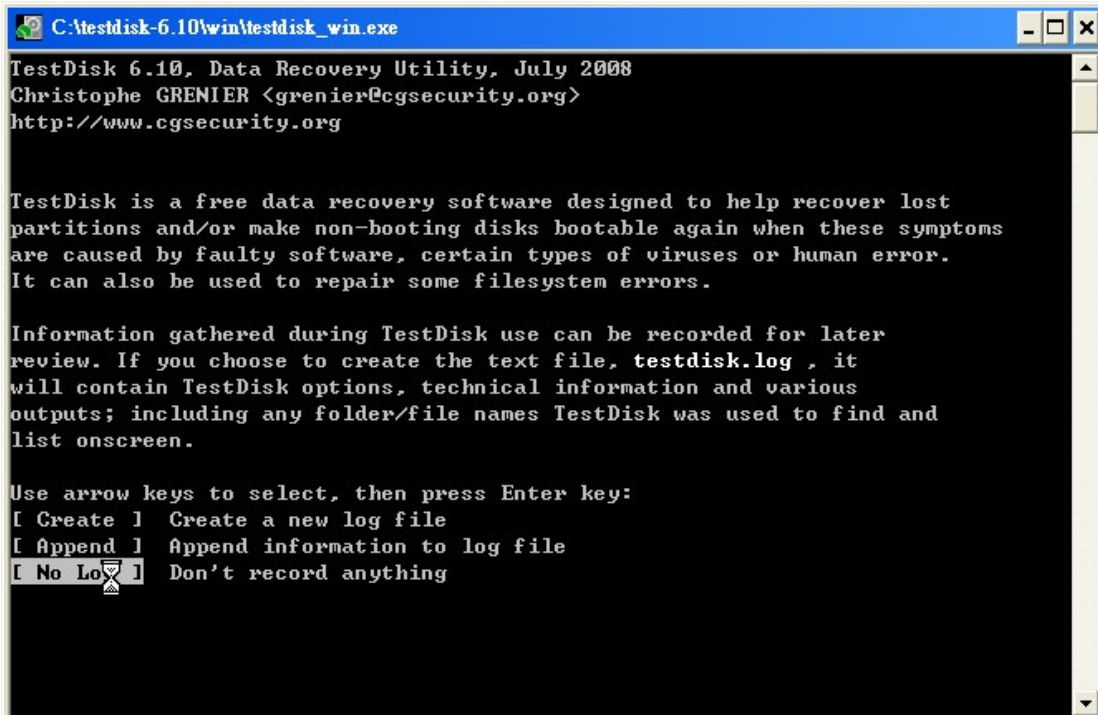


# How to use Windows PC to access the data from the HDD partitioned by QNAP TS-109/-209 series?

Before you start, please note:

- A. This procedure only applies to the HDD with volume configuration is single disk or RAID-1.
- B. TS-100/101/201/409 series use standard ext3 format and you don't need to use this procedure. Just install ext2fsd on your windows PC and mount the 3<sup>rd</sup> partition of the HDD to access your data.
- C. Large size files (more than 600MB) and filename with special characters/ Asian filename can not be copied to your PC through this program.

1. Connect the HDD to your Windows PC by USB, eSATA or standard SATA cable.
2. Go to TestDisk website and download the latest TestDisk windows version.  
<http://www.cgsecurity.org/wiki/TestDisk>
3. Unzip the files to a folder of your Windows PC.
4. Run the testdisk\_win.exe on win sub-directory.
5. It will show the following screen, Select No Log and press Enter.



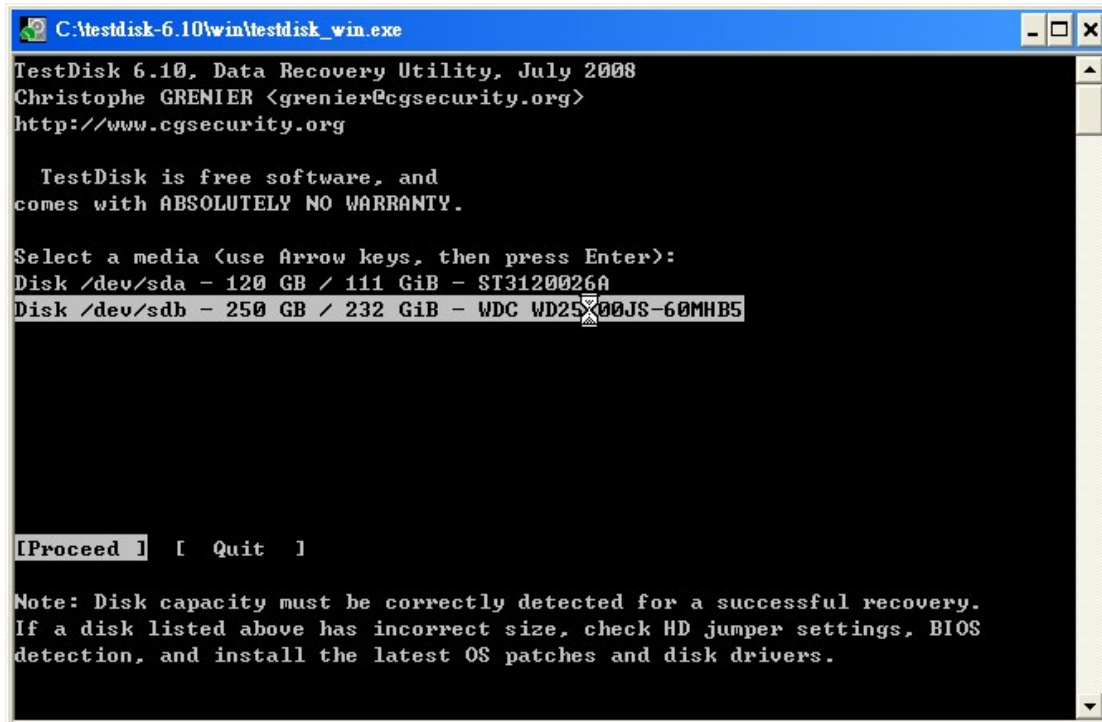
```
C:\testdisk-6.10\win\testdisk_win.exe
TestDisk 6.10, Data Recovery Utility, July 2008
Christophe GRENIER <grenier@cgsecurity.org>
http://www.cgsecurity.org

TestDisk is a free data recovery software designed to help recover lost
partitions and/or make non-booting disks bootable again when these symptoms
are caused by faulty software, certain types of viruses or human error.
It can also be used to repair some filesystem errors.

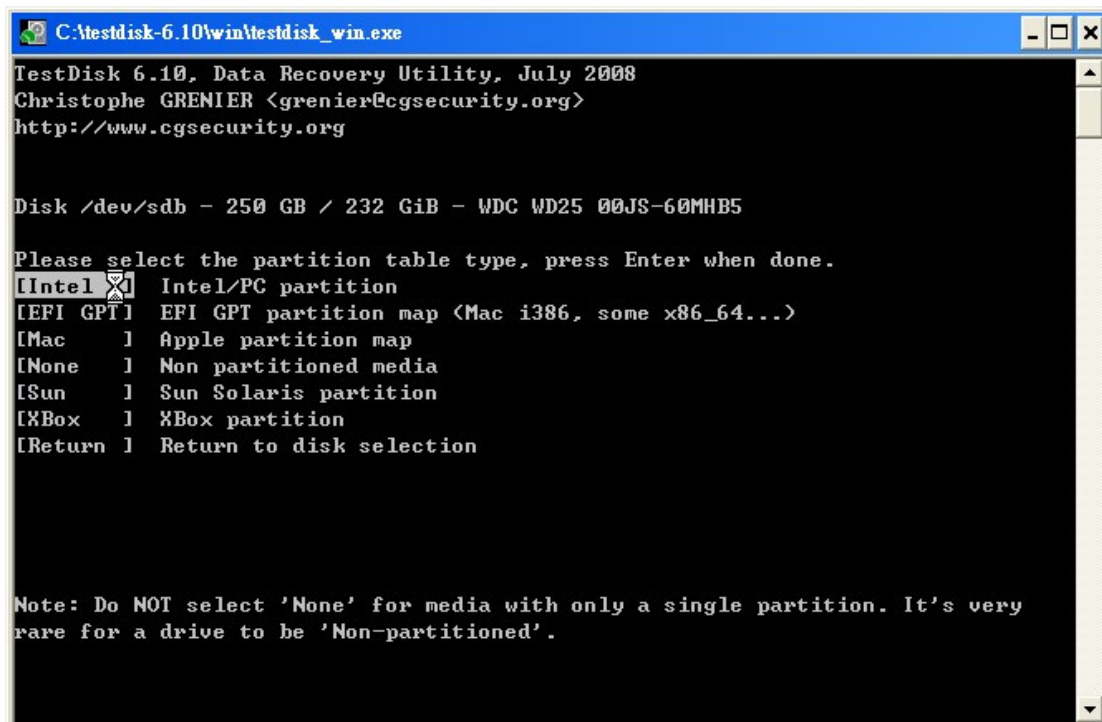
Information gathered during TestDisk use can be recorded for later
review. If you choose to create the text file, testdisk.log , it
will contain TestDisk options, technical information and various
outputs; including any folder/file names TestDisk was used to find and
list onscreen.

Use arrow keys to select, then press Enter key:
[ Create ] Create a new log file
[ Append ] Append information to log file
[ No Log ] Don't record anything
```

6. Select your external HDD, choose Proceed and press Enter.



7. Select Intel and press Enter.



8. Select Analysis and press Enter.

```
C:\testdisk-6.10\win\testdisk_win.exe
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Disk /dev/sdb - 250 GB / 232 GiB - CHS 30401 255 63

[ Analyze ] Analyse current partition structure and search for lost partitions
[ Advanced ] Filesystem Utils
[ Geometry ] Change disk geometry
[ Options ] Modify options
[ MBR Code ] Write TestDisk MBR code to first sector
[ Delete ] Delete all data in the partition table
[ Quit ] Return to disk selection

Note: Correct disk geometry is required for a successful recovery. 'Analyze'
process may give some warnings if it thinks the logical geometry is mismatched.
```

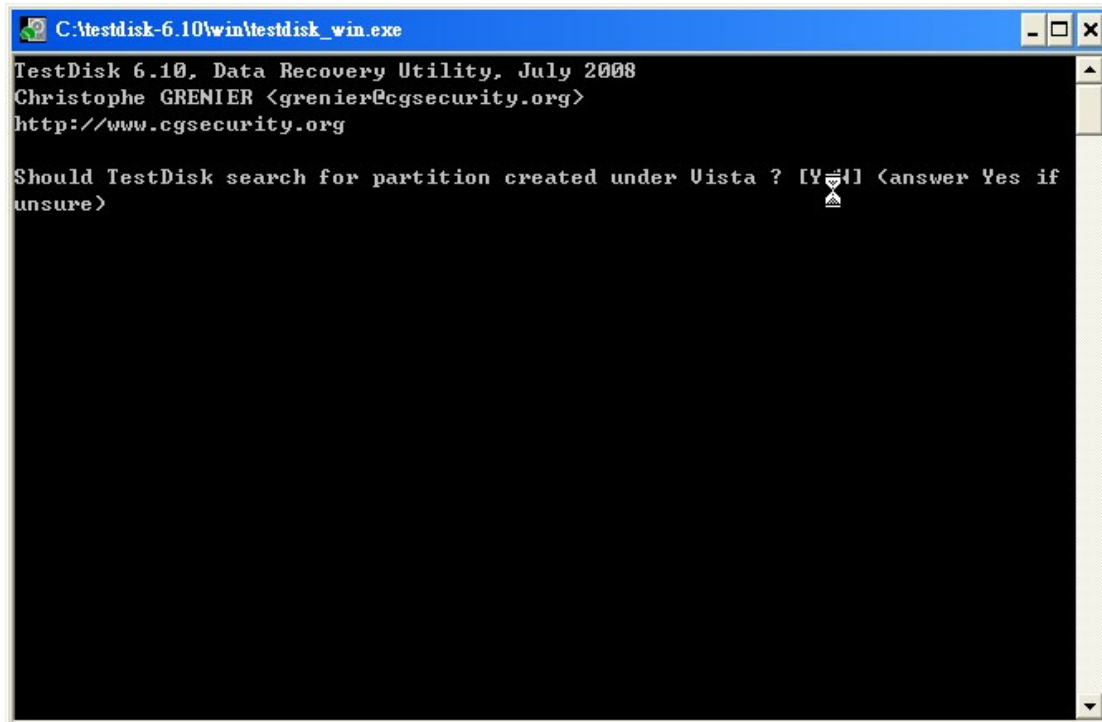
9. Select Quick Search on this page.

```
C:\testdisk-6.10\win\testdisk_win.exe
TestDisk 6.10, Data Recovery Utility, July 2008
Christophe GRENIER <grenier@cgsecurity.org>
http://www.cgsecurity.org

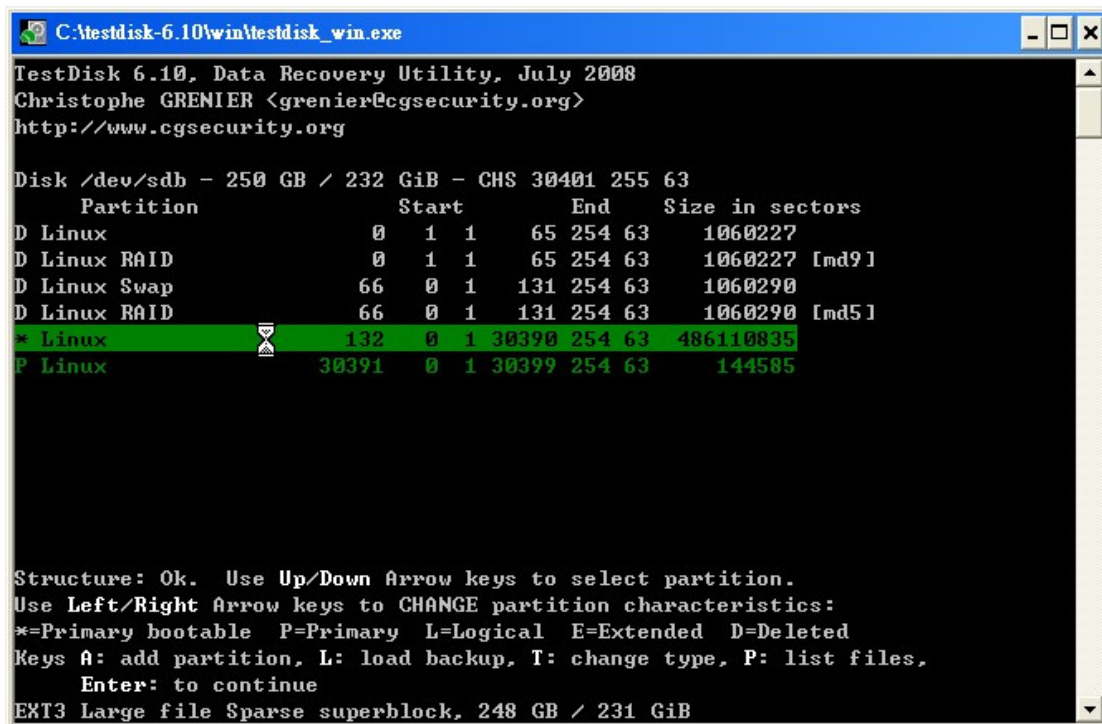
Disk /dev/sdb - 250 GB / 232 GiB - CHS 30401 255 63
Current partition structure:
  Partition          Start          End      Size in sectors
1 * Linux            0 1 1      65 254 63    1060227
2 P Linux Swap      66 0 1     131 254 63    1060290
3 P Linux           132 0 1   30390 254 63  486110835
4 P Linux           30391 0 1   30399 254 63    144585

*=Primary bootable P=Primary L=Logical E=Extended D=Deleted
[Quick Search] [ Backup ]
Try to locate partition
```

10. Type N on this page.



11. Select the disk with maximum sectors and press P



12. Use arrow key to select the file or folder you want to copy and press c to copy to your local disk. All the files are copied to the same folder of testdisk\_win.exe file.

NOTE: Large size files (more than 600MB) and filename with special characters/ Asian filename can not be copied to your PC through this

program.

```
C:\testdisk-6.10\win\testdisk_win.exe
TestDisk 6.10, Data Recovery Utility, July 2008
Christophe GRENIER <grenier@cgsecurity.org>
http://www.cgsecurity.org
* Linux                132    0  1 30390 254 63  486110835
Directory /

drwxrwxrwx    0    0    4096 22-Jul-2008 18:07 .
drwxrwxrwx    0    0    4096 22-Jul-2008 18:07 ..
drwx-----    0    0   16384 23-Jul-2008 00:45 lost+found
drwxrwxrwx    0    0    4096 23-Jul-2008 03:00 Qmultimedia
drwxrwxrwx    0    0    4096 23-Jul-2008 00:46 Qdownload
drwxrwxrwx    0    0    4096 23-Jul-2008 00:46 Qrecordings
drwxrwxrwx    0    0    4096 22-Jul-2008 17:53 Qweb
drwxrwxrwx    0    0    4096 23-Jul-2008 00:46 Qusb
drwxrwxrwx    0    0    4096 23-Jul-2008 11:54 Public
drwxrwxrwx    0    0    4096 22-Jul-2008 17:53 .comysql
-rw-----    0    0    6144 23-Jul-2008 00:46 aquota.user
drwxr-xr-x    0    0    4096 22-Jul-2008 18:07 optware

Use Right arrow to change directory, c to copy,
h to hide deleted files, q to quit
```

```
C:\testdisk-6.10\win\testdisk_win.exe
TestDisk 6.10, Data Recovery Utility, July 2008
Christophe GRENIER <grenier@cgsecurity.org>
http://www.cgsecurity.org
* Linux                132    0  1 30390 254 63  486110835
Directory /Public
Previous
-rwxrw-rw-    0    0   336907 17-Mar-2008 18:06 [獵U~Y擎窟 號I私hp號潮~0~AE-
-rwxrw-rw-    0    0   356972 21-Feb-2008 10:35 Turbo Station <Marvell橋嗒~0?
rwxrw-rw-    0    0   384875  5-May-2008 18:34 NVR-101_quick update_eng.pdf
rwxrw-rw-    0    0   482304 28-May-2008 17:21 US-201U(Uivotek)Recoding Size
rwxrw-rw-    0    0   587132 30-Aug-2007 13:55 TurboStation-Application-08-P
rwxrw-rw-    0    0   651633  3-Aug-2005 13:45 NAS training course_general_2
rwxrw-rw-    0    0   656325  5-Jan-2005 17:09 VioCard-300 How To & Known Is
rwxrw-rw-    0    0   658373  3-Aug-2005 13:47 NAS training course_general_2
rwxrw-rw-    0    0   909593 20-Mar-2008 18:28 trouble_shooting.rar
rwxrw-rw-    0    0   914450  3-Nov-2006 21:32 M_WS-411U_20060928_ENG.pdf
rwxrw-rw-    0    0   952832  7-Mar-2008 14:39 TurboStation_NewFeatures_v3.0
rwxrw-rw-    0    0  1216530 18-Dec-2007 14:46 M_NAS_4000&2000_ENG.pdf
rwxrw-rw-    0    0  1957408 21-Dec-2007 13:05 M_NAS-3000_20050329_U4-1-4_EN
rwxrw-rw-    0    0  2295296 20-May-2008 17:29 Network Application of VioSto
rwxrw-rw-    0    0  2341339 13-Sep-2007 11:59 M_VioStor-201_20070329_U1.0.0
rwxrw-rw-    0    0  2345472 20-May-2008 17:29 Network Application of VioSto
Next
se Left arrow to go back, Right arrow to change directory, c to copy, R.R. 號II
認層 to hide deleted files, q to quit
```

13. After complete copy, press q for quit, press Enter and then press several q to quit the program.

