

## Integrating RDX® QuikStor™ into QNAP® NAS Backup

**QNAP NAS Systems provide an OS-built in utility to enable scheduled backups on direct attached USB-disks to secure business critical data. With the integration of Tandberg Data's RDX QuikStor removable media system, users can now implement a full disaster recovery solution.**

Even almost all QNAP NAS storage systems offer data redundancy via RAID technology, data should be backed up to an external device to be protected against hardware failures or human errors. An easy to use built in utility allows scheduled backups to USB attached devices like memory sticks or external hard disks.

But these devices don't offer much reliability and durability, as they are not specifically designed for backup and archiving tasks with on/offline storage requirements. The RDX removable storage systems are a media based rugged, reliable and convenient backup appliances which fit perfectly into a professional backup strategy. RDX QuikStor easily attaches to QNAP NAS systems via USB 3.0 and is ready to go.

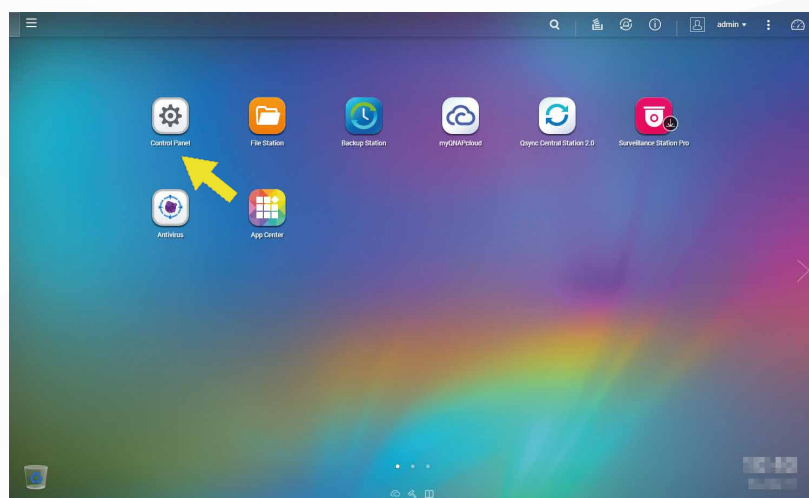
After the backup job has completed, the RDX QuikStor media can be ejected to be placed into a secure location. Another media should then be inserted for the next backup job. This media rotation scenario provides the best protection against data loss and unpredictable failures and disasters.

The following guide explains how to integrate an RDX QuikStor drive directly to a QNAP NAS system and how to schedule a backup job.



*RDX QuikStor combines the Benefits of Disk and Tape      QNAP NAS Systems provide a direct backup to RDX QuikStor*

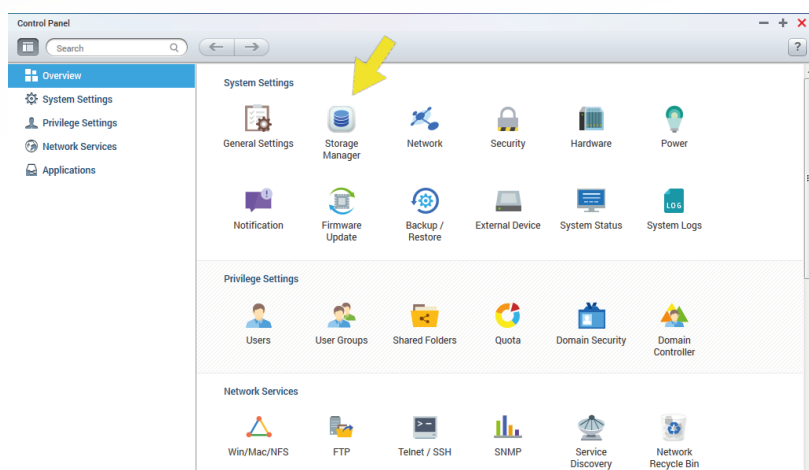
## Introducing RDX® QuikStor™ to QNAP® NAS



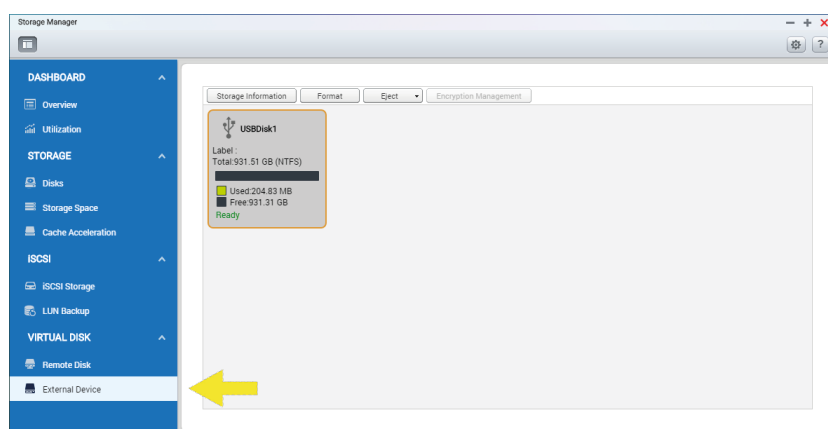
▶ Start your NAS system and connect your RDX QuikStor drive to the USB 3.0 port at the back of your NAS system.

Insert an RDX media into the drive.

From the home page window, click on "Control Panel".

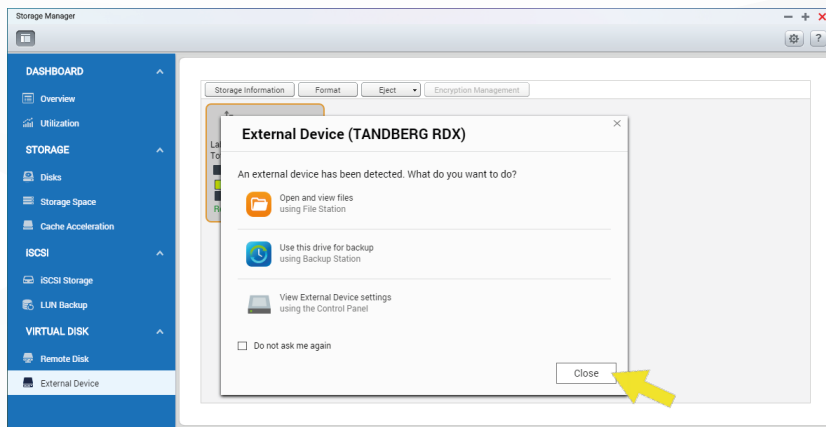


▶ Click on "Storage Manager".



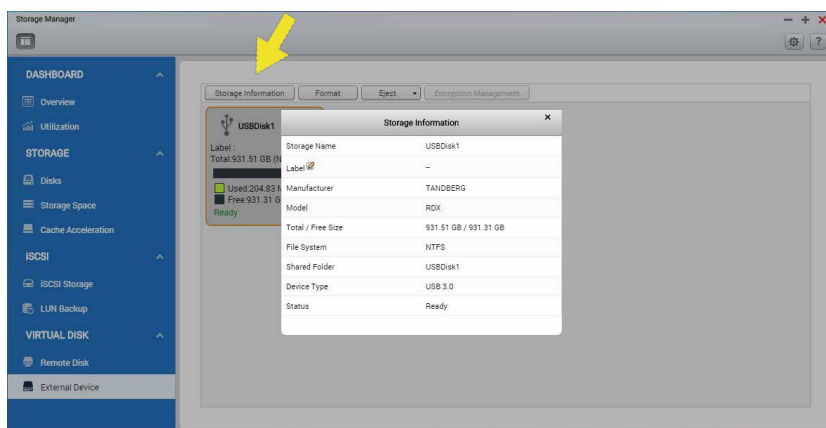
▶ Click on "External Device", the RDX drive will appear as USBDisk1.

## Introducing RDX® QuikStor™ to QNAP® NAS



If a media is inserted, a popup window appears after some seconds.

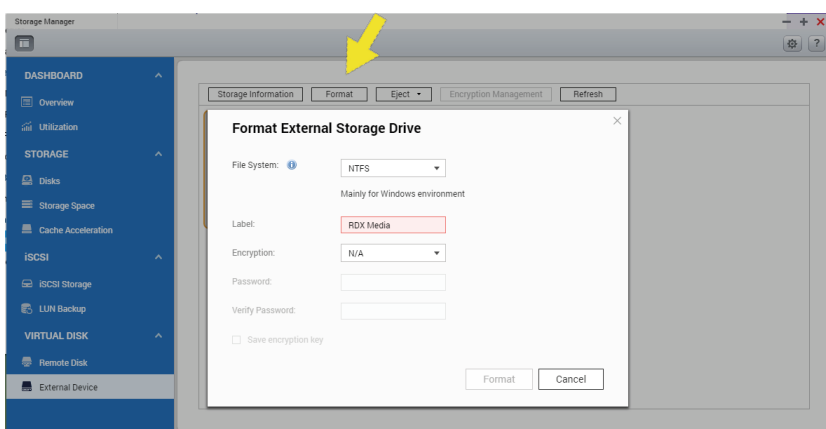
Click on "Close".



Click on "Storage Information" to see the settings of this media.

RDX media is pre-formatted with NTFS file system. You might want to change this to EXT4 for maximum backup performance.

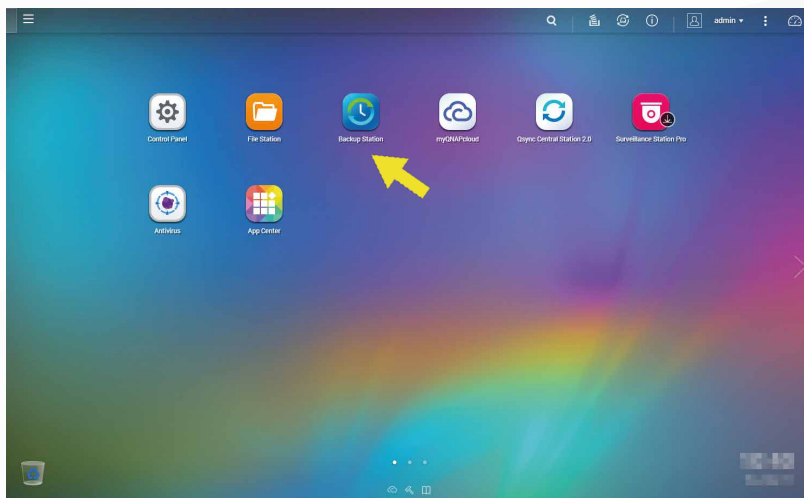
For Windows compatibility, the NTFS file system should be kept.



Click on "Format" to change your desired settings for file system, label and encryption. Encryption ensures that data on RDX media cannot be accessed during transport and off-site storage.

In this case a password is required.

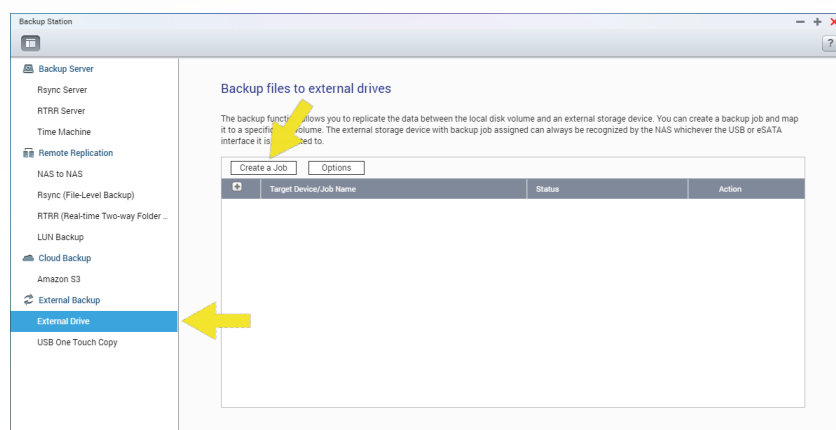
## Establish a Backup Job to RDX® QuikStor™



Close the Storage Manager.

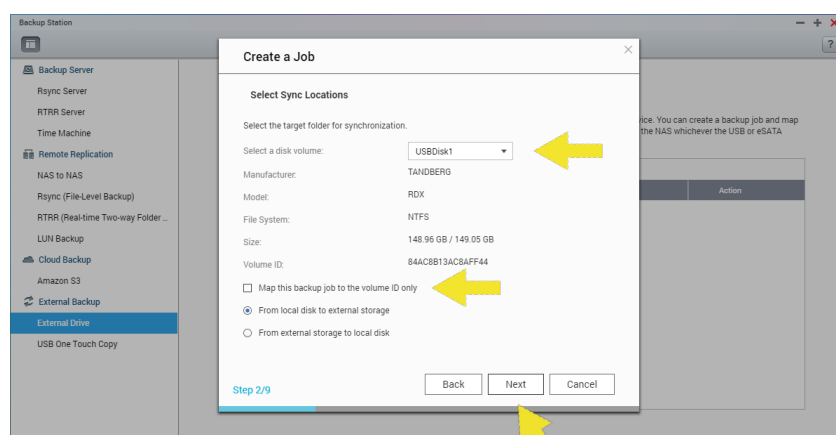
Close the Control Panel.

At the home page click on "Backup Station".



In the Backup Station window click on "External Drive" under the "External Backup" section.

Then click on "Create a Job".



The "Create a Job" wizard starts up. Click "Next" to skip the introduction page.

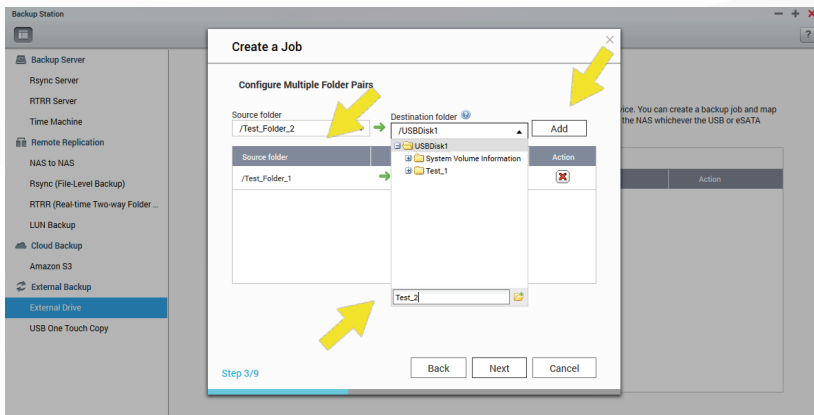
Select "USB Disk 1" from the "Select a disk volume" pull-down menu. All other values are inserted automatically.

Uncheck "Map this backup job to the volume ID" if you want use multiple media for media rotation.

Check the radio button "From local disk to external storage".

Then click on "Next".

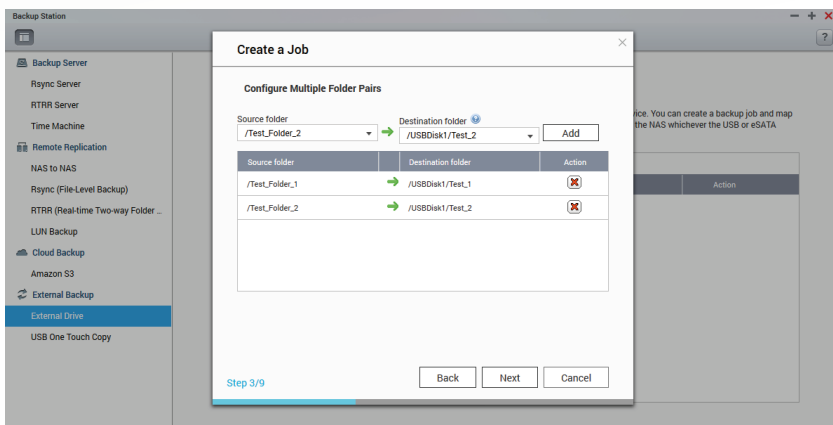
## Establish a Backup Job to RDX® QuikStor™



Select a folder you want to backup in the "Source folder" pull down menu.

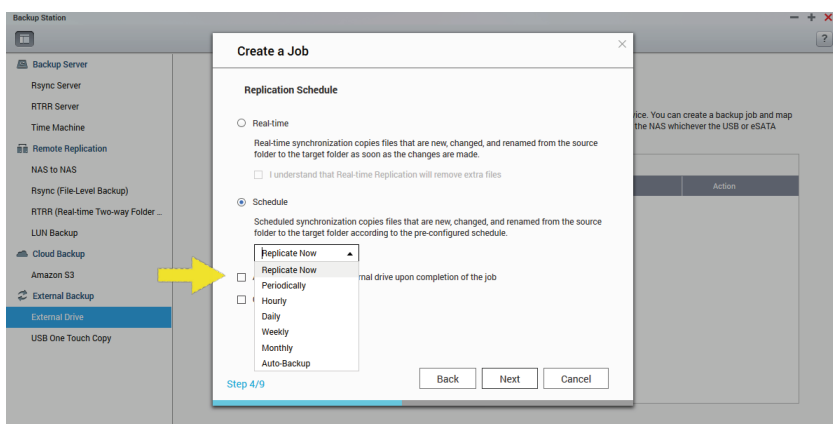
Select "USBDisk1" as the destination folder. You might specify a subfolder in the lower part of the pull down menu.

Click on "Add".



Repeat the steps above for all folders you want to backup.

Then click on "Next".

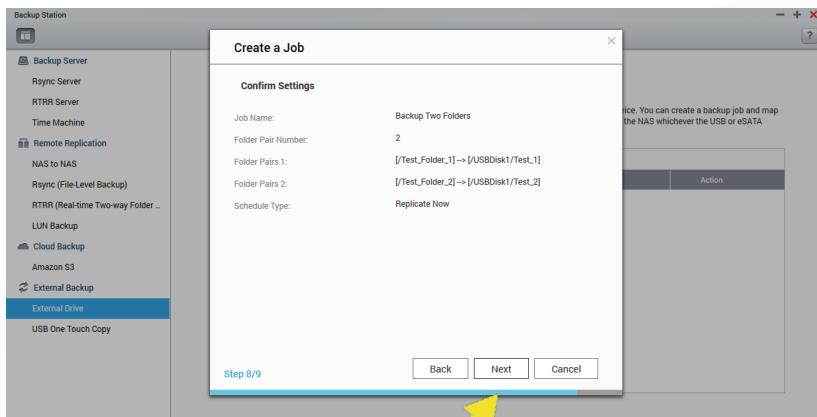


Choose a schedule for your backup.

We recommend to check the "Automatically eject the external drive upon completion of the job" box to get a visual control upon the status of the backup job.

Click "Next".

## Establish a Backup Job to RDX® QuikStor™



Enter a job name.

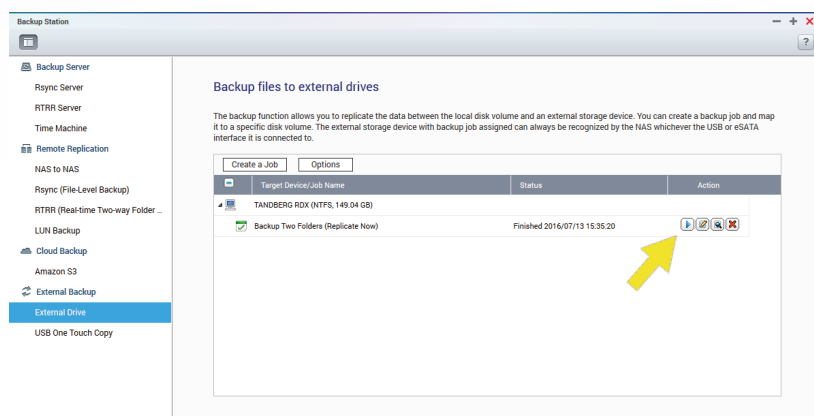
Click "Next".

Check your settings.

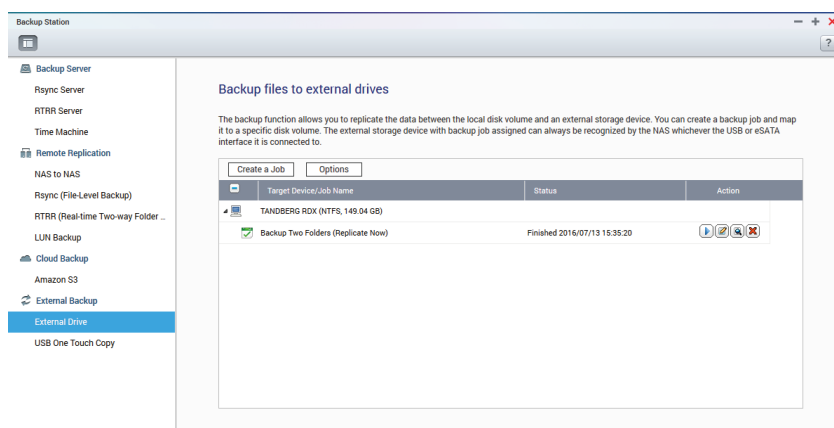
Click "Next".

Your settings are saved.

Click "Finish".

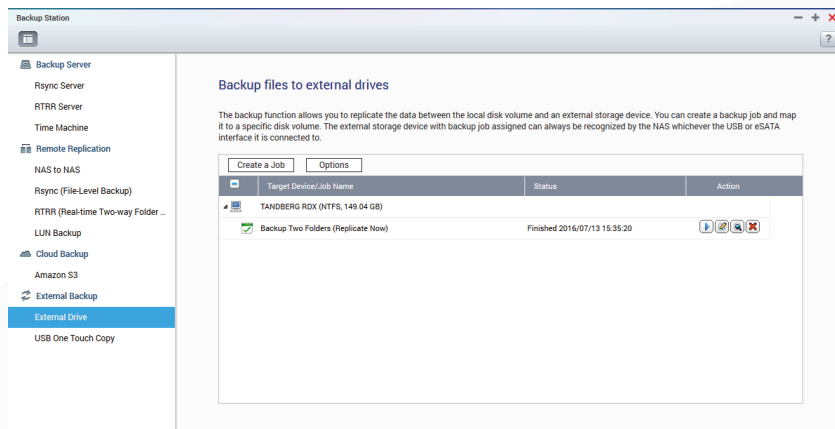


Your backup job had been created. It is started upon the defined schedule or by clicking on the start-button.

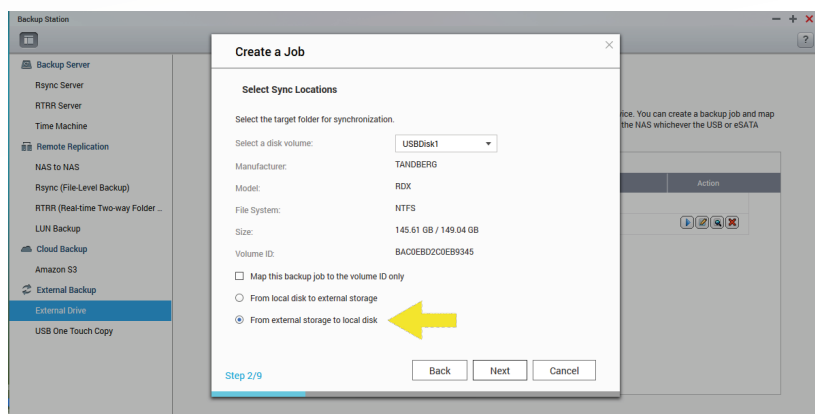


Your backup has finished successfully.

## Restoring your Data from RDX® QuikStor™

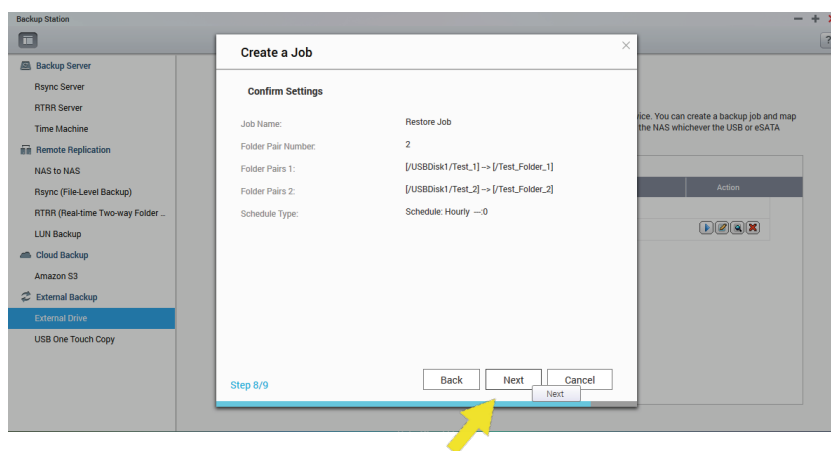


To restore your data from RDX QuikStor, you can either create a "Restore Job" or using the File Station utility of your QNAP NAS.



To create a "Restore Job", start the Backup Station utility, and create a new job.

Activate the radio-button "From external storage to local disk". Proceed creating that job like you did before but just change the order of source and destination folders.



Assign a name.

Click "Next".

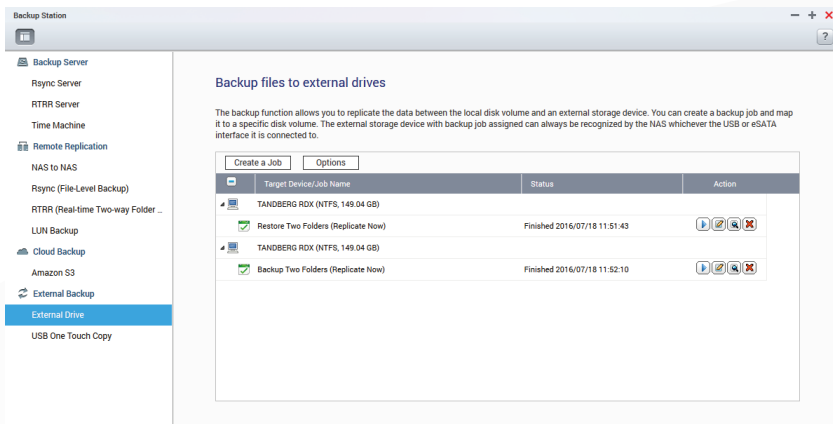
Check your settings.

Click "Next".

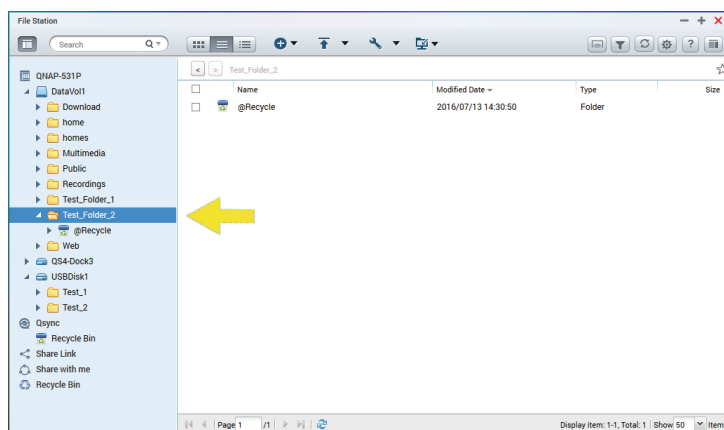
Your job will be saved.

Click "Finish".

## Restoring your Data from RDX® QuikStor™

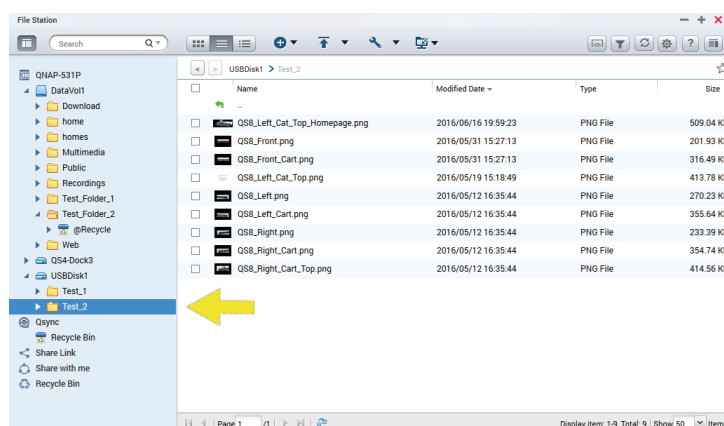


Now you've created a corresponding restore job according to your backup job.



To restore your data from RDX QuikStor using the File Station utility of your QNAP NAS, select "File Station" from the main menu.

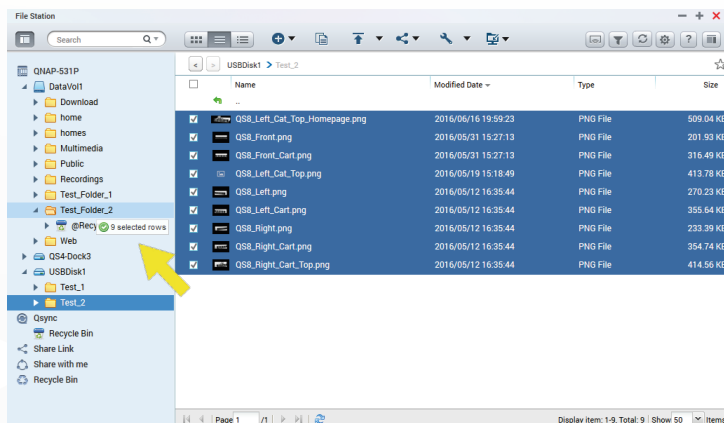
In our example, we lost files in Test\_Folder\_2.



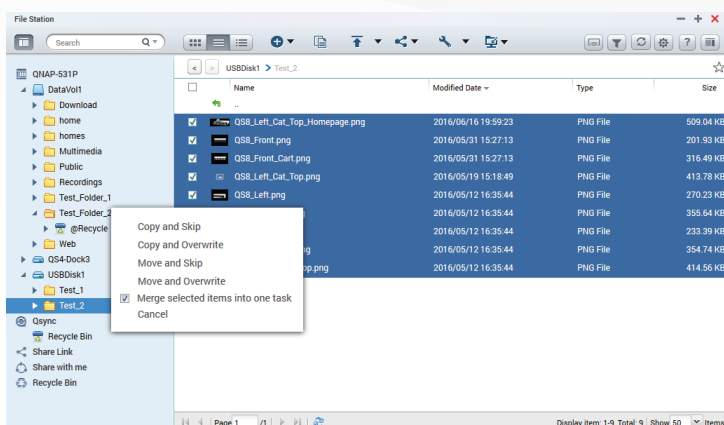
This folder was backed up to USBDisk1 to folder Test\_2.



# Restoring your Data from RDX® QuikStor™



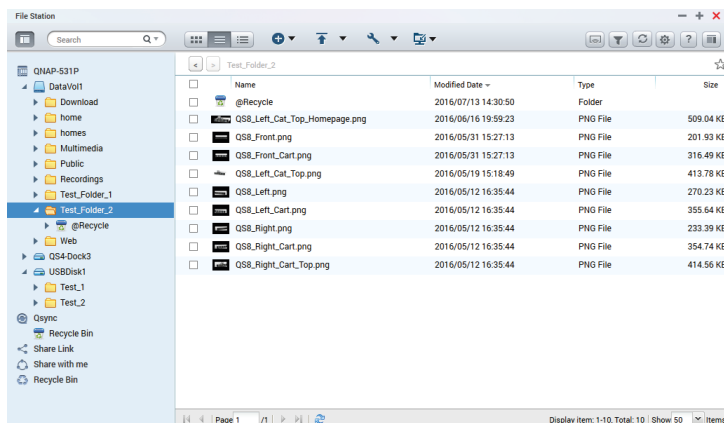
Select all files you want to restore. Drag and drop them to the appropriate directory, here, *Test\_Folder\_2*.



A popup-window appears which lets you select from various options:

- Copy and skip existing files
- Copy and overwrite existing files
- Move and skip existing files
- Move and overwrite existing files

We recommend to check the box "merge selected items into one task".



The Files are restored.

For further information on Tandberg Data RDX removable disk systems and QNAP NAS visit:

[www.tandbergdata.com/us/index.cfm/products/removable-disk/](http://www.tandbergdata.com/us/index.cfm/products/removable-disk/) and <https://www.qnap.com/i/en/>

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