icon on your Desktop, double click on your Applications Folder, then your Utilities folder.



**Mount with Read Only Mode**

- Select the NDAS device you want to mount.
- Click on **Single Unit Device**.
- Under Configuration select **Mount Read Only**.
- The **status** will now show **Mounted with Read Only**

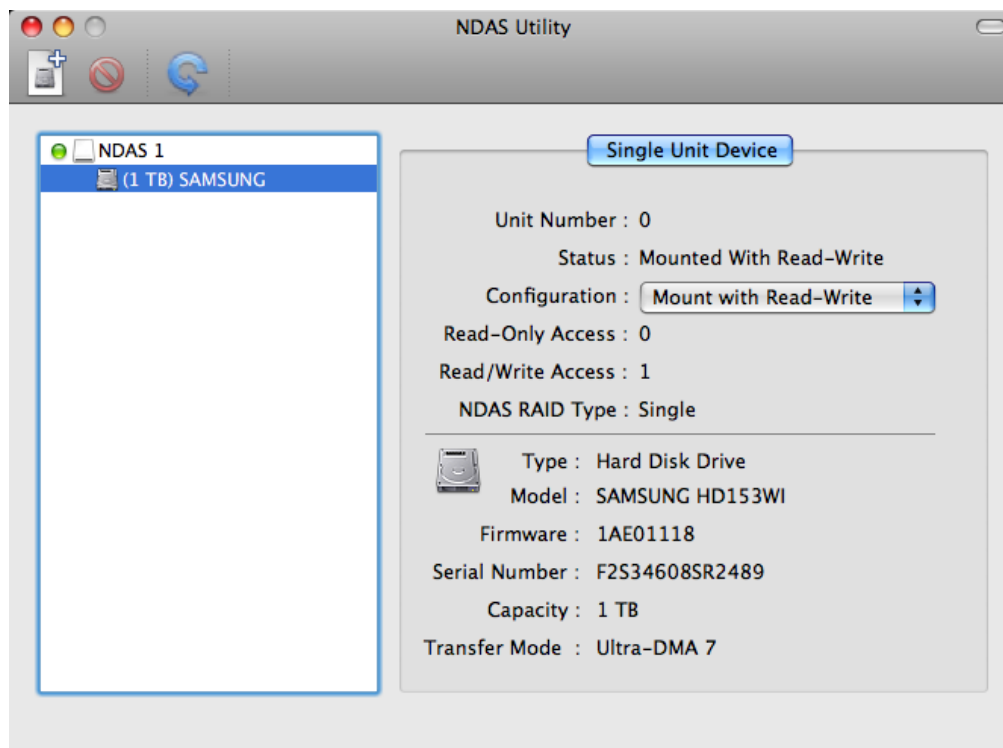
**Mount with Read / Write Mode**

- Select the NDAS device you want to mount.
  - Click on **Single Unit Device**.
- Under Configuration select **Mount Read / Write**.
- The Status will now show **Mounted with Read / Write**

**NOTE:**

- If no other user or application is using the NDAS device, the **status** will change with the specified mounting command. If a user or application **is** using the NDAS device, the **status** will not change.

- Until both the Configuration and Status display the mount information is the NDAS device in that state.



## Chapter 7 Using NDAS device in a Mixed Environment

### 7.1 Mixed Environment with Mac and Windows

- All computers must be on the same LAN with the same Subnet.
- The NDAS device must be connected via Ethernet to a Router/Switch.
- To share the NDAS device each computer must have corresponding NDAS software driver installed
  - On Windows XP/2000, install version 3.xx
  - On Windows 98se/ME, install version 1.x
  - On Mac OS X, install version 1.8.x
- The NDAS device must be registered on each computer.
- Read / Write access can only be granted to one user at a time. The rest of the computers must be in Read Only Mode. Once the Read/ Write access is released another user can request Read / Write Mode.

#### **NOTE:**

The NDAS device comes preformatted at NTFS. In order to use the NDAS device in a Mixed Environment you must format the NDAS device from the Mac in a MS-DOS File System using Disk Utility. MS-DOS file system (also known as FAT32) is the only File System that Mac and Windows can both Read and Write to.



## Chapter 8 Uninstall

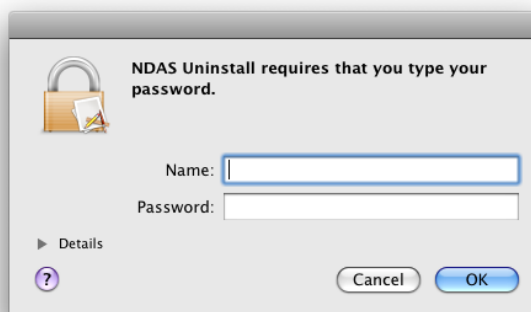
Insert the included “NDAS Installation CD” into your CD-Rom. There you will find the NDAS Uninstaller.

### Step 1

Start the Uninstaller by double clicking the **NDAS software Uninstaller.app**

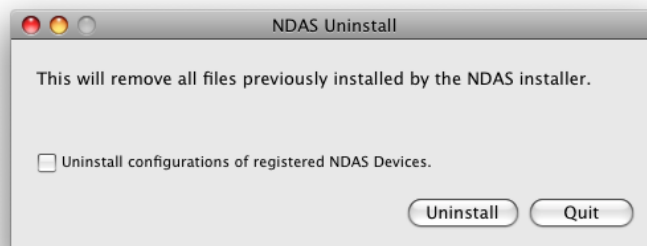
### Step 2

Enter **Password**.



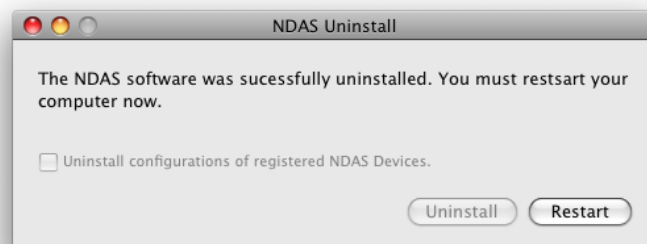
### Step 3

Click **Uninstall**.



### Step 4

Once finished, click **Restart**.



## Chapter 9 FAQ

For the most recent list of FAQs, please visit <http://www.iocellnetworks.com>

### General

#### 1. How do I Disconnect NDAS device?

To disconnect NDAS device, we always recommend using the Eject option. If you CTRL+click on the NDAS device on your Desktop, then you will be given an option to Eject the NDAS device. You may also drag the NDAS device into your Trashcan. After that, you can go into NDAS Utility and unmount your NDAS device.

If you are using USB, then Ejecting the NDAS device is all that is needed.

#### 2. I have installed the Mac Drivers and NDAS device will not Enable.

Make sure you have the latest drivers, available at the Download Center.

Please check the following:

Verify that your cables are plugged in correctly and that you have a link on the switch where NDAS device is plugged into. Make sure that it is formatted to a file system that your Mac can recognize. You can run Disk Utility (Application > Utilities > Disk Utility). This will allow you to see the drive and format it to Mac OS Extended or MS-DOS File System. When plugged in via NDAS (Ethernet), please try enabling Read Only mode and reboot your Mac. It should show up on your desktop as a Hard Drive. Then use the NDAS Utility to enable Read/Write mode.

If that still does not work, try plugging it in via USB to see if it is recognized just to make sure the NDAS device is fine. If that works, then try reinstalling the NDAS device software. If it still does not mount, then try formatting the NDAS device again via USB and retry Enabling the drive.

#### 3. How should I format NDAS device?

It is recommended to format NDAS device to Mac OS Extended format using the Disk Utility (Applications > Utilities > Disk Utility). If you also have a Windows computer as well, and would like to use it between the two, then you must format it to FAT32 for it to be recognized on both computers. You may use the "MS-DOS File System" option to format the disk in FAT32.

#### 4. The NDAS device mounts up fine and I can see it on my desktop, but it disappears randomly and reappears. What is going on?

This problem can occur if the connection between your computer and the NDAS device are a little unstable. Make sure that you are not using any Hubs, and that only Switches are being used to connect your computers and the NDAS device to each other. If you are using a wireless connection, make sure your signal strength is strong.

Try to connect the NDAS device directly to your ethernet port on your Mac to see if the connection is stable. This will ensure that the NDAS device's ethernet port is fine. If your connection stabilizes, then try replacing your ethernet switch or router.

If the problem persists with any switch or router, a newer software version may fix your issue. Check the Download Center for possible updates.

**5. Can I access the NDAS device from my Mac in a windows OS network?**

Yes you can, but there are limitations writing to the NDAS device with this setup. First it is best to format the NDAS device to FAT32. Once you register the NDAS device from your Mac, you will not be able to have write access if another windows OS computer has mounted read write. However the NDAS device can be used for windows file sharing and can map from the Mac. This way everyone can get read and write access to the NDAS device without a problem.

**6. Can the NDAS device be left on over night?**

Yes your NDAS device can be turn on 24 / 7. Before you turn off your computer we do recommend that you unmount the NDAS device to limit future problems with your NDAS device.

**7. When adding NDAS device to my computer, it tells me that my ID and Key are invalid. What's wrong?**

You may not have entered all the alpha-numeric values correctly. There are no letter "O"s; please verify that you have used the number "0" (zero) for anything resembling an "O." Also please check your other letters as well; two V's may look like a W. Start by entering only the NetDisk ID (NDAS ID). The ADD button should not be grayed out if the correct ID is entered. Once it is not grayed out, proceed to add the Write Key as well.

Please also make sure that there are 20 characters for the NetDisk ID(NDAS ID), not including the Write Key.

**8. I cannot enable read/write access on more than one machine.**

With our current Mac drivers, only one machine can have read/write access at a time. The other machines will all have read-only access. We are working on a multi-write driver for Mac, and is expected to be released sometime in the future.

**9. Why can't my computer go into hibernation or standby?**

If you want to use your computer in hibernation or standby, you must have NDAS device disabled before that can occur. You can disable the NDAS through the NDAS Utility.

**10. It takes over a minute for the NDAS device to show up on my desktop after enabling.**

If you are running your Mac on a wireless connection, this may happen. A wireless connection may take some time to properly obtain a stable connection with the NDAS device. If your NDAS device is formatted in FAT32, this may also cause the mount to take long. If you wish to improve the speed, try reformatting the NDAS device in Mac OS Extended (only if you have a Mac ONLY environment). Later software releases may increase speeds, so make sure you have the latest driver release.

## Chapter 13 Regulatory Statements

## Chapter 14 Product Warranty





## Chapter 15 Additional Information and Assistance

For additional information, frequently asked questions or troubleshooting help, please refer to the User Manual.