

## Tutorial for How to SPAN your VG Models Collection Across Two HDD's For Vista and Windows 7

Hello, with the Number of Cards released by Totem Increasing Each week, the Amount of Storage Space has grown beyond a Single HDD for Most of us VG members.

Some of US have already Purchased that Larger HDD and Moved the Entire Collection from the Old HDD to the New Larger Drive.

But for Some of us we are just at the Stage of Running out of room.

In the Forum a few members have asked if it is possible to SPAN the Collection Across more than One HDD.

The Answer is two part.

Part ONE:

NO Totem does not have a provision to put part of the Models collection on One Drive, and part of the Models Collection on Another.

The Models Collection MUST be on One Single Drive in One Single Folder.

Part Two:

YES, there is a way to Trick VG into thinking the Models Collection is ALL on One HDD, but have it Split up or Span across multiple HDD's

For this Tutorial, I will Only Show you how to Span it Across two HDD's

Here is the Scenario:

My Collection is Stored on C:\ drive in the Default Location.

For Me that is:

C:\Documents and Settings\George\Application Data\vghd\Models\

My C:\ HDD is almost out of Space.

I have Purchased a New USB External HDD.

I want to keep all my Existing Models on C:\ Drive and have all the New Models go on the New HDD.

I connected the USB drive, and it was assigned Drive Letter P:\

So It is P:\ Drive

I'll Keep My Data Folder on my C:\ drive in the Default Location.

Only the New Models Folders will go on the New HDD.

( I May, move some of the models folders from C:\ drive to P:\ Drive to free up some space later )

Vista and W7 have a command to create Junctions, these are like shortcuts that point to a folder that is stored someplace else, but the OS thinks the Folders are really where the Junction is created.

So it is a way to FAKE the VG program into Seeing the Models on the C:\Drive, but really having them spread all over the place.

Let's get started:

Okay, First I have to Quit VG and then make sure the Downloader is stopped.

I'll open Task manager to check and stop the Downloader.

Here is what I plan to do:

**Don't Do any of this yet, the Script I show you later does it all.**

Rename my Current VGHD folder to VGHD\_OLD

Make a Junction Called VGHD on the C:\ drive that Points to my New P:\ drive

`mklink /j "C:\Documents and Settings\George\Application Data\VGHD " "P:\VGHD"`

On P:\ Drive I will create a junction called Data that points back to the VGHD\_OLD\DATA folder.

This way I'll still keep all the Data Folders on My C:\drive.

`mklink /j "P:\VGHD\DATA" "C:\Documents and Settings\George\Application Data\VGHD_OLD\DATA"`

Then For Every Models Folder that is still on my C:\ Drive, I will Create a junction on the P:\ Drive that Points back to them.

( with over 1000 cards in my Collection That's going to be a lot of work. )

One of these for every Folder...

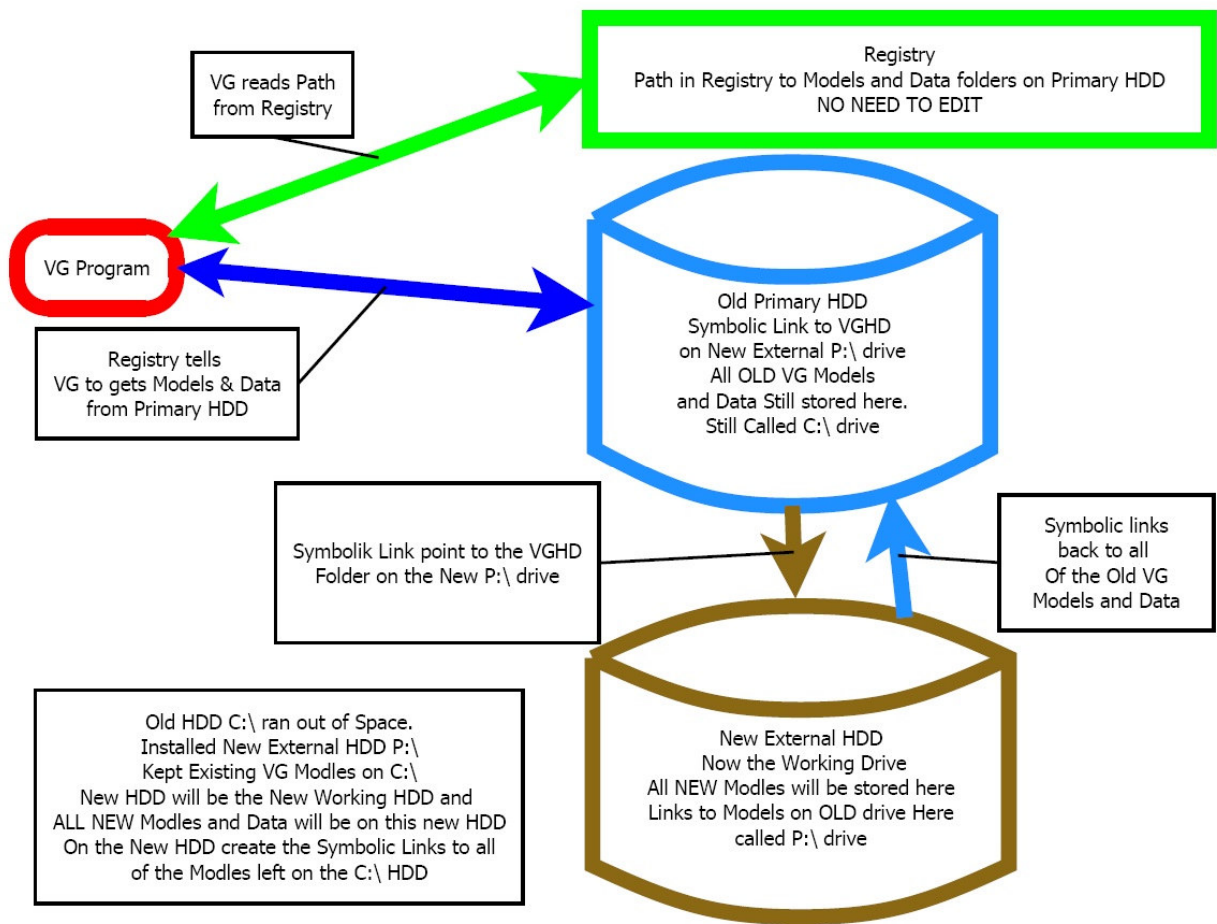
`mklink /j "%workdrive%\VGHD\Models\%a0001" " C:\Documents and Settings\George\Application Data \VGHD_OLD\Models\%a0001"`

So My P:\ VGHD\Models folder will be filled up with Junction Points to the real Models folders.

Most of my Models will still be back on my C:\ drive.

All of the new Models will be saved on the new P:\ drive.

The graphic Below Shows how this will all work...



Since Creating all of the Junctions will be so much Work, I wrote a Script that will help automate it all.

Just Copy and Paste the following Lines of the Script into a text editor, then **Save As:**  
**“MVGJ-scriptmaker.BAT” - using quotes around the filename allows you to force notepad to save it as a .bat file instead of a .txt file.**

When you run that Script it will walk you through the steps of spanning your Collection.

If you don't want to copy and paste it, you can Download a ZIP file from My Web Site.  
<http://www.deskbabes.net/MVGJ-scriptmaker.zip>

This is an updated version of My script. Instead of this making the Changes, It will Create a New Script that you Can Examine first, to verify that all the changes are correct.

So This Script Makes a new Script and that new Script is the one that Actually Makes all the changes.

The default name for the New Script will be **C:\MakeVG-Junctions.bat**

Just Browse to your C:\ folder, and Double click on that new Script when you are ready to make the actual changes.

Here is the Script - Start to Copy on the Line after the blank one.

[illegible]

```

:: Scan the registry for the vghd path ::
:::
set pdepth=3
set vghdpath=
: loop1
set testvghdpath=///
for /f "tokens=%pdepth%" delims=" %%a in ('REG QUERY HKEY_CURRENT_USER\SOFTWARE\Totem\vghd\System | FINDSTR "ModelsPath"') do set
testvghdpath=%%a
if %testvghdpath%==/// goto foundvghdpath1
:: set testvghdpath=%testvghdpath: "=%
set vghdpath=%vghdpath% %testvghdpath%
set /a pdepth=%pdepth%+1
goto loop1
: foundvghdpath1
set vghdpath=%vghdpath: ~1,100%
:: Strip off the \Models from the end ::
set vghdpath=%vghdpath: \Models=%

:: Fix the VGHD Path
set vghdpath=%vghdpath%/x
set vghdpath=%vghdpath: /=\%
set vghdpath=%vghdpath: \\=\%
set vghdpath=%vghdpath: \x=%

:: Fix the New HDD path
Set workdrive=%workdrive: \=%
Set workdrive=%workdrive%:
Set workdrive=%workdrive: :: =: %

:: Find the Main VG folder name (the folder before Models or Data
set temp1=%vghdpath%
:: Echo %temp1%
:: find the first \ from the foundit1
:: then set vgpath to the last characters after the last \
set cc=1
set temp2=%temp1%
:: echo %temp2%
: loop2
set temp3=%temp2: ~-1%
:: echo %temp3%
if "%temp3%"=="\" goto fin
set temp2=%temp2: ~0,-1%
:: Echo %temp2%
set /a cc=%cc% +1
:: echo %cc%
:: echo loop2
goto loop2
: fin
set /a cc=%cc% -1
:: echo %cc%
goto %cc%
:: set vgpath=%temp1: ~-%cc%

```

```
;; goto foundit1

; 1
set vgpath=%temp1:~-1%
goto foundit1
; 2
set vgpath=%temp1:~-2%
goto foundit1
; 3
set vgpath=%temp1:~-3%
goto foundit1
; 4
set vgpath=%temp1:~-4%
goto foundit1
; 5
set vgpath=%temp1:~-5%
goto foundit1
; 6
set vgpath=%temp1:~-6%
goto foundit1
; 7
set vgpath=%temp1:~-7%
goto foundit1
; 8
set vgpath=%temp1:~-8%
goto foundit1
; 9
set vgpath=%temp1:~-9%
goto foundit1
; 10
set vgpath=%temp1:~-10%
goto foundit1
; 11
set vgpath=%temp1:~-11%
goto foundit1
; 12
set vgpath=%temp1:~-12%
goto foundit1
; 13
set vgpath=%temp1:~-13%
goto foundit1
; 14
set vgpath=%temp1:~-14%
goto foundit1
; 15
set vgpath=%temp1:~-15%
goto foundit1
; 16
set vgpath=%temp1:~-16%
goto foundit1
; 17
set vgpath=%temp1:~-17%
```

```
goto foundit1
: 18
set vgpath=%temp1:~-18%
goto foundit1
: 19
set vgpath=%temp1:~-19%
goto foundit1
: 20
set vgpath=%temp1:~-20%
goto foundit1
: 21
set vgpath=%temp1:~-21%
goto foundit1
: 22
set vgpath=%temp1:~-22%
goto foundit1
: 23
set vgpath=%temp1:~-23%
goto foundit1
: 24
set vgpath=%temp1:~-24%
goto foundit1
: 25
set vgpath=%temp1:~-25%
goto foundit1
: 26
set vgpath=%temp1:~-26%
goto foundit1
: 27
set vgpath=%temp1:~-27%
goto foundit1
: 28
set vgpath=%temp1:~-28%
goto foundit1
: 29
set vgpath=%temp1:~-29%
goto foundit1
: foundit1
:: echo %vgpath%
Set oldvgpath=%vgpath%_old
:: pause

:: Check all is OKAY ::
color 2f
Cls
ECHO.
Echo Please verify that all of the following Info is correct.
Echo.
echo The Current Path to the main VGHD folder is:
Echo "%vghdpath%"
Echo.
echo The New HDD is:
```



```

Echo %workdrive%\
Echo.
Echo The current VGHD path will be renamed:
Echo From "%temp2%\vgpath%"
Echo To "%temp2%\oldvgpath%"
Echo.
Echo On the New %workdrive%\ Drive a new Path
Echo "%workDrive%\%vgpath%\Models"
Echo will be created.
Echo.
Echo If the Above Information is Not Correct Press CTRL-C to Quit.
Echo Otherwise
pause
color 5f
CLS
ECHO.
Echo Working - Making the Script to Create all the Junctions !
Echo Creating File: %newscrip%
Echo Please Wait !
Echo :: >%newscrip%
Echo :: This Script was created by the MVGJ-scriptmaker.bat Script >>%newscrip%
Echo :: Written By: WyldAniaml >>%newscrip%
Echo :: June 24 2011 >>%newscrip%
Echo :: www.deskbabes.net >>%newscrip%
Echo :: wyldanimal@deskbabes.net >>%newscrip%
Echo :: >>%newscrip%
Echo :: OKAY NOW we are ready to Make all the Junctions >>%newscrip%
Echo @echo off >>%newscrip%
Echo cls >>%newscrip%
Echo :: >>%newscrip%
Echo :: >>%newscrip%
Echo :: change to the right Drive Letter >>%newscrip%
Echo %vghdpath% ~0,2% >>%newscrip%
Echo :: Change to the Current VGHD path >>%newscrip%
Echo cd %vghdpath% >>%newscrip%
Echo :: Move Up One Level >>%newscrip%
Echo cd .. >>%newscrip%
Echo :: Rename the %vgpath% folder to %oldvgpath% >>%newscrip%
Echo rename %vgpath% %oldvgpath% >>%newscrip%
Echo :: Create the Folders on the New HDD >>%newscrip%
Echo Md %workdrive%\%vgpath% >>%newscrip%
Echo Md %workdrive%\%vgpath%\Models >>%newscrip%
Echo :: CREATE ALL THE JUNCTIONS ON THE WORKING DRIVE TO ALL OF THE MODEL FOLDERS STILL ON THE C:\ DRIVE >>%newscrip%
for /f %a in ('dir "%vghdpath%\Models\*" /b') do echo mklink /j "%workdrive%\%vgpath%\Models\%a" "%temp2%\oldvgpath%\Models\%a" >>%newscrip%
Echo :: >>%newscrip%
Echo :: >>%newscrip%
Echo :: CREATE THE JUSCTION AT THE OLD DRIVE TO THE WORKING DRIVE WHERE THE VGHD FOLDERS ARE >>%newscrip%
Echo mklink /j "%vghdpath%" "%workdrive%\%vgpath%" >>%newscrip%
Echo :: CREATE THE JUNCTION BACK TO THE DATA FOLDER STILL ON C:\ >>%newscrip%
Echo mklink /j "%workdrive%\%vgpath%\Data" "%oldvgpath%\Data" >>%newscrip%
Echo Echo Done! >>%newscrip%
Echo pause >>%newscrip%

```

```
@echo off
Echo Done !
Echo.
Echo Please run the Script %newscrip%
Echo when you are ready.
Echo.
Pause
goto end
:noworkdrive
ECHO.
Echo I need to know what The NEW HDD Letter is.
Echo Please specify the Drive letter of the New HDD as a single letter.
Echo.
Set /P workdrive="What is the New HDD Letter? "
goto gotworkdrive
goto end
: end
```

Finish Copy on the Blank line above.

Now that you have Copied and Pasted it to Notepad - You save the Script to your HDD  
Then you Browse to the place where you saved it and Double click to run it.

It will display a message and Prompt you for the Letter of your New HDD  
**P or P: or P:\** are all valid ways to give it the drive letter.

A single Letter only, or followed by a Colon followed by a Backslash

Then it will display a slight warning about Only working with Vista and W7 only.

The Script will then read the registry to find your Current VGHD Collection

It will Display the VGHD Path that it Found along with the Drive letter for your New HDD.

If everything looks correct then after you press a key, It will create the New Script to Rename your Folder, create the new folders on the new Drive, and then make all the junctions for you.

To make the Junctions, it scans the current Model's Folders and for Each Folder that is Left on the C:\ drive, it creates a Junction. It only creates a Junction for the folders that exist on your drive.

**Pressing Ctrl-C will terminate the Script if you see that something isn't correct.**

The First Script creates a 2nd Script called **C:\MakeVG-Junctions.bat**

You can examine that 2<sup>nd</sup> script to see what it is going to do..

After you run the 2nd Script, you can restart VG.

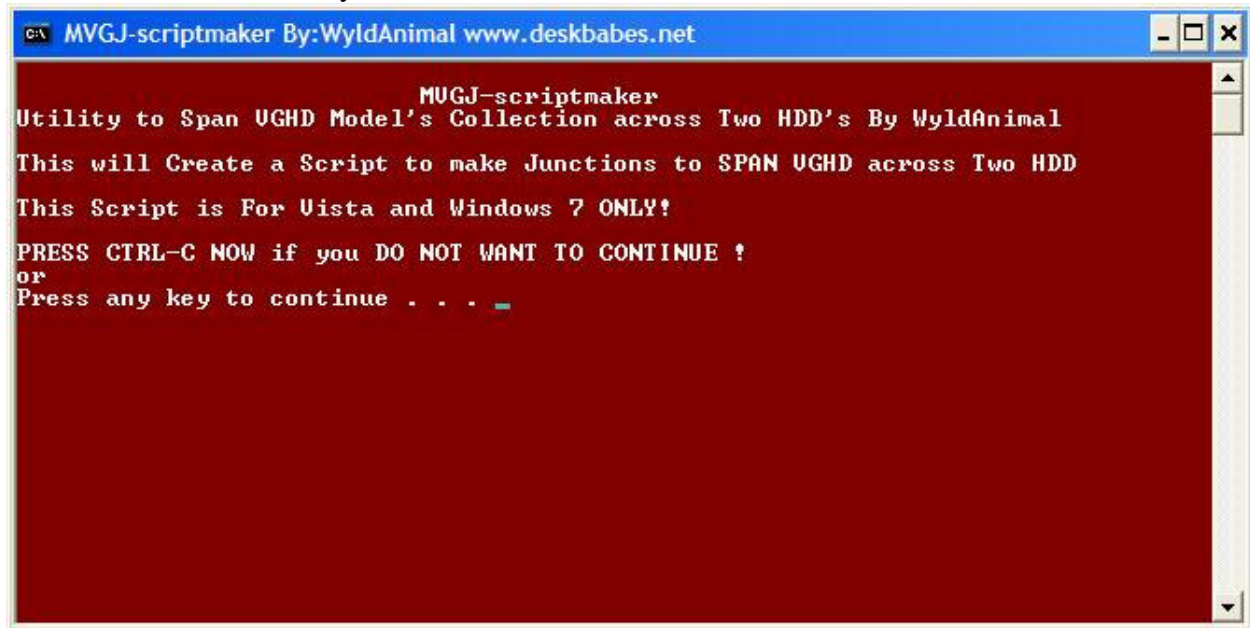
VG will think everything is still on C:\ drive in the sameplace it always was...

I have a sample of the 2<sup>nd</sup> script pasted below..

It's very long because of the number of Folders I left on C:\ drive.

Here are the Screen Captures of the Script in Action:

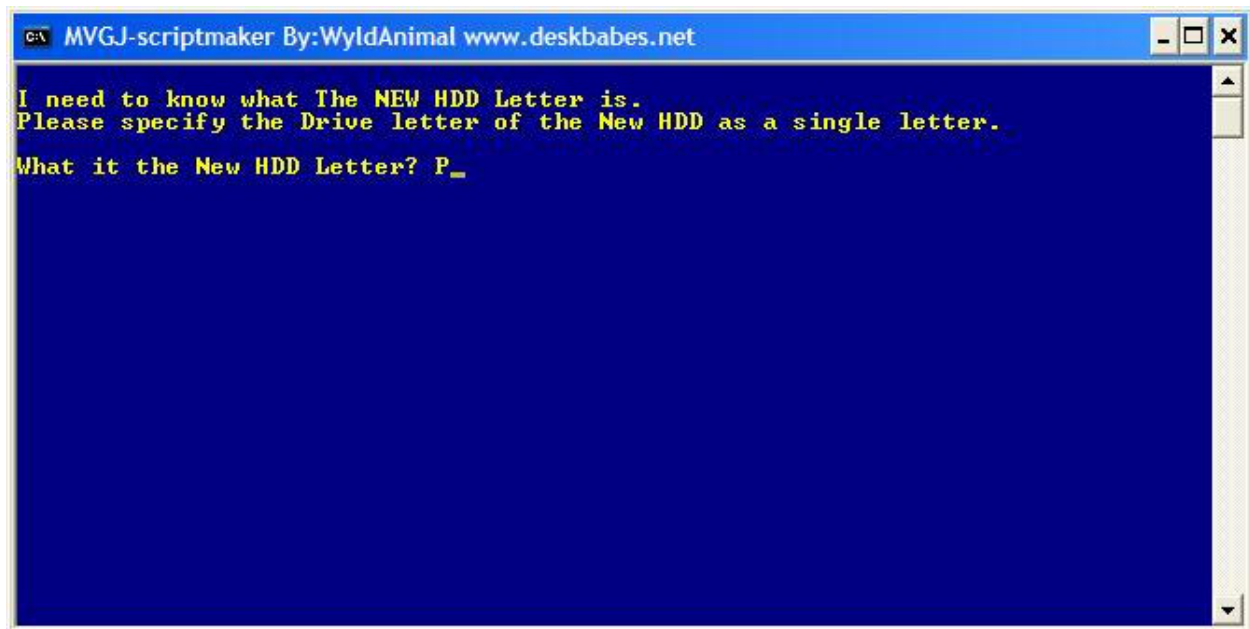
Vista and Windows 7 Only...

A screenshot of a Windows command prompt window titled "MVGJ-scriptmaker By:WyldAnimal www.deskbabes.net". The background is red, and the text is white. The text displayed is:

```

MUGJ-scriptmaker
Utility to Span UGHD Model's Collection across Two HDD's By WyldAnimal
This will Create a Script to make Junctions to SPAN UGHD across Two HDD
This Script is For Vista and Windows 7 ONLY!
PRESS CTRL-C NOW if you DO NOT WANT TO CONTINUE !
or
Press any key to continue . . . _
```

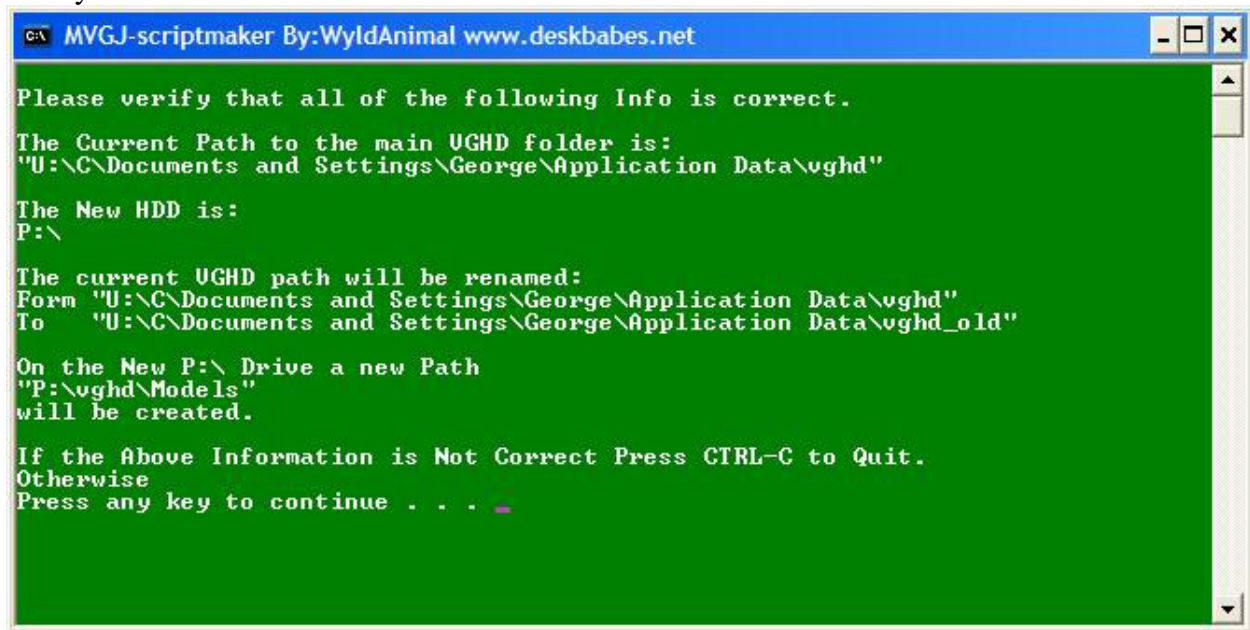
What is the drive letter of the New HDD?

A screenshot of the same Windows command prompt window, now with a blue background and yellow text. The text displayed is:

```

I need to know what The NEW HDD Letter is.
Please specify the Drive letter of the New HDD as a single letter.
What it the New HDD Letter? P_
```

Verify that all the Info is Correct:- Press CTRL-C if NOT...



```
C:\ MVGJ-scriptmaker By:WyldAnimal www.deskbabes.net

Please verify that all of the following Info is correct.

The Current Path to the main UGHD folder is:
"U:\C\Documents and Settings\George\Application Data\vghd"

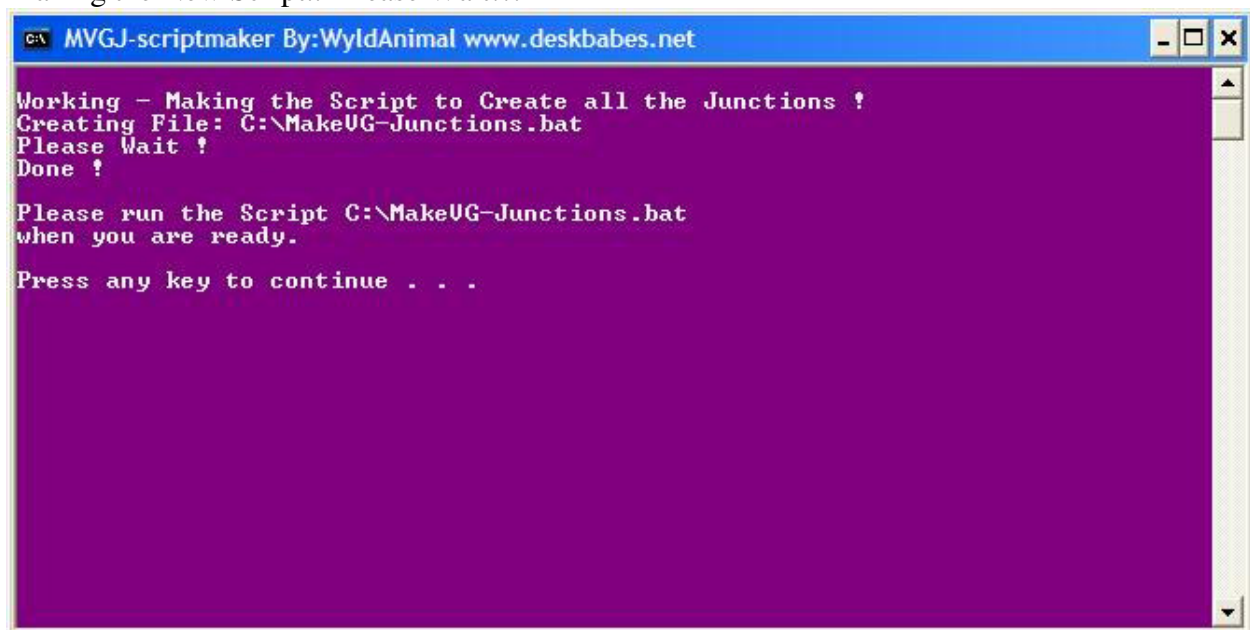
The New HDD is:
P:\

The current UGHD path will be renamed:
Form "U:\C\Documents and Settings\George\Application Data\vghd"
To  "U:\C\Documents and Settings\George\Application Data\vghd_old"

On the New P:\ Drive a new Path
"P:\vghd\Models"
will be created.

If the Above Information is Not Correct Press CTRL-C to Quit.
Otherwise
Press any key to continue . . . _
```

Making the New Script.. Please Wait...



```
C:\ MVGJ-scriptmaker By:WyldAnimal www.deskbabes.net

Working - Making the Script to Create all the Junctions !
Creating File: C:\MakeUG-Junctions.bat
Please Wait !
Done !

Please run the Script C:\MakeUG-Junctions.bat
when you are ready.

Press any key to continue . . . _
```

That's it 4 simple screens and you are done!

Here is a copy of the Script Created by the Above Script maker.  
This is the one that will make all of the actual Changes.

```
::  
:: This Script was created by the MVGJ-scriptmaker.bat Script  
:: Written By: WyldAniaml  
:: June 24 2011  
:: www.deskbabes.net  
:: wyldanimal@deskbabes.net  
::  
:: OKAY NOW we are ready to Make all the Junctions  
@echo off  
cls  
::  
::  
:: change to the right Drive Letter  
U:  
:: Change to the Current VGHD path  
cd U:\C\Documents and Settings\George\Application Data\vghd  
:: Move Up One Level  
cd ..  
:: Rename the VGHD folder to VGHD_OLD  
rename VGHD VGHD_OLD  
:: Create the Folders on the New HDD  
Md P:\VGHD  
Md P:\VGHD\Models  
:: CREATE ALL THE JUNCTIONS ON THE WORKING DRIVE TO ALL OF THE MODEL FOLDERS STILL ON THE  
C:\ DRIVE  
mklink /j "P:\VGHD\Models\A0001" "U:\C\Documents and Settings\George\Application Data\vghd_OLD\Models\A0001"  
mklink /j "P:\VGHD\Models\A0002" "U:\C\Documents and Settings\George\Application Data\vghd_OLD\Models\A0002"  
mklink /j "P:\VGHD\Models\A0003" "U:\C\Documents and Settings\George\Application Data\vghd_OLD\Models\A0003"  
mklink /j "P:\VGHD\Models\A0004" "U:\C\Documents and Settings\George\Application Data\vghd_OLD\Models\A0004"  
mklink /j "P:\VGHD\Models\A0005" "U:\C\Documents and Settings\George\Application Data\vghd_OLD\Models\A0005"
```

[illegible]



[illegible]



[illegible]

[illegible]

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[illegible]

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[illegible]

[illegible]

mklink /j "P:\VGHD\Models\d0072" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0072"  
mklink /j "P:\VGHD\Models\d0073" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0073"  
mklink /j "P:\VGHD\Models\d0074" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0074"  
mklink /j "P:\VGHD\Models\d0075" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0075"  
mklink /j "P:\VGHD\Models\d0076" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0076"  
mklink /j "P:\VGHD\Models\d0077" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0077"  
mklink /j "P:\VGHD\Models\d0078" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0078"  
mklink /j "P:\VGHD\Models\d0079" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0079"  
mklink /j "P:\VGHD\Models\d0080" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0080"  
mklink /j "P:\VGHD\Models\d0081" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0081"  
mklink /j "P:\VGHD\Models\d0082" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0082"  
mklink /j "P:\VGHD\Models\d0083" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0083"  
mklink /j "P:\VGHD\Models\d0084" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0084"  
mklink /j "P:\VGHD\Models\d0085" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0085"  
mklink /j "P:\VGHD\Models\d0086" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0086"  
mklink /j "P:\VGHD\Models\d0087" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0087"  
mklink /j "P:\VGHD\Models\d0088" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0088"  
mklink /j "P:\VGHD\Models\d0089" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0089"  
mklink /j "P:\VGHD\Models\d0090" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0090"  
mklink /j "P:\VGHD\Models\d0091" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Models\d0091"

::

::

:: CREATE THE JUNCTION AT THE OLD DRIVE TO THE WORKING DRIVE WHERE THE VGHD FOLDERS ARE

mklink /j "U:\C\Documents and Settings\George\Application Data\vghd" "P:\VGHD"

:: CREATE THE JUNCTION BACK TO THE DATA FOLDER STILL ON C:\

mklink /j "P:\VGHD\Data" "U:\C\Documents and Settings\George\Application Data\vghd\_OLD\Data"

Echo Done!

pause