

(MEF1.000-26OCT09A)

# Please read this manual before operating your units and keep it for future reference



All stated here is subject to change without advanced notice for improvement.

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## VRinsight $\mathbf{Jet}\mathcal{Pit}$ panel



The **JetPit panel** of **VRinsight** is a control and screen system for jet type aircrafts. All displays are synchronized with Microsoft's Flight Simulator, supporting the default jet type aircrafts of MSFS and most add-on jet type aircrafts. JetPit panel displays the primary flight information of PFD,ND, MCP, EFIS, EICAS and CDU with full functional rotation knob, push buttons giving for users to be experienced the most enthusiastic flight. It is completely interfaced with MSFS9 and MSFSX through add-on software "SerialFP2" which enables **JetPit** to perform full simulation with simple connecting PC through USB. Package including TFT LCD Monitor.

•SerialFP2 software supports all functions to Jet Pit panel.

- CDU function is not supported with the default jet type aircrafts of MSFS.
- MCP panel is limited to display. Data's cannot be changed.
- If you want to use a USB hub, be sure that the USB hub is USB 2.0 compliant. Otherwise it may cause a malfunction.
- \* LCD monitor is subject to change without advanced notice for improvement.

### **BEFORE USE** : Thanks for purchasing VRi's JetPit.

Before operating your units, please read through this manual and keep it for future reference. For any further question, visit www.wilcopub.com or contact us below:

## Fax : +32-2-33107 51

E-mail (Support team) : info@wilcopub.com

**NOTE** : This manual can be redistributed if you don't alter the content. This manual has been written out on a JetPit panel basis.

All software (& software versions) stated here (MEF1.000-26OCTY09A) is subject to change without advanced notice for improvement.

If you want to download the latest driver version for panel & application programs, visit www.vrinsight.com





## **Features**

- Real type displays for the most Jet type aircraft cockpit.
- Displays on the panel; (Re-configurable windows)
- PFD display
- ND display
- MCP display
- EFIS display
- EICAS display
- CDU display
- Controls on panel;
- CDU control
- User programmable buttons & Rotary knob;
- Five 4-ways buttons
- 14 push buttons
- 1 Rotary knob
- Full metal enclosure
- One year warranty

## **Technical specifications**

- USB interface to computer
- External power requirement (for 20.1" TFT LCD monitor: Resolution[1680 \* 1050]):
- 110V / 220V Outlet for TFT LCD monitor is European standard.
- 48.5cm (L) \* 33cm (H) : Height depends on the monitor type.
- 9Kg (with TFT LCD monitor)

## Interfacing software

SerialFP2

#### **Compatibility software**

• Flight simulator 2004 / FSX by Microsoft

## SerialFP2 Installation

With JetPit, an "Install DVD" is included. When you insert it in DVD driver of your computer, "*VRinsight HTML*" document will be shown. Then click "SerialFP2" (operating software) and install it at a proper folder.

"SerialFP2" is the main interfacing software of VRinsight used for all VRinsight flight panels.

SerialFP2 software supports all functions of JetPit and completely interfaced with MSFS9 and MSFSX enables full simulation with simple connection your computer through USB.

**Be sure that when installing SerialFP2 to check "Install USB-Serial Driver"** After installation, you can find "SerialFP2" in "All programs" of "Start menu".



## **USB** Connection

The connection between JetPit and your computer is made by using a USB cable that plugs into one USB port on your computer. If you use a USB hub, be sure that the USB hub is USB 2.0 compliant. Otherwise it may cause a malfunction.

When you connect JetPit to your computer, your computer will detect it and will describe the process step by step.

## **Power Connection**

Power supply of JetPit keys ans butons is done by USB port and that of TFT LCD monitor is done by 110V / 220V free power cable.

#### Run "SerialFP2"

When all setup processes are done; "SerialFP2" installation, "USB connection" and "Power connection", you are ready to operate JetPit.

#### Download & install "FSUIPC"

Refer to "Download & install FSUIPC" at "Download" part of www.vrinsight.com FS 9 requires FSUIPC v3.80 or later. FSX requires FSUIPC v 4.26 or later

## **Controls & Displays for each part**





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## **Displays and default Push, Rotary and Control buttons**

\* All controllable buttons are reprogrammable for users' propose using Key Mapping software.



JetPit Panel from Vrinsight.COM / 2009-10-01

## **Monitor setting**

1.Check the current display properties to identify the monitor(s) connected ("Settings" tab)

Arrange Icons By Refresh	•	
Paste Paste Shortcut <b>Undo Rename</b>	Ctrl+Z	
NVIDIA Control Panel New	•	Display: Plug and Play Monitor on NVIDIA GeForce 9300 GS
Properties		Less More 1280 by 1024 pixels Troubleshoot Advanced

- 2. Connect video cable of Jetpit to your computer.
- 3. Connect AC/DC adaptor to your Jetpit.
- 4. If you run Windows Vista, restart your computer
- 4. The display properties should now be as shown hereunder, the second monitor being that of the Jetait Display Properties



- \* If the JacPer monitor (=Monitor 2) isn't detected, check the connection of video cable & AC/DC adaptor.
- 5. When the  $J_{\text{ot}}P_{\text{if}}$  monitor is recognized, click monitor 2(= $J_{\text{ot}}P_{\text{if}}$  monitor).
- 6. Adjust the resolution for Jet Pat monitor. (Recommended resolution is 1680 \* 1050).
- 7. Check the position of the monitor 2.
- 8. Check "Extend my Windows desktop onto this monitor".

Drag the monitor icons to match the physical arrangement of your monitors.	Themes Desktop Screen Saver Appearance Settings
Secondary Display (1680, 0)         Display:         2. Default Monitor on NVIDIA GeForce 9300 GS         Screen resolution         Less         1680 by 1050 pixels         Use this device as the primary monitor.         Extend my Windows desktop onto this monitor.         Identify	Drag the monitor icons to match the physical arrangement of your monitors.
2. Default Monitor on NVIDIA GeForce 9300 GS     Screen resolution     Less     More     1680 by 1050 pixels     Use this device as the primary monitor.     Extend my Windows desktop onto this monitor.     Identify     Troubleshoot     Advanced	
2. Default Monitor on NVIDIA GeForce 9300 GS         Screen resolution         Less         1680 by 1050 pixels         Use this device as the primary monitor.         Identify         Troubleshoot	Display:
Less More 1680 by 1050 pixels Use this device as the primary monitor. Extend my Windows desktop onto this monitor. Identify Troubleshoot Advanced	
Extend my Windows desktop onto this monitor.	Less More Highest (32 bit)
OK Cancel Apply	Identify Troubleshoot Advanced
	OK Cancel Apply

10. If everything is done properly,  $J_{\text{eff}} \mathcal{P}_{\text{eff}}$  will be powered on.

\* If  $\operatorname{Jet}Pir$  doesn't power on, restart your computer. And see if the indicator is red light on. If it is, press "select" button.



## 11. Multiple display

#### 11-A. NVIDIA

11-A-1. Launch "NVIDIA Control Panel".



11-A-2. Go to "Set up multiple displays and check "Configured independently from each other (Dualview). Then the monitor of Jer will independently display your "Desktop" view.



#### 11-B. ATI 10-B-1. Launch "Catalyst(TM) Control Center". The monitor of Jet Par will automatically display your "Desktop" view. 🚾 Catalyst(TM) Control Center Arrange Icons By Refresh Paste Paste Shortcut Undo Rename Ctrl+Z ਪਣੋ New Properties 11-B-2. Go to "Displays Properties" and select monitor 2. Catalyst™ Control Center 📲 View 🔹 🏟 Hotkeys 👻 者 Profiles 👻 🙀 Preferences 👻 🚱 Help 👻 Graphics Settings Welcome Information Center Information Center Displays Propertie Usplay Uptions Monitor Properties 0 Digital Panel (DVI) 3 So Color VPU Recover ATI Overdrive\*\* **Displays** Properties Graphics Adapter : 2.ATI Radeon HD 3850 [ DIGITAL ] • Desktop and Display Setup Desktop 2: Desktop 4: 1 2 Attached displays currently disabled • Þ To make changes, drag or right-click the display icons. Detect Displays Selected Display on: ATI Radeon HD 3850 DIGITAL [Extended] Desktop area: Color quality: 1680 x 1050 I High (32-bit) Refresh rate ▼ 60 Hz -Rotation: Standard Landscape (0\*) Force . -<u>B</u>asic. <u>0</u>K Apply

#### Panel installer launch

Panel installer will copy all necessary panel data to use Jetpit Make sure SerialFP2 is NOT running when running Panel Installer.

\* Once the panel is installed, aircraft configuration is saved. You can find "Panel Installer" in the Start menu – All programs – Serial FP2



#### 1.Run "Panel Installer" (Do NOT run Serial FP2)

WRinsight's Panel/Aircraft Setup for FS9     1:MSES-Root Path	×
C:\Program Files\Microsoft Games\Flight Simulator 9	Browse
2:VRinsight Panel 3:Aircraft 4: Select Panel Status	Run Install
MS-FS9 Folder Found	
Select VRinsight's Panel	

🖁 VRinsight's Panel/Aircraft Setup for F59
-1:MSFS-Root Path C:\Program Files\Microsoft Games\Flight Simulator 9 Browse
-2:VRinsight Panel
Status MS-FS9 Folder Found Select VRinsight's Panel
ОК

**1.MSFS-Root Path** : Browse the path where "Flight Simulator 9" or "Microsoft Flight Simulator X" is installed.

\* If "Flight Simulator 9" or "Microsoft Flight Simulator X" is installed other "Drive" or "Directory", find the path and click "OK".



\* if you select a wrong path, "Status" window displays error message.

Rinsight's Panel/Aircraft Setup-MSF5 NOT Found
1:MSFS-Root Path     C:\Program Files\Microsoft Games\Flight Simulator 9\BACKUP     Browse
_2:VRinsight Panel3:Aircraft
Select Panel Level-D B767-300ER (FS9)
Status
MSFS Folder NOT Found
Please specify MSFS Install Folder
OK

#### 2. VRinsight panel : Drop down and select your panel.

👫 VRinsight's Panel/Aircraft Setup for F59 🛛 🗙
1:MSFS-Root Path         C:\Program Files\Microsoft Games\Flight Simulator 9         Browse
2:VRinsight Panel 3:Aircraft 4:Run CDU-II Select Aircraft Install
Panel Selection OK! 10 Aircrafts are listed for "CDU-II" Panel.
Be sure your MSFS version(FS9 or FSX) when you select an aircraft!
ОК

#### 3. Aircraft : Drop down and select your aircraft.

船 VRinsight's Panel/Aircraft S	ietup for F59	×
1:MSFS-Root Path C:\Program Files\Microso	ft Games\Flight Simulator 9	Browse
2:VRinsight Panel	3:Aircraft	4:Run
CDU-II	Select Aircraft	Install
Status	MSFS Original Aircraft/GPS (FS9/FSX) Level-D B767-300ER (FS9)	
	Level-D B767-300ER (FSX)	
Be sure your MSFS versi	PMDG-8744 (FS9)	
	PMDG-B744 (FSX) Wilco Airbus Vol.1(FS9)	
	Wilco Airbus Vol.1(FSX)	
	Wilco Airbus Vol.2(FS9)	
	Wilco Airbus Vol.2(FSX)	

**Run** :Click "Install" to copy the necessary panel data to use Jetpit.

\* If you select an aircraft for FS9 and the "MSFS-Root Path" is for FSX, "Status" window displays error message and all necessary panel date will not be copied. And vice versa.

🖁 VRinsight's Panel/Aircraft Setup for F59
1:MSFS-Root Path C:\Program Files\Microsoft Games\Flight Simulator 9 Browse
2:VRinsight Panel 3:Aircraft 4:Run CDU-II I Level-D B767-300ER (FSX) Install
Status Panel Installation FAIL! Check the aircraft's installation.
ОК

## 5. Status : Inform current status.

\* If everything is done properly, you will get below message

船 VRinsight's Panel/Aircraft Setup for FS9	×
1:MSFS-Root Path C:\Program Files\Microsoft Games\Flight Simulator 9	Browse
2:VRinsight Panel 3:Aircraft CDU-II Level-D B767-300ER (FS9)	4:Run Install
-Status Panel Installation for the aircraft Success by Edit!	
See folder where the aircraft is installed	
OK	

## Preparing Jet Par before Flight

#### Step 1 : Initial check

Before the first use of your Jetpit panel, please check the following:

- A. Install SerialFP2. \* Make sure that "Install USB-Serial Driver" is checked.
- B. Check the USB connection.
  - \* If you use a USB hub, it must be USB 2.0 compliant.
- C. Make sure the DC 12V adaptor is plugged in.
- D. Check the DVI or VGA connection.
- E check the monitor setting. (See page no. 7)
- F. Make sure that "Panel Installer" has been properly executed.

#### Step 2 : Run flight simulator (MSFS9 / MSFSX)

Select your aircraft.

	CREATE A FLIGHT	-		
	(041° 110.3 VEN			
	Selected aircraft		Selected location	
GETTING STARTED	1 Boeing 737-400		2 Grand Canyon Natl Park	
NEWS		CHANGE		C <u>H</u> ANGE
CENTURY OF FLIGHT	Selected weather		Selected time and sea	ISON
	3 User-defined weather		4 2007-12-07 오후 4:36	
CREATE A FLIGHT		CHANGE		CHA <u>N</u> GE
SELECT A FLIGHT				
FLYING LESSONS	Start flight with ATC window o	pen		
MULTIPLAYER	Save Flight Fu	el and Payload	Faiļures	Flight <u>P</u> lanner
LEARNING CENTER				
SETTINGS			AREALER PACAN	
				ELY NOW:



The initial screen of MSFS will be shown like pic 1. Undock it.

Pic 1

**Step 3**. Go back to the Windows desktop and run SerialFP2 . Select your aircraft and press "Load FS Module" like pic 2



Pic 2



Step 4. All gauges are moved to JetPit like pic 3.

Step 5. If needed, you can re-position the gauges display by "Panel Config" window. Find the minimized "Panel Config" window at the bottom of your monitor like pic 4



Step 6. Put the X & Y position of sub monitor for JetPit and press "Redraw".



\* For instance, If X & Y position is same as page 8, Put X=1680, Y=0.

If X & Y size is same as page 8, Put W=768, Y=1280.

ATTENTION : The values may vary according to your configuration. Experiment until the optimal settings are found.

Χ, Υ	Current position of gauges display window
++ U	Moves gauges display window to up
++ D	Moves gauges display window to down
++ L	Moves gauges display window to left
++ R	Moves gauges display window to right
W, H	Current size of gauges display window
++ H	Expands in up & lower gauges shape
H	Reduces in up & lower gauges shape
++ W	Expands in left & right gauges shape
W	Reduces in left & right gauges shape
Redraw	Execute current settings
Save	Save all settings.

You can also move and size the CDU Panel using the arrow keys :

Step 7. Press "Save" to save your settings.