

## **Step 1**

This document outlines how to upgrade your Hyper Stimulator USB controller to support Vista 32 or 64 bit Operating Systems.

The firmware upgrade process must be performed on a computer that is running a 32 bit Windows Operating Systems such as Windows 2000, XP or Vista. 64 bit Windows Operating Systems are not supported by the Flash over USB Utility (FOUSB), therefore in order to upgrade your firmware you must perform **Steps 2 to 6** on a computer running a Windows 32 bit operating system.

**Steps 7 to 9** must be performed on the computer you intend to play race car games. This can be either Windows Vista 32 or 64 bit operating system.

## **Step 2**

Download the Flash over USB Software (FOUSB) and Vista Compatible Firmware to a computer running a Windows 32 bit operating system.

Right click on the following links and select "Save Target As..." and save to a folder on your computer e.g. c:\temp

<http://www.lesmarton.com/hyper/downloads/fousb.exe>

<http://www.lesmarton.com/hyper/downloads/hyperusb1007.mot>

## **Step 3**

The objective of this step is to install the FOUSB Software on your computer – if you have FOUSB installed, then skip this step.

FOUSB is a utility used to copy the Vista Firmware File from the computer to the Hyper Stimulator Module using a USB connection.

**Unplug** your Hyper Stimulator USB controller from your computer prior to installing FOUSB.

Use Windows Explorer to navigate to the folder where you downloaded the FOUSB software and Firmware e.g. c:\temp

Double click on FOUSB.EXE

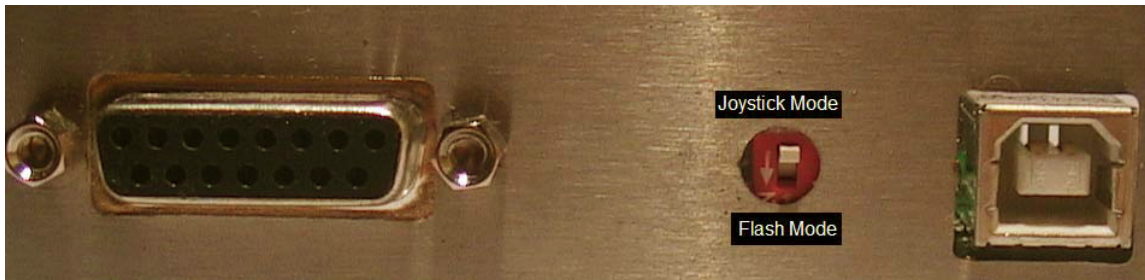
Follow the installation steps and prompts. Just keep pressing **Next** button and answering **Yes** to any questions and pressing **OK** to complete installation steps.

If installation is successful, then there will be a FoUSB icon your desktop.

## **Step 4**

The objective of this step is to place the Hyper Stimulator Race Car USB module in Flash Mode, and plug it into the computer using a USB cable.

Locate the USB Module and slide the switch towards the arrow head so it is now in Flash Mode.



Plug in a USB cable to the module and attach it to a free USB port on your computer.

The computer will indicate it has found a new USB device and will install the necessary drivers. If successful the computer will report it that it has found a "Renesas Flash-over-USB for M30245F" device.

## Step 5

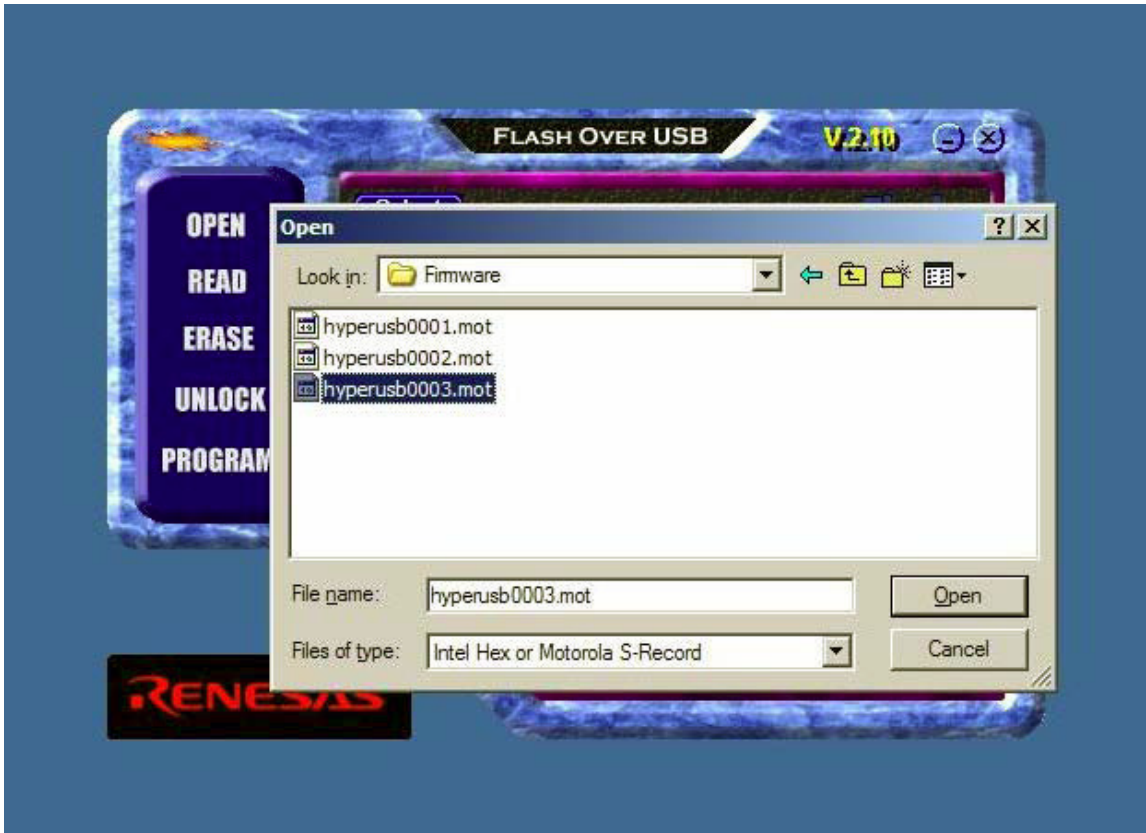
The objective of this step is to use the FoUSB utility to flash upgrade the attached Hyper Stimulator Race Car with a Vista compatible firmware file.

Double click on the FoUSB icon on your desktop.

Once FoUSB has started, it should display the following screen.



Click the **Open** menu button. This will display a dialog box asking you to select the Firmware File. Navigate folder where you downloaded the firmware file (e.g. c:\temp), and select the hyperusb1007.mot file downloaded as part of Step 2.



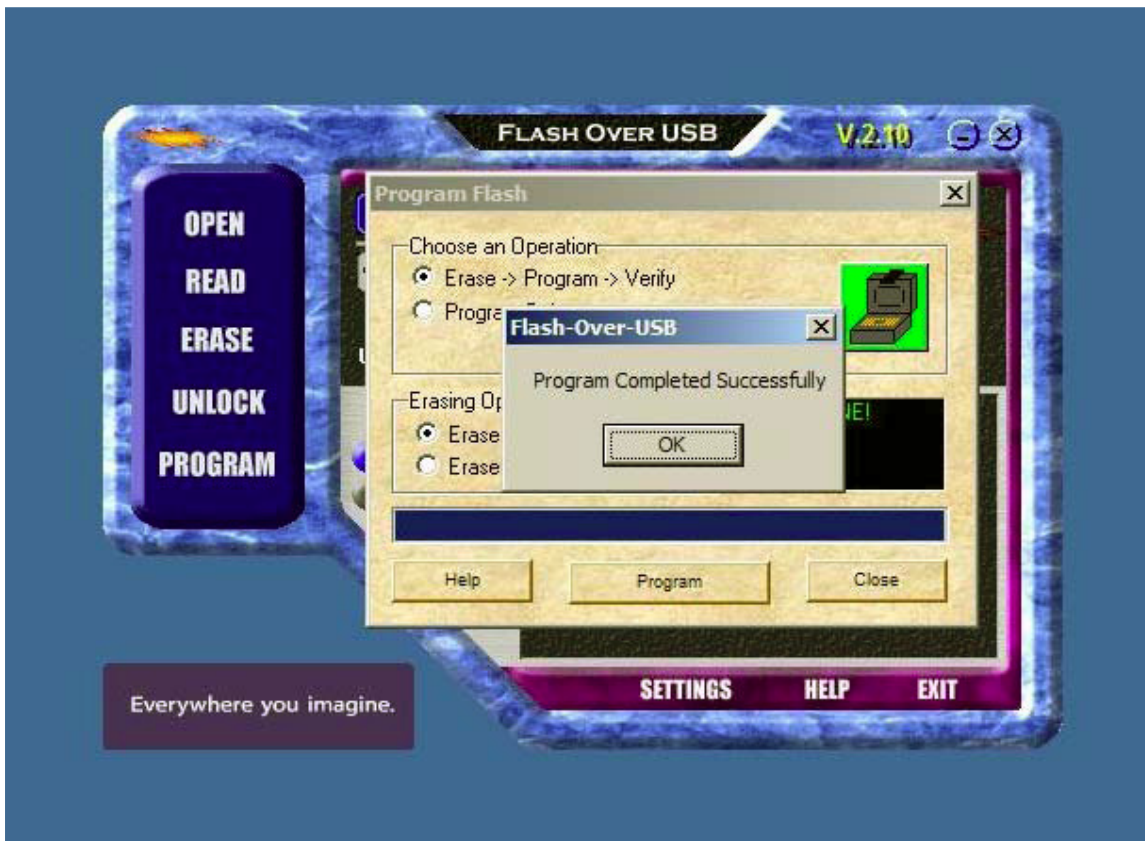
Click the **Program** menu button. This will display the following dialog box.



Ensure the settings on the Program Flash screen are selected as above.

Press the **Program** button to start the Flash upgrade process.

If Flash upgrade process is successful, then the following screen will be shown.



Press OK to continue.

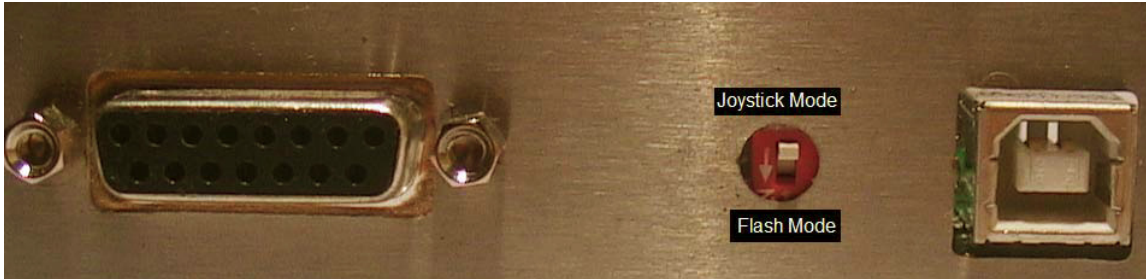
The Hyper Stimulator Race Car has now been updated to a Vista compatible firmware file.

Press Exit menu button to terminate the FoUSB Utility.

## **Step 6**

Unplug the Hyper Stimulator Race Car from the USB port of the computer and the module.

Slide the dip switch to the Joystick Mode position. The switch should be at the opposite side to the white arrow head.



This completes the Flash upgrade process.

Do not connect the Hyper Stimulator to your computer until **Step 8**.

## **Step 7**

The objective of this step is to download and install the Hyper Stimulator USB Profiler software onto the computer you intend to use for gaming. This can be a computer running Windows Vista 32 or 64 bit.

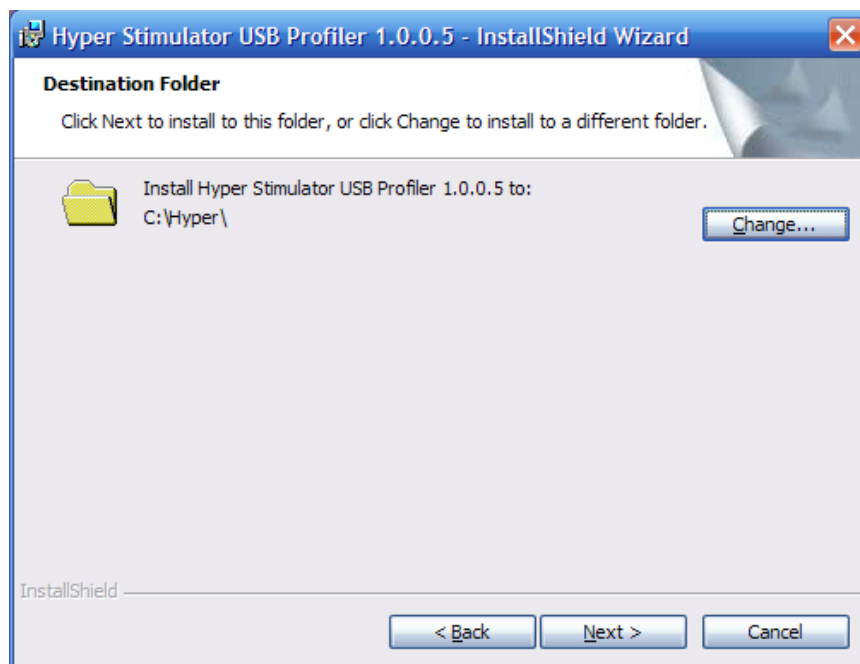
Right click on the following links and select "Save Target As..." and save to a folder on your computer e.g. c:\temp

<http://www.lesmarton.com/hyper/downloads/hyperusb1005winxp.exe>

Use Windows Explorer to navigate to the folder where you downloaded the Hyper Stimulator USB Profiler e.g. c:\temp

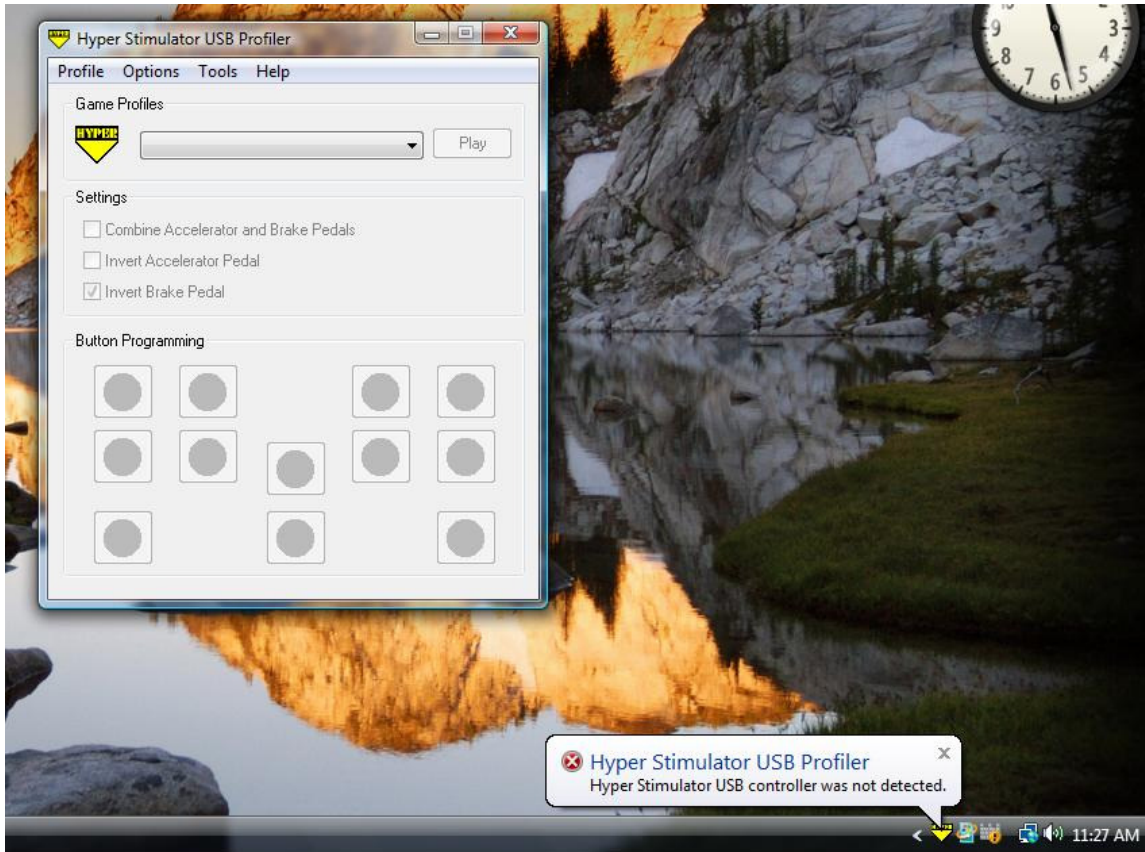
Double click on HYPERUSB1005WINXP.EXE

Follow the installation wizard and when prompted to select the Destination Folder select the **Change** button. Do not to install this version of the Profiler to the default c:\Program Files folder. It is recommended to install to the c:\Hyper folder.



If installation is successful, then there will be a Hyper Stimulator USB Profiler shortcut on your desktop.

Double click on the Hyper Stimulator USB Profiler shortcut on your desktop. The following screen will be displayed.



At this point, you should not have the Hyper Stimulator USB controller plugged into your computer, so the error reported is normal.

## **Step 8**

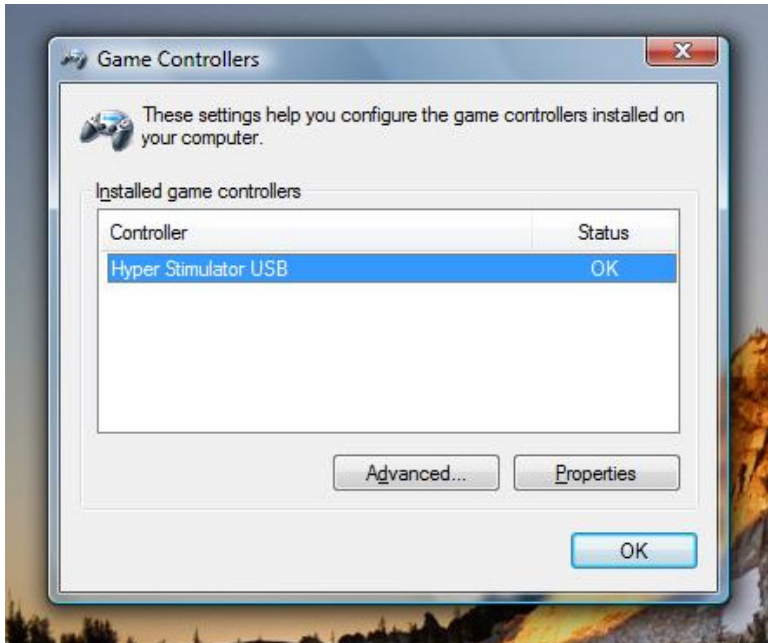
Plug a USB cable to both the USB port of the computer and the module.

Vista should not detect a "Hyper Stimulator USB" device. Please wait until Vista has reported that the device is connected and working properly.

Proceed to Windows Control Panel and click the Game Controllers icon.

A "Hyper Stimulator USB" controller should show on the Game Controllers list, with a status of "OK".





Open the Hyper Stimulator USB Profiler by double clicking the icon on your desktop. Select the Help / About menu and verify that the Firmware Version is 1007.



## **Step 9**

The objective of the step is to Calibrate and Test your Hyper Stimulator.

If you are using Vista 32 or 64 bit, do **not** calibrate your Hyper Stimulator using Control Panel / Game Controllers applet. You **must** use the Hyper Stimulator USB Profiler to calibrate.

From the Hyper Stimulator USB Profiler, select the Tools / Calibrate menu to perform a calibration.



Once Calibration is complete, select the Test menu and verify you Hyper Stimulator race car is working.