

This document outlines how to utilize the Drobo 5N as a backup destination with Apple's Time Machine. Time

Machine is an automated backup solution that provides continuous backups of the entire Mac including all system files, applications, accounts, preferences, email messages, music, photos, movies, and documents. Time Machine keeps hourly backups for the past 24 hours, daily backups for the past month, and weekly backups until your backup drive is full. Once the backup storage is full, the oldest backups will automatically be purged to make room for new backups. Using the expansive storage capacity of a Drobo, Time Machine can have the ability to allow for restores going back several months or more.



Like a Drobo, Time Machine is incredibly simple to setup and maintain. It is included with the OSX operating system and only takes a few minutes to setup. While this document covers enabling Time Machine on a single computer, as the 5N supports up to 16 shares the process can be repeated to allow all computers in the home or small office to utilize the 5N for backup storage.

NOTE – Every computer configured requires its own dedicated Time Machine enabled share on the 5N



## **Topics**

- Provisioning Drobo Storage
- Enabling Time Machine

# What You Will Need

- A Drobo 5N
- The Latest Drobo Dashboard management software
- Apple OSX Lion or Mountain Lion with all updates installed

## **Prerequisites**

This document assumes that there is a Drobo network attached storage device, and that it is connected to either a current wired or wireless network. For information on the initial configuration of a 5N, consult the URL below.

http://www.drobo.com/start/drobo-5n-start.php



# **Provisioning Drobo Storage**

### **STEP 1**

droPo	Drobo Dashboard	? _ ×
All Drobos (1)	All Drobos	
<ul> <li>Capacity</li> <li>Shares</li> <li>✓ Tools</li> <li>◊<sup>(9)</sup> Drobo Settings</li> </ul>	Sort By : Health Name   Product	
Dashboard Preferences		
? Help and Support		
deps to the second	Drobo Drobo 5N	
www.drobo.com	Double-click a Drobo to open its details screen.	

Load the Drobo Dashboard and select the 5N that will be used with Time Machine.

### **STEP 2**

droPo	Drobo <b>Dashboard</b>	? _ ×
I: All Drobos (7)     I Status     Capacity     III Shares     ADrobo Apps     ✓ Tools	Copout Admin	
☆ <sup>#</sup> Drobo Settings	Mount Share Name	Status
Dashboard Preferences	CCC_Backup	Available
r Help and Support	DroboApps	Available
	Plex_Media	Connected
drobo	Public	Available
Het Data Cache is active	Share Settings Drobo is healthy and has sufficient ca replacing an existing hard drive with a	pacity. No action is required at this time. You can add capacity by drive of larger capacity.

Click on **Shares** in the left column and then select **Share Settings**.

**NOTE -** If no administrative username and password has been configured, a prompt will appear.

Create an administrative account and record the credentials, as they will be needed every time the Drobo Dashboard is used to manage the device.



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21	E	P 3

Share Settings	dro <sub>Po</sub>
Manage settings per share, or switch to the "Users" view to manage settings per user.	Switch View: Shares Users
1. Select a share	2. Change user access
Public	Admin
CCC_Backup	Everyone
Plex_Media	All Users
	Guests
Add Edit Delete	
No share selected	
	ОК Салсе
Add Share	droĐo
Add Share	dro <sub>b</sub> o
Add Share Please enter share name.	droPo
Add Share Please enter share name.	drobo
Add Share Please enter share name.	droPo
Add Share Please enter share name. Share Name	drobo
Add Share Please enter share name. Share Name	dro <sub>b</sub> o Time_Machine
Add Share Please enter share name. Share Name	dro <sub>b</sub> o Time_Machine
Add Share Please enter share name. Share Name Enable Time Machine suppor	dro <sub>b</sub> o Time_Machine
Add Share Please enter share name. Share Name  Enable Time Machine suppor (please read this important informat)	dro <sub>b</sub> o Time_Machine
Add Share Please enter share name. Share Name  Control	dro <sub>b</sub> o Time_Machine t on this share tion) 1000 GB
Add Share Please enter share name. Share Name  Control	dro <sub>b</sub> o Time_Machine t on this share tion) 1000 GB your hard drive - 929.9 GB)
Add Share Please enter share name. Share Name  Control	dro <sub>b</sub> o Time_Machine t on this share tion) 1000 GB your hard drive - 929.9 GB)
Add Share Please enter share name. Share Name  Control Enable Time Machine support (please read this important informat Limit Backup Size to (Recommend two times the size of	dro <sub>b</sub> o Time_Machine t on this share tion) 1000 GB your hard drive - 929.9 GB)
Add Share Please enter share name. Share Name C Enable Time Machine suppor (please read this important informat Limit Backup Size to (Recommend two times the size of	dro <sub>b</sub> o Time_Machine t on this share tion) 1000 GB your hard drive - 929.9 GB)

Click Add in the Select a Share box.

In the **Add Share** dialog box, enter a name for the share that will be used for Time Machine backups.

Click Enable Time Machine support on this share checkbox to designate the share as a Time Machine repository.

Enter a storage limit in the Limit Backup Size to field. This value should be at least two times the size of all drives physically installed or plugged into the computer.

**NOTE** – Over time, all storage assigned to Time Machine will be utilized for additional backups.

Assigning more than 2x the size of the system disks will allow for additional backups over a longer duration.



#### **STEP 4**

Share Settings	droPo
Manage settings per share, or switch to the "Users" view to manage settings per user.	Switch View: Shares Users
1. Select a share	2. Change user access
Public	Admin
CCC_Backup	Everyone
Plex_Media	All Users
Time_Machine	Guests
Add Edit Delete	
Selected Share: Time_Machine	
1 user has Read / Write access to this share	
No users have Read Only access to this share	
	OK Cancel

Once a Share is created it is important that the User Access is set correctly. Time Machine volumes are limited to a single connection and should be restricted to only that host.

**NOTE –** For multiple computers, Time Machine requires a dedicated share for each host.

The 5N is limited to 16 shares.

#### **STEP 5**

Drobo <b>Das</b>	shboard	? _ ?
C Drobo Shares Logout: Admin	D5N <sub>  Drobo 5N</sub>	
Mount	Share Name	Status
0	CCC_Backup	Available
O	DroboApps	Available
Ø	Plex_Media	Connected
0	Public	Available
िष	Time_Machine	Connected (Time Machine Enabled)
Share S	Settings	vacity. No action is required at this time. You can add capacity by drive of larcer capacity.
	Crobo Das C Drobo Shares Logout: Admin Mount C C Shares Logout: Admin C C Shares	Crobo Dashboard  C Drobo5N Drobo5N Drobo 5N Drobo5N Drobo5N Drobo4pps Drobo4pps Plex_Media Drobo4pps Plex_Media Public Time_Machine  Share Settings  Trobo is heatity and has sufficient cap are existing hand drive with a

Mount the shared created for Time Machine to the host using the Drobo Dashboard



# **Enabling Time Machine**

### **STEP 1**





Go to **É** menu and select **System Preferences.** 

Select **Time Machine** and turn **On** Time Machine.

Click **Select Disk** and choose the Share that was created as the Disk to backup too.



#### **STEP 2**

and the second se		
<b>9</b>	Enter your name and password for the server "Drobo5N.local" so that Time Machine can access it.	
	Connect as: Guest	
	Conceptioned Oser	
	Name: Admin	
	Password:	
	Cancel	

An authentication dialog will appear requesting the credentials to access the newly created Time Machine share.

**NOTE** – The username and password are the same as those configured in the **Share Settings** in step #4 above.

### **STEP 3**

0 0	Time Machine
Show All	٩
	Time_Machine - Drobo5N         1.07 TB of 1.07 TB available         Oldest backup: None         Select Disk         Backing up: 3.18 GB of 78.64 GB
l'ime Machine	
OFF ON	Time Machine keeps: • Hourly backups for the past 24 hours • Daily backups for the past month • Weekly backups for all previous months The oldest backups are deleted when your disk becomes full.
Click the lock to prevent further changes.	Show Time Machine in menu bar Options ?

The initial backup will begin within 120 seconds.

The first backup can take considerable time, as it must copy all data to the Drobo. Subsequent backups will only copy changes to the Drobo and will typically complete within a few minutes

**NOTE** – Time Machine will continue to run in the background. The dialog can be closed as soon as it is confirmed that the initial backup has successfully started.

If the Drobo is configured to spin down disks during inactive periods, they will be spun up every hour when Time Machine initiates.

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