

USER MANUAL

(MEH2.520-26OCT09A)

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. Tel:+82-31-284-7090~91 Fax:+82-31-284-7092 E-mail: <u>tech@vrinsight.com</u> Web site: www.vrinsight.com

BEFORE USE : Thanks for purchasing VRi's μ -Pro $\mathcal{P}_{\mathcal{X}}$.

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 could be redistributed unless you modify the contents. This manual has been written out on a μ -pro $\mathcal{P}\mathcal{T}$ basis.

All software (& software versions) stated here (MEH2.520-26OCT09A) 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



VRinzight µ- ProPit



The μ -**Pro** \mathcal{Pt} of VRinsight is a portable control and screen system for propel type aircraft. All the gauges, buttons and knobs are displaying synchronized with Microsoft's Flight Simulator propeller aircraft and most add-ons propeller aircrafts. Real knobs and push buttons provide the user an ultimately realistic flight experience with instant setup. Fully interfaced with Microsoft Flight Simulator 2004 and Microsoft Flight Simulator X through a USB port and SerialFP2 software (supplied).

Requires USB 2.0 port, unregistered FSUIPC and a free DVI or VGA port.

- Standalone type
- · SerialFP2 software supports all functions to
- 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.
- μ -ProPit requires DVI or VGA port

Features

- AIRSPEED indicator
- ARTIFICIAL HORIZON with setting rotary knob
- ALTIMETER with BARO setting rotary knob
- TURN COORDINATOR
- HEADING indicator with heading bug and gyro rotary knob
- VERTICAL SPEED indicator
- · VOR1 indicator with OBS rotary knob
- · VOR2 indicator with OBS rotary knob
- Programmable 2-position switch : Default functions are Trim & Flap up/down
- Full metal case
- Standalone type
- 1 year warranty

Technical specifications

- •USB interface type to computer
- External power requirement ; DC 12V adaptor (Included in package)
- Video port requirement : One DVI or VGA video port
- 21 cm (L) x 3.7 cm (W) x 11.3 cm (H)
- 2.5Kg

Compatibility software

• Flight Simulator 2004 / FSX by Microsoft

Operating software

SerialFP2

BEFORE USE

Before use μ -**Pro** $\mathcal{P}_{\mathcal{I}}$, please check below procedures.

1. SerialFP2 Installation

In the μ -Pro \mathcal{P} package, one "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 operating software of VRinsight used for all VRinsight flight panels.

SerialFP2 software supports all functions of μ -Pro $\mathcal{P}_{\mathcal{I}}$ and completely interfaced with MSFS9 and MSFSX enables full simulation with simple connection your computer through USB.

Be sure that when installing SerialFP2, "Install USB-Serial Driver" must be checked.

After installation, you can find "SeiralFP2" in "All programs" of "Start menu".

2. USB Connection

The connection between μ -**Pro** $\mathcal{P}_{\mathcal{T}}$ and your computer is made using a USB cable that plugs into one USB port on your computer. 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.

When you connect μ -**Pro** $\mathcal{P}_{\mathcal{X}}$ to your computer at first, your computer will detect it and will describe the process step by step.

3. Power Connection

Power supplying of μ -Pro $\mathcal{P}_{\mathcal{T}}$ is done by universal power supply adaptor DC 12V (Included in package).

4. Video Connection

The connection between μ -Pro $\mathcal{P}_{\mathcal{T}}$ and your computer is made using DVI or VGA cable.

5. Download & install "FSUIPC"

Refer to "Download & install FSUIPC" at "Download" part of <u>www.vrinsight.com</u> FS 9 requires FSUIPC v3.80 or later. FSX requires FSUIPC v 4.26 or later. Double click the shortcut of "SerialFP2" or find it in "All programs" of "Start menu . If everything is done properly, below window will be shown.

	🌯 Windows Update	
💓 Windows Explorer	Accessories	🐊 SerialFP2
	Fraps	CDU Key Mapper
Internet Explorer	m Startup	CDU-II Key Mapper
	Internet Explorer	Keymap files
Paint.NET	Remote Assistance	🗳 MCP-Combo Key Mapper
_	DAEMON Tools Lite	MCP-Combo SDK Example
 Command Prompt 	MUDIA Corporation	🗳 M-Panel Key Mapper
	In the corporation	Panel Installer
Notepad	3Micron Technology Corp	SerialFP2
	🛃 Paint.NET	🍰 u-JetPit Key Mapper
All Programs 🜔	🛅 SerialFP2	🕨 🚰 Uninstall
	6	

Monitor_setting	
 Check the current display pro connected or not. (See "Setting") 	perties in order that another sub monitor is ngs")
	Display Properties
	Themes Desktop Screen Saver Appearance Settings
Arrange Icons By	
Paste Paste Shortcut Undo Rename Ctrl+Z	
NVIDIA Control Panel	Display:
New	Screen resolution Color quality
Properties	Less More Highest (32 bit)
	Troubleshoot Advanced
	OK Cancel Apply
2. Connect video cable of μ -Prod 3. Connect AC/DC adaptor to yo 4. Check the display property in α	$\mathcal{P}_{\mathcal{H}}$ to your computer. For μ -Pro $\mathcal{P}_{\mathcal{H}}$. For that μ -Pro $\mathcal{P}_{\mathcal{H}}$ monitor is detected or not.
0	isplay Properties
	Themes Desktop Screen Saver Appearance Settings
	Drag the monitor icons to match the physical arrangement of your monitors.
Arrange Icons By Refresh	
Paste	
Paste Shortcut	
NVIDIA Control Panel	Display: 2. Default Monitor on NVIDIA GeForce 9300 GS
New	Less More Highest (32 bit)
Properties	1280 by 768 pixels Use this device as the primary monitor.
	Extend my Windows desktop onto this monitor.
	Identity I roubleshoot Advanced
	OK Cancel Apply



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



11-B. ATI

10-B-1. Launch "Catalyst(TM) Control Center". The monitor of μ -Pro $\mathcal{P}_{\mathcal{T}}$ will automatically display your "Desktop" view.

🚾 Catalyst(TM) Control C	enter
Arrange Icons By	•
Refresh	
Paste	
Paste Shortcut	
Undo Rename	Ctrl+Z
New	- VS
Properties	

11-B-2. Go to "Displays Properties" and select monitor 2.

Graphics Settings					
Welcome Information Center Displays Information	Graphics Adapter :	Displays I	Prop	erties	đ
Display Uptions	2.ATI Radeon HD 38	350 [DIGITAL]			•
	Desktop and Displa	y Selup			
	Desktop 2:	Desktop 4:			
			1	2	
ATI Overdrive***	Attached displays cu	urrently disabled:			
					Þ
	To make changes, c icons.	drag or right-click the displa	зy	Detect Displa	ayıs
	Selected Display on	ATI Radeon HD 3850 -			
	DIGITAL [Extende	ed]			
	Desktop area:	Color quality:		Refresh rate:	
BEDEDN	1680 x 1050 💌	High (32-bit)	-	60 Hz	-
PREMIUM	Rotation:			Force	1
GRAPHICS	Standard Landscap	ie (0*)	-	Fuice	

Controls & Displays for each part





Panel installer launch

: Panel installer will copy & paste all necessary panel data to work μ-ProPit automatically. Be sure "Panel Installer" should run before running SerialFP2. * Once the panel is installed, aircraft configuration is kept.

After "SerialFP2" installation, you can find "Panel Installer".

				6	Accessories	€			
	Z	<u> </u>		6	Carenado Cessna Skylane 182 RG II	►			
N El	licrosoft iabt Si	ScreenHun		6	Carenado's C172N Skyhawk II FS2004	×			
	igne on n			Contraction	CyberLink PowerDVD	⊁	Control	Aircraft Support	►
	4	_		Contraction	Flight One Software	⊁	Control	Config	►
_	2			Contraction	Microsoft Games	⊁	3	CDU Key Mapper	
Cor	r67-300 hfigurati.	Oct. 21 16		Image: A start of the start	Nero 7 Essentials	×	3	CDU-II Key Mapper	
	8488			6	NVIDIA Corporation	×	ð	JetPit Key Mapper	
	<u> </u>	<u>.</u>		6	PrintMe Internet Printing	×	6	Keymap files	
7	67-300	ScreenHup		6	Startup	×	ð	MCP-Combo Key Mapper	
F	Repai	Oct. 21 16		Δ	Adobe Reader 6.0			MCP-Combo SDK Example	
_			_	$\overline{\lor}$	HD ADeck		ð	M-Panel Key Mapper	
	V	ScreenHunter 5.1 Free		۹	Internet Explorer		.	Panel Installer	
	AL.	U Cardanna I Jardaka		Þ	Remote Assistance		ð	SerialFP2	
	-39	windows Update		Θ	Windows Media Player		ð	u-JetPit Key Mapper	
	-	D		b	Wisdom-soft ScreenHunter 5 Free	≯	ð	Uninstall	
a d	100	Programs	_	Ē	SerialFP2	►	\bigcirc	X-Plane Support	
0.8C		Documents	€						
Is for Le	v	Settings	ł						
amenta	\mathbf{P}	Search	۲						
Fund	0	Help and Support							
Mob	2	Run							
Win	0	Shut Down							
<u>#</u>	Start	ی 🙆 🧕		-					

How to use "Panel Installer". 1. Run "Panel Installer" first

👫 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 Select Panel Install
MS-FS9 Folder Found Select VRinsight's Panel
ОК

🖁 VRinsight's Panel/Aircraft Setup for FS9
-1:MSFS-Root Path C:\Program Files\Microsoft Games\Flight Simulator 9 Browse
2:VRinsight Panel
MS-FS9 Folder Found 5 Select VRinsight's Panel
OK

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.

🖁 VRinsight's Panel/Aircraft Setup-MSFS NOT Found
1:MSFS-Root Path C:\Program Files\Microsoft Games\Flight Simulator 9\BACKUP Browse
2:VRinsight Panel 3:Aircraft 4:Run Select Panel V Level-D B767-300ER (FS9) V Install
Status MSFS Folder NOT Found Please specify MSFS Install Folder
ОК

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

👭 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 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	etup for F59		×
1:MSFS-Root Path C:\Program Files\Microso	ft Games\Flight Simulator 9	Browse]
2:VRinsight Panel CDU-II	3:Aircraft Select Aircraft MSFS Original Aircraft/GPS (FS9/FSX) Level-D B767-300ER (FS9) Level-D B767-300ER (FSX) PMDG-B737NG (FS9) PMDG-B744 (FS9) PMDG-B744 (FS9) Wilco Airbus Vol.1(FS9) Wilco Airbus Vol.1(FSX) Wilco Airbus Vol.2(FS9)	4:Run Install	
	Wilco Airbus Vol.2(FSX)		

4. Run : Copy & paste all necessary panel data to work μ-ProPit automatically.
 * 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 automatically copied & pasted. 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 I I I I I I I I I I I I I I I I I	
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

🖁 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 Level-D B767-300ER (FS9) Install
- Status
Panel Installation for the aircraft Success by Edit!
See folder where the aircraft is installed
ОК

Preparing μ -ProPit before Flight

Step 1 : Initial check up

Before flight with μ -ProPit, please check the followings are done

A. Install of SerialFP2.

* Check that "Install USB-Serial Driver" is checked or not.

- B. Confirm that proper version of FSUIPC is installed or not (FSUIPC v3.80 or later for FS9 / FSUIPC v4.26 or later for FSX)
- C. Confirm the USB connection.
 - * Check that the USB port of your computer is dead or not
 - * Check that if you use USB hub, it is compliant with USB 2.0 standard or not.
- D. Confirm DC 12V adaptor is plugged in.
- E. Confirm the DVI or VGA connection.
- F. Confirm the monitor setting. (See page no. 7)
- G. Confirm that "Panel Installer" is executed or not.

Step 2 : Run flight simulator (MSFS9 / MSFSX)

A. Run flight simulator (MSFS9 / MSFSX).

B. Select Aircraft.



Step 3 : Run panel linking application software "SerialFP2".



- 1 : Number of COM(USB) port
- 2 : Type of panel
- 3 : Firmware version
- 4 : Aircraft selection
- 5 : Link to game
- 6 : Software loading sequence change Original sequence
- (MSFS loading first => SerialFP2 running) New sequence

(MSFS loading / SerailFP2 running first

- => Serial FP2 running / MSFS loading)
- 7 : Input test for panel
- 8 :Link test for panel with game

Step 4 : Undock "Main Panel(uProPit)" window.

Place the cursor on the Main Panel(uProPit) and press right button to undock If you can't see the Main Panel(uProPit), please go to page No. 12 "Panel Installer launch".





Step 5. Press "Load FS Module" to move the undocked Main Panel(uProPit) display to μ -Pro $\mathcal{P}_{\mathcal{T}}$.

Step 6. Input the X & Y position of	μ-ρro Pit monitor and μ	press "Redraw"
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* 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.

Step 8. Confirm the Main Panel(uProPit) display has been moved to μ -Pro $\mathcal{P}\mathcal{X}$. Then press "Save" for future purpose. With "Panel Config" window, you can adjust position and size of the display. See how to control them.



Х, Ү	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.