Quick Start Guide VRInsight's V1000Pit/Pro for MS-FSX/Mindstar Avionics G1000 Panel



1. Latest Software

Latest software can be downloaded at following link page, <u>http://vrinsight.com/devel_shot/</u>

Latest version of

USB-to-Serial Port Driver, <u>http://www.ftdichip.com/Drivers/VCP.htm</u> "VRiSim", <u>http://vrinsight.com/devel_shot/VRiSim/Install_VRiSim.exe</u> "V1000Pit", <u>http://vrinsight.com/devel_shot/VRiSim/Install_V1000Pit.exe</u>

2. Installation Procedure

2.1 Driver Software Installation

Installer of driver software can be found in the provided DVD.

"\VRiSim\Drivers\ CDM20814_Setup.exe"



Installation is simply done by double-clicking this icon.

2.2 "VRiSim" installation

"VRiSim" is application software managing VRInsight's flight simulation hardware panels.

(1) Download Latest version of "VRiSim"

"VRiSim", http://vrinsight.com/devel_shot/VRiSim/Install_VRiSim.exe

(2) Run downloaded executable installer.

2.3 "V1000Pit/Pro" Module installation

(1) Download latest version of "V1000Pit/Pro" panel specific module

"V1000Pit", http://vrinsight.com/devel_shot/VRiSim/Install_V1000Pit.exe

(2) Run downloaded installer.

2.4 Video connection and Screen Set-up

Connect V1000Pit/Pro video cable to PC's additional video port. It will be recognized as 2'nd screen automatically. Screen resolution should be **1920x1080 (V1000Pro)** or **1680x1050(V1000Pit)**. If 2nd screen is not displayed or the resolution is different, press "**Detect**" in the screen resolution window



V1000Pit/Pro's screen resolution of 1920x1080 (or 1680x1050) is non standard for FSX default. It must be configured by manually.

(1) Open "FSX.cfg" file with text editor, i.e. "Notepad". This FSX.cfg file can be found at following folder,

"C:\Users_User_Name_\AppData\Roaming\Microsoft\FSX"

Intitled - Notepad	
Open "F with Tex	SX.CFG" xt Editor
FSX	
Searc	h FSX
File Edit View Tools Help Orcanize ▼Open Share with ▼ Burn New folder	33 • 🔟 🕑
Controls Previous flight, FLT	
GimObjects Previous flight.FMC	
Jubstitutions	
ArbusNewHUD.log Previous flight.WX	
Caheras.CFG Program generated temporary flight.FMC	
CLLXML scenery.crg	
DLL.XIQL.Dak BRIWXStationlist.BIN	
lide dat	
Tfsx.CFG	
fsxtcrG.bak	
fsx.CFG.txt	
20 Granted Rewards. BIN	
an Granted Rewards Old. BIN	
LWcfg.SPB	
navlog0.HTM	
em selected	Computer
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- (2) Find [DISPLAY.Device. Your_Video_Adaptor.1] section in the "FSX.cfg". First main monitor is denoted as ".0". V1000Pit/Pro's screen is second monitor. So, it is denoted as ".1".
- (3) Edit "Mode=" item as follows,

[DISPLAY.Device.NVIDIA GeForce GTX 260.1] Mode=1920x1080x32

Or

Mode=1680x1050x32

It is screen resolution and color-depth.

2.5 USB connection

Connect V1000Pit/Pro USB cable to PC's available USB port. It will be recognized as COM port, if driver software installation was successful..



2.6 Installation Check

🗄 🏺 Universal Serial Bus controllers

🗄 🚛 System devices

Verifying and testing procedure for software and V1000Pit/Pro hardware installation as follows;

ControlleCOM1~COM9

- (1) Connect V1000Pit/Pro's USB cable to the PC's USB port.
- (2) Go to the folder where "VRiSim" is installed. Normally, it is program files folder;

"C:\Program Files\VRinsight" - for 32-bit OS

Or

"C:\Program Files (x86)\VRinsight" – for 64-bit OS

(3) Open sub- folder named "bin" and find software icon, "SerialFP2".

🔒 bin	
😋 🕞 🗸 🔸 Program Files (x86) 🔸 VRInsight 🔸 bin 🛛 🔹 🛃 😒	Search bin 🛛 😰
File Edit View Tools Help	
Organize 🔻 📼 Open 🔻 Burn New folder	## 🔻 🔟 🔞
Inst_Panel.exe JetPt.ini Propt.ini SerialFP2_exe JetralFP2_exe JetralFP2_uIM.dll Indu VRIPt.ini V737H.ini V737H.ini V737H.ini VRIsight.ico VVISim.exe VRISim.ini VRISim.exe	
1 item selected	

(4) Run "SerialFP2". Then, V1000Pit/Pro must be detected and connected to COM port. "V1KPt" in type box and title bar must be shown for V1000Pit/Pro hardware.

🗸 V1000Pit/Pro
SerialFP2-V1KPt 🖌 📃 🗵 🗙
Panel Info. Port: COM10 Type: V1KPt Version: 1.000
MindStar Cessna 182:AFCS(V1000Pro/FSX) 💌
Load FS Module
Test
SerialFP (c)2008-2010 VRinsight.COM Version 2010.Sep,18(RC) See messages

from hardware

If it's "N/A" in "Type:" bos, reinstall "Driver software".

- (5) Check "Test" box in the "SerialFP2" software to enable test mode.
- (6) As pressing buttons or rotating knobs on V1000Pit/Pro unit, messages must be seen in the "RX:" box.
- (7) Close "SerialFP2" software. Remember that use of "SerialFP2" is just for test purpose. Use "VRiSim" when normal operation.

3. Do it work

3.1 Run MS-FSX

(1) Check display setting

As we modify "FSX.cfg", V1000Pit/Pro's screen resolution is accepted to FSX display setting option. Open "GRAPHICS" tab in the "Setting-DISPLAY" page of MS-FSX. Also, check the 2nd screen (V1000Pit/Pro) is configured correctly.

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FREE FLIGHT MISSIONS MULTIPLAYER PILOT RECORD: LEARNING CENT SETTINGS	COMMES ARCANT SCENER VIEATER TRAFFIC Could setting: Users High Beneficial Profes specific Profes	
	Image: Second	
	Iten resolution Iten resolution Pering Wave 1920x1080x32 Iten resolution Pering Wave Iten resolution Pering Wave Iten resolution Iten	
Contacts		

(2) Aircraft selection for MSFSX

Select Mindstar's aircraft appropriately,

- *"Mindstar Cessna 182T G1000 Panel with AFCS*" for V1000Pro.
- "Mindstar Cessna 182T G1000 Panel" for V1000Pit

Flight Simul	and Accelenation	_0=×
T ngint Onlian	FREE FLIGHT	
HOME	SELECT AIRCRAFT	
FREE FLIGHT MISSIONS MULTIPLAYER PILOT RECORDS LEARNING CENT SETTINGS	Aircraft type:	
<u>}</u>	with AFCS !	ailures
Contacts	Select an alcost from the lot and then dick Or, Club Details for more information adout the selected alcost.	

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3.2 Panel window set-up

After aircraft and other selection, i.e. airport and time, press "*Fly Now!*" button in the FSX. Next step is preparing panel windows which will be displayed on **the V1000Pit/Pro** screen; *PFD*, *MFD* and *Scenery*.

(1) Change view mode to "Cockpit".



(2) Open "Zoomed PFD" instrument panel and Undock it.





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(3) Open "Zommed MFD" instrument panel and Undock.

(4) Open new cockpit view and Undock it.





(5) We have 3 undocked window; "Zoomed PFD", "Zommed MFD" and "Cockpit View 01"



Now ready to fly....

3.3 Run "VRiSim"

Run "VRiSIm". VRi's hardware of "V1000Pit/Pro" will be detected automatically and identified as "V1000Pit". If "V1000Pit" is not found, consider to reinstall driver software installation.

Next, select aircraft type in the "VRiSim". There're two selection for Mindstar's G1000 panel.

- MindStar Cessna 182(V1000Pit/FSX)
- MindStar Cessna 182:AFCS(V1000Pro/FSX)

Finally, press "Fly Now!" button.

🔀 Microsoft Flight	t Simulator X	×
<u>F</u> lights <u>A</u> ircraft	t <u>W</u> orld <u>O</u> ptions <u>V</u> iews <u>H</u> elp A <u>d</u> d-ons	
	Cockpit - View 01	
ale	W/ VRISim: 1-Device Found!	
	Main V1000Pit It's V1000Pit	
	Port: COM5 Type: V1KPt Version: 1.000	
	MindStar Cessna 182:AFCS(V1000Pro/FSX)	
Zoomed PFD	Stelling Ct this aircraft	
VOC./0 NAV	Read Write Then	Сом
	Vrei Fly now! Kenter Provide Automatical A	1.2 IS DBARO
HDG OIL PRE 25 OTL PRE 25 OTL PRE 25 OTL PRE 25 OTL PRE 25 OTL PRE 25 OTL PRE 25	223 de ONE 223 de ONE 223	PAN PAN
	F5X 10.061637.0 (SP2/Acc)	

Then, 3-undocked windows; "Zoomed PFD", "Zommed MFD" and "Cockpit - View 01" are moved and displayed in the V1000Pit/Pro's screen respectively.,



Copyright ©2011 **VRin/ight** www.vrinsight.com Align windows to V1000Pit/Pro panel's screen:

When three windows are not aligned to your screen configuration, change window's position (X and Y) and size (Width and Height) in the configuration window.

 Before begin to align undocked windows, knowing your screen configuration(Main and 2nd extended) is important. Following picture is an example of screen configuration. 2nd screen of V1000Pit/Pro is placed on the right side of main screen. V1000Pit/Pro screen's upper-left corner position is (1680, 0). X-position is same to main screen's width. Y-position must be 0.

		Upper-Left co X=Main scree	oner position en's width. Y
Screen Resolution			
Control Panel + All Control Panel	Items - Display - Screen Resolution	👻 🌄 Search Cor	trol Panel
File Edit View Tools Help			
Change the appearance	e of your displays	/ V1000Pit	Pro
ain screen 680x1050)	1 2		stect
Display: 2. Di Resolution: 1920	splay device on: VGA 🔽		
Orientation:	Iscape		
Multiple displays: Exter	nd these displays 🗾		
🗌 Make this my main displa	ау	Advan	ed settings
Make text and other items I What display settings shoul	larger or smaller id I choose?		
		OK Cancel	Apply
			67

(2) "Panel Config" is launched automatically if "Fly Now!" button of VRiSim is executed successfully (button face is grayed).

"Pane	
	Which Panel ? Position X: 1750 Y: 420 W: 985 H: 655 Width Heigh +++ L R +++ D +++ Bave Redraw Done Main V1000Pit
	Enjoy Your Flight!
	(c)2011 VRInsight Release. 2012.02.10
	Fly now!

(3) By giving number to X, Y, W, and H, 3-undocked panel window(PFD panel, MFD panel and STBY panel) position and size.



new window position

Recommended numbers of X, Y, W, H;

VRi Hardware	Panel	X*	Υ	W	Н
V1000Pit	PFD Panel	w+0	465	875	585
FSX C172	MFD Panel	w+815	465	875	585
	STBY Panel	w+0	-20	1680	495
V1000Pit	PFD Panel	w+15	475	870	570
Mindstar	MFD Panel	w+830	475	870	570
C182T	STBY Panel	w+0	-20	1680	490

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VRi Hardware	Panel	X*	Y	W	Н
V1000Pro	PFD Panel	w+70	420	985	655
FSX C172	MFD Panel	w+970	420	985	655
	STBY Panel	w+0	-20	1920	450
V1000Pro	PFD Panel	w+85	415	985	650
Mindstar	MFD Panel	w+985	415	985	650
C182T	STBY Panel	w+0	-20	1680	450

* w: width of main screen

(4) Use buttons for fine tuning window positions. When window's position is acceptable, press "Save" button for next flight.

Which Panel PFD F	?	D Panel C STBY Panel
Position X: 1750	Y: 420	Size W: 985 H: 655
++ L 	Use bi fi <mark>ne tu</mark>	utton s fo r Ini ng <u>+</u>
Save	Redraw	Done