

B737 NG COCKPIT & X-PLANE 10



COMPUTER:	I7 4.5 Ghz + GeForce 680
SIMULATOR:	X-Plane 10.22
AIRCRAFT:	x737 EADT
AVIONICS :	OpenCockpits
LOWER DISPLAYS:	XHSI2

By Andres Otero Eiras, 12.Sep. 2013

Support: <mailto:AndresOteroEiras@Hotmail.com?subject=SIOC 737 Support> (ENG/SPA/DEU)

This document was written for help the people with less computers skills to build a 737 home cockpit.

The cockpit of the photo was made with standard size plastic covered woods and just 1 PC.

If you have some abilities you may do it yourself with less money.

How to set up the x737 EADT:

You may download the last version from the web site

<http://www.eadt.eu/index.php?aircraft-for-x-plane-9>

Extract the Boeing737-800_x737 under "C:\X-Plane 10\Aircraft\"

Once the X Plane is started you may select it from the Aircrafts menu item.

How to set up the Master Contro Panel (MCP V3), EFIS 737 and NAV1:

You may to purchase the panels of OpenCockpits from site

<http://www.opencockpits.com/catalog/>

It is not a problem if you don't buy all panels, the SIOC program will run with the panels found at start up any way. In order of importance it is recommended to have at least the MCP & the EFIS.

To control them you need 2 small programs: The UIPCX and the SIOC.

UIPCX: Is a plug-in you may download from the Fransico Sedano web site

<http://www.fransedano.net> --> Downloads --> UIPCX 1.0 FAT for Windows

Then extract and copy the "win.xpl" from the *UIPCX10.zip* into:

C:\X-Plane 10\Resources\plugins\UIPCX\64 (you have to create the folders "UIPCX" and "64").

Finally copy the "uipcxdatos.txt" given into

"C:\X-Plane 10\Resources\plugins\"

SIOC: Is a program that controls the MCP. You may download the last version from the site:
<http://www.opencockpits.com/index.php/es/descargas/category/sioc>

Install the program and then copy the files "*MCP_EFIS_NAV x737 XPlane10.SSI*" and "*sioc.ini*" given into
"*C:\Program Files (x86)\IOCards\SIOC*"

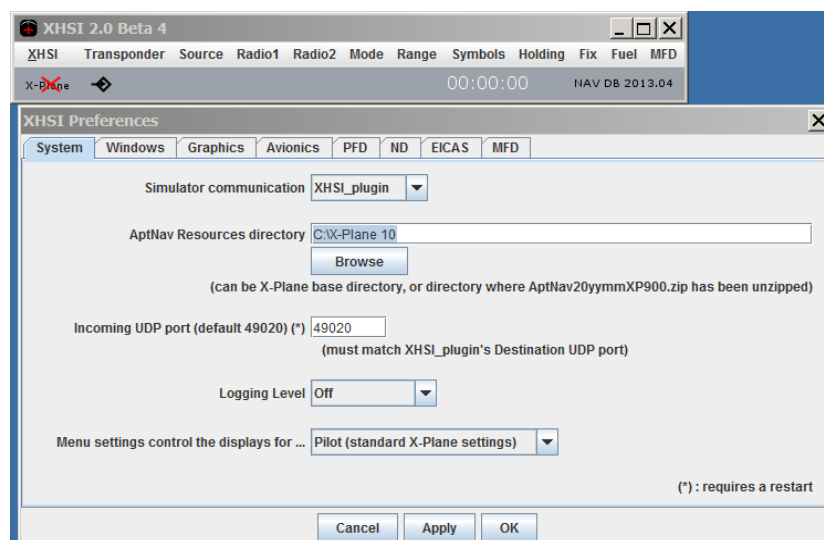
To run all you have to start the X-Plane 10 and then the „*sioc.exe*".
After few seconds will be ready to use (IAS/MACH speed will be refreshed)-

How to set up the lower displays:

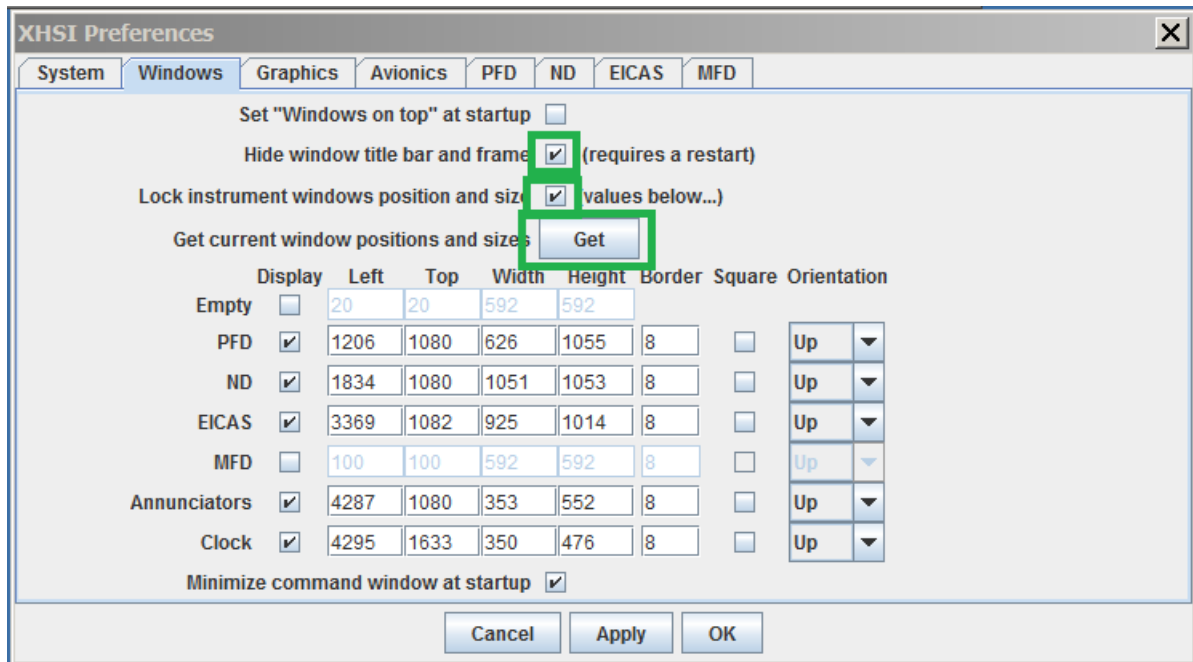
To implement that you have to plug the left monitor into the 4th video output of your *NVidia GeForce GTX 680*) . The right monitor connects to one motherboard's video output (you have to enable both internal and external video cards from the bios).

Then you need to download a small program called XHSI2 from the site
<http://sourceforge.net/projects/xhsi/?source=dlp> (should be for 64 bits and VISTA/ Windows 7)
Extract and copy the "*XHSI2_plugin*" folder into "*C:\X-Plane 10\Resources\plugins*"

Extract and copy the "*XHSI2_app*" folder into "*C:\X-Plane 10*"
Start the "*C:\X-Plane 10\XHSI2_app\Windows\XHSI2.exe*"
Configure the preferences like that



Then move the indicators through the monitors and finally press "GET".
Once you are satisfied with the positions check both "Lock instruments" and Hide Window title".



How to configure the GeForce GTX 680

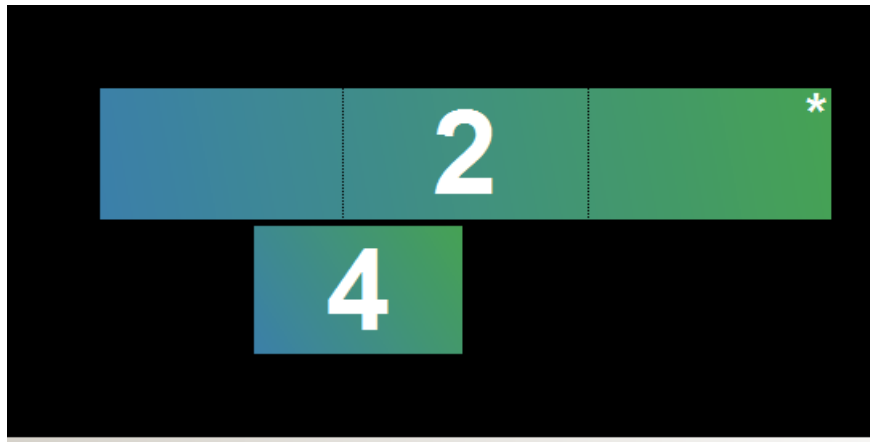
This step is very important otherwise the simulator will not run smoothly.

1) Got to the NVidia application:



2) Enter into the "Screen" and then "Config multiple screens"

The 4 monitors should be configured like that (three top screens as just 1 and then the bottom alone).



Note that here the 3 above monitors are set together. It will run if you leave them separated, as well.

3) Enter into the "Screen" and then "Change Resolution"

Make one click on the small monitor for the bottom instruments and adjust the "Resolution" and the "Color Depth" to the minimum possible (aspect ratio must be maintained).

4) Go to the "Configuration 3D" and then "Control configuration 3D".

Set the properties of the "X-Plane" program in the combo box like that:

Acceleration of Multiple screens & GPU: Speed for multiple Screens

Texture Filtering - Quality:	Performance
Texture Filtering - Difference of negative LOD:	Allow
Texture Filtering - Anisotropic measurement optimization:	Activated
Texture Filtering - Trilinear optimization:	Deactivated
Anisotropic Filtering :	8X
Energy control Mode:	Prefer Performance

Lines Smoothing - Configuration:	4X
Lines Smoothing - Gamma Correction:	Activated
Lines Smoothing - Mode:	Improve application's configuration.
Lines Smoothing - Transparency:	Deactivated
Lines Smoothing - FXAA:	Activated

Set the properties of the "XSI2" program (you have to search the program with the "ADD" button) in the combo box like that:

Acceleration of Multiple screens & GPU: Speed for multiple Screens

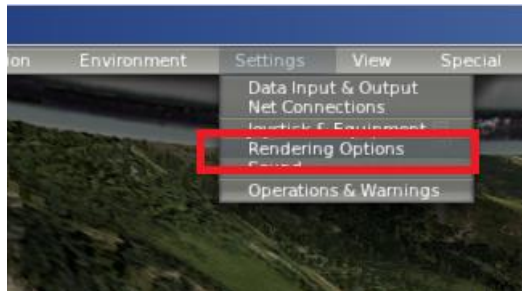
Texture Filtering - Quality:	Performance
Texture Filtering - Difference of negative LOD:	Allow
Texture Filtering - Anisotropic measurement optimization:	Deactivated
Texture Filtering - Trilinear optimization:	Deactivated
Anisotropic Filtering :	Deactivated

Energy control Mode:	Prefer Performance
Lines Smoothing - Configuration:	None
Lines Smoothing - Gamma Correction:	Deactivated
Lines Smoothing - Mode:	Deactivated
Lines Smoothing - Transparency:	Deactivated
Lines Smoothing - FXAA:	Deactivated

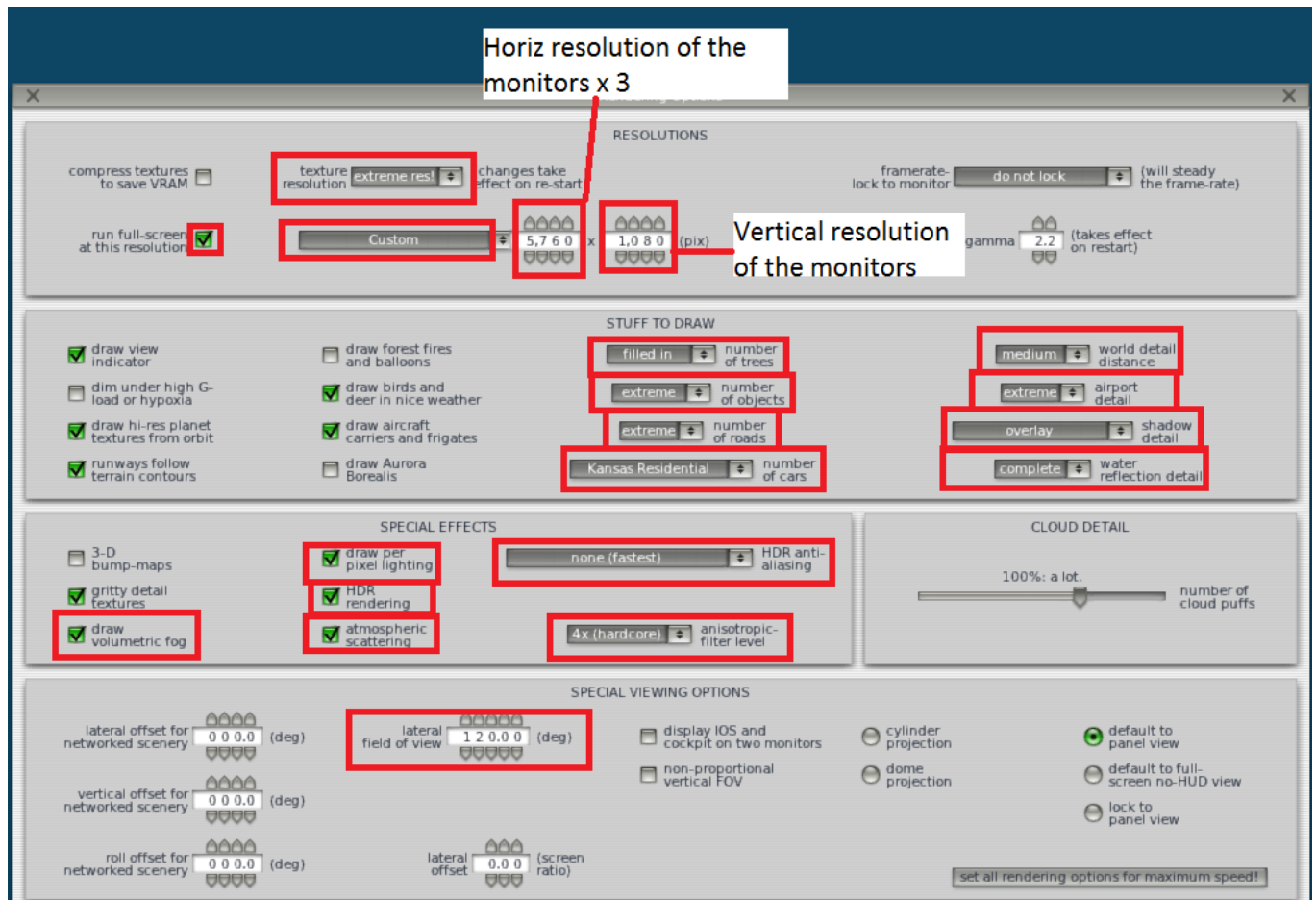
IMPORTANT: Your PC **must have an 850W PSU** (power supply), otherwise it will shut down as soon as the graphic card makes a complex process. The 500W asked for the factory is NOT enough!

How to configure the X-Plane 10

Go to the menu and enter into "Settings" and make a click into "Rendering Options"



Set the marked properties as shown. You have to adapt the numbers of the resolution to your monitor's resolution.



I hope that this quick reference may help to many people to go ahead in the construction of its own cockpit and to enjoy this hobby-science.

Best Luck.

Andres Otero