

How to Properly Install New Triton GPS Firmware. This Manual Was Tested on the Triton 400/500/1500 and 2000.

Many people seem to have problems upgrading their firmware on the Magellan Triton Series using VISTA. **Let me also state that the new Magellan is going to be a great GPS when Magellan gets its act together.**

So this manual was designed to help Magellan Triton users.

The basic rules for working with VISTA on installations for Magellan is:

- A) Your UAC must be ON**
- B) You must be logged in as the Administrator**
- C) You must run the Vantage Point Installation invoking "Run as Administrator" status.**
- D) You must have a copy of WinZip installed on your computer. The people at Magellan are still in the dark ages and VISTA DOES NOT COME with a copy of Windows Zip installed on it. The Maggie upgrade needs to uninstall the downloaded zip file and IF YOU DO NOT HAVE A ZIP PROGRAM TO EXTRACT THE ELEMENTS OF THE MAGELLAN ZIP FILE THE UPGRADE CANNOT BE COMPLETED AND THE GPS WILL FREEZE UP. The program is free at www.winzip.com**
- E) Make sure that you have set your backlight to stay ON.**

You must make sure that you have your UAC "ON" because VISTA is writing to your computer registers and you must work VISTA with this in mind.

First thing you must do is to CONCENTRATE on getting Vantage Point installed correctly.

So first we you must make sure the VP is working and then work on the Firmware upgrade.

For this work we do not need the Triton or GPS connected.

Step 0) MAKE SURE THAT YOU ARE LOGGED INTO VISTA AS THE "ADMINISTRATOR" AND NOT A USER. THIS IS KEY TO THE INSTALLATION.

Step 1) Make sure the UAC is ON. If you want to know how to check the UAC .. please go to your HELP and Support menu and type in "UAC". MAKE SURE IT IS ON!!!!

Step 2) Go to your help menu and ask it "Uninstall Program". Go to the uninstall and UNINSTALL THE Vantage Point. **This will uninstall all the programs for Vantage Point .. this includes gpsbabel, etc. and also the uninstall will remove the device drivers from the computer.**

Step 3) After you uninstall Vantage Point .. **then do a HARD REBOOT of your computer to clear your registers. This means SHUT THE COMPUTER DOWN .. DO NOT JUST RESTART IT.**

Step 4) Go to the folder where you copied your latest copy of Vantage Point from the magellangps.com site. As of **07/10/2008** this is a program named

MVP_141.zip and extract the .exe file. **Notice I did not say run it from within the zip file .. I said extract it to a folder of your choice.**

Step 5) NOW THIS IS IMPORTANT. Go to the MVP_141.exe program you extracted and right click on it and invoke "**RUN AS THE ADMINISTRATOR**".. because you MUST INSTALL THE PROGRAM AS THE ADMINISTRATOR. This is important .. because you must run the program as the Administrator for VISTA to fully load the computer registers.

Step 6) As the program installs you will see the entire programs load .. pay especial concern to make sure that you see gpsbabel as one of the installed programs.

Step 7) After the installation is finished .. **WAIT .. I SAY AGAIN WAIT** FOR THE PROGRAM TO ASK YOU TO INSTALL THE DEVICE DRIVERS. BE PATIENT AND PLEASE WAIT FOR THIS QUESTION .. Choose the second option to install the device drivers even though the manufacturer is unknown to Microsoft.

Step 8) NOW DO ANOTHER HARD REBOOT YOUR COMPUTER SO THAT THE COMPUTER RELOADS THE REGISTERS.

... At this point, stop .. so you can test out that Vantage Point has installed correctly.

Now even if you think you did this before Do the procedure again because I will bet that you did not run the installation as the ADMINISTRATOR.

Remember this is VISTA and it DEMANDS THAT YOU LOGIN AS THE ADMINISTRATOR AND INSTALL PROGRAMS AS THE ADMINISTRATOR BY CHOOSING THE "RUN AS ADMINISTRATOR" COMMAND.

By the way, if you right click on a program to install and you get a series of tabs .. always pick the compatibility one and click on RUN AS THE ADMINISTRATOR.

For now .. lets do the "make sure that VP is installed correctly".

The next series of steps is very easy but be patient as I want to make sure that you get yourself running.

If you accidentally connect the GPS and start VP and it asks you if you want to install the new firmware .. **PLEASE DO NOT DO THIS AT THIS STAGE BECAUSE I NEED TO GIVE YOU SOME MORE VISTA TRICKS. SO PLEASE DO NOT BE TEMPTED.**

It is now time to check your installation before we proceed.

Basics:
UAC ON
Logged in as Administrator

Phase 2 .. The installation of the new firmware. Checking the VP installation first...

Step 0) IF YOU HAVE NATIONAL GEOGRAPHIC TOPO SOFTWARE INSTALLED ON YOUR MACHINE .. **PLEASE MAKE SURE THAT IT IS "OFF"** .. VANTAGE POINT CANNOT WORK WHEN NG IS ALSO STARTED.

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Step 1) Start Vantage Point and check the **Version Number for V 1.41**. If the version number is not the same as the MVP file you installed .. then your installation was a FALSE installation and you have to uninstall and reinstall again. To check your current VP version go to the top right and click on the blue circle with the ? mark and then "About Vantage Point" and that will reveal your current version number and various copyrights.

Step 2) Connect the GPS to the USB on your computer.

Step 3) Turn on the GPS.

Step 4) When the Connectivity requests a connection .. pick the one offered on the TOP of the selections. This should say something like "Connect to a PC" or Connect to the USB... It is usually the choice on top of the menu.

Step 5) The GPS should now report that it is connected to Vantage Point.

Stop .. at this point we want to check the installation of the VP.

NOTE: The only way the PORTS are activated is if the GPS T500 is attached to the USB and turned on. But this will not work because we have yet to install the new firmware.

Step 6) Invoke the Control Panel .. go to Device Drivers and make sure that the Ports (LPT .. COM) are showing and the Magellan Driver (as of 07/10/2008) should be Version **1.5.302.0** .. The COM port used will vary according to your computer accessories. If you have a Blackberry you will see RIM COM's .. normally the COM used is 4 or 6.

Step 7) See if you have a folder at
C:/Users/AppData/Local/Temp/MVP_Downloads/ **(This is for VISTA .. for XP the folder will be at: c:\Documents and Settings\Administrator\Local Settings\Temp\MVP_Downloads and the unzipped file in c:\Documents and Settings\Administrator\Local Settings\Temp\MVP_Downloads\0141_01.44.00.0163_Triton500)** If the folders are there you may delete them because when you reinstall the firmware, they will be recreated.

If the installation was correct this folder should be not present or may be empty.

NOTE: You can only find Step 6 and 7 if your GPS is hooked up to the computer and both Vantage Point and the GPS are turned on. Both of these are temporary files that may not be present in your computer normally .. so if you try to find them without VP AND the GPS turned on they may not show up. What Magellan has done is the MVP download folder to be hidden if the GPS and Vantage Point are not invoked.

Now if you see in the C:/Users/AppData/Local/Temp/MVP_Downloads/ folder and see another folder named **0141_01.44.00.0163_Triton500** OR a zip file named named **0141_01.44.00.0163_Triton500.zip**.

[Note: Each firmware will tell you the version number by looking at the second set of numbers. The 0141 is the Vantage Point Version and the 01.44.00 is the firmware number for the Triton you are installing.]

If you see a zip file named **0141_01_34_00_0131_Triton500.zip** it is your previous version of the firmware for the Triton 500 and you can keep it. **It is version 1.34.**

Now let's install the new firmware.

Ok .. your Vantage Point is now ON. Your GPS is now ON. ... and the GPS says "connected to Vantage Point".

Step 1) Click on MyGPS and if the version number does not appear .. just click on the browse box on top until the Version numbers appear. Again the VP will read the Version Number and the GPS Firmware version number. Even if it says 1.44 it does not mean that the firmware installed correctly.

Step 2) Click on the Connect tab and the Blue Circle with the Clockwise arrow. It will reveal three choices. Pick the third "Update All". If the GPS is not connected it will state that.

Step 3) If the GPS is connected it will state that you have the most recent version of VP.

Step 4) The next step may say that you have the most recent version of firmware .. but you are going to assume that it is a bad previous installation. So when it asks you if you want to download the most recent version again .. **SAY YES.**

The computer will download a brand new version of firmware and place it in the C:/Users/AppData/Local/Temp/MVP_Downloads/ folder.

Step 5) Next it will ask you if you want to install the firmware and you will **SAY YES.** This is where Magellan and VISTA programmers have a problem. The program will start to install but Maggies programmers do not bring the install menu to the TOP of the desktop screen. It is behind the VP screen and YES that is DUMB.

So you will see a tab open on the bottom of your VISTA screen and just restore the contents of this tab to the FRONT of the screen.

Now you can click on the proceed with the installation and watch the firmware install program do its job. **NOW PLEASE BE PATIENT AS THE MAGGIE'S FIRMWARE INSTALL PROGRAM IS SLOW .. SO WAIT UNTIL IT TELLS YOU THAT IT IS FINISHED.** At this point, some GPS's will reboot themselves or turn off .. this is OK.

MISSION COMPLETED OR DID IT REALLY INSTALL???

Turn on the GPS if it did not reboot and go back to Vantage Point and click on My GPS and find out. The versions should be correct.

If your installation freezes up then the problem is that you do not have an installed copy of winzip.

So let's make sure that the MVP_download folder has the correct security.

[This applies to VISTA] Go to the folder and right click and go to Properties. Click on the security tab and click on your group **SYSTEM** and make sure that you are allowing ALL PERMISSIONS. Then Go to **USER NAME** and make sure of all Permissions and then Administrator and all Permissions. **Special Permissions will be the only one unchecked and this is correct .. it should be unchecked.**

You should see two files .. **one is the zip file** and the other is the extraction from the zip folder named 0141_01.44.00.0163_Triton500

Now if the GPS fails you can always reinstall the firmware **MANUALLY** by going to the folder named 0141_01.44.00.0163_Triton500 and in this folder is a file named **mgnFWUPD.exe** .. **Run this file as the ADMINISTRATOR and it will do a complete install again.**

If your GPS should have the problem that the computer disconnects (breaks the connection) from the GPS during an install then you have a severe problem and should return the Triton to Magellan for repair.

To repeat for VISTA, check the security of the MVP_D>>>>>> folder and make sure that it has all the permissions (**except special**).

Then download a new upgrade using VP and then do the install again.

..... and if the GPS fails again .. go the folder and run the **mgmFWUPD.exe** manually as the Administrator.

Now to address National Geographic TOPO software.

YOU WILL ALSO FIND DETAILED INSTRUCTIONS ON INSTALLATION OF NATIONAL GEOGRAPHIC SOFTWARE AT WWW.JUNGLEGHOST.COM

Please go to: <http://www.natgeomaps.com/triton.html> and make sure that you have downloaded and installed the TOPO version 4.4.3.

If you do not have this version installed you will not be able to EXPORT maps to the Triton .. **AND PLEASE DO NOT FORGET THE VISTA RULES:**

- 1) UAC ON**
- 2) LOGGED IN AS ADMINISTRATOR**
- 3) BEFORE YOU RUN THE 4.4.3 .. RIGHT CLICK ON THE DOWNLOADED PROGRAM AND "RUN THE PROGRAM AS THE ADMINISTRATOR".**
- 4) LAST RULE .. YOU CANNOT RUN VANTAGE POINT AND NATIONAL GEOGRAPHIC TOPO SOFTWARE AT THE SAME TIME. PLEASE EXIT THE VP WHEN YOU ARE USING NG.**