μ Pro Pit

USER MANUAL

(MEH2.520-26OCT09A)

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

VRinsight
Virtual Reality Insight

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 : tech@vrinsight.com Web site : www.vrinsight.com

BEFORE USE : Thanks for purchasing VRi's *μ*Pro*Pit*.

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 *μ*Pro*Pit* 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

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VRinsight μ·ProPit

The μProPit of VRinsight is a portable control and screen system for propel type aircraft. All the gauges, buttons and knobs are displaying synchronized with Microsoft 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.
• μProPit 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 μPro$\mathcal{P}\!\mathit{it}$, please check below procedures.

1. SerialFP2 Installation

In the μPro$\mathcal{P}\!\mathit{it}$ 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 the proper folder.
"SerialFP2" is the main interfacing software of VRinsight used for all VRinsight flight panels.

SerialFP2 software supports all functions of μPro$\mathcal{P}\!\mathit{it}$ and completely interfaced with MSFS9 and MSFSX enables full simulation with simple connection your computer through USB.
Be sure that when installing SerialFP2 you check"Install USB-Serial Driver".

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

2. USB Connection

The connection between μPro$\mathcal{P}\!\mathit{it}$ 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 μPro$\mathcal{P}\!\mathit{it}$ to your computer at first, your computer will detect it and will describe the process step by step.

3. Power Connection

Power supplying of μPro$\mathcal{P}\!\mathit{it}$ is done by universal power supply adaptor DC 12V (Included in package).

4. Video Connection

The connection between μPro$\mathcal{P}\!\mathit{it}$ and your computer is made using DVI or VGA cable.

5. Download & install "FSUIPC"

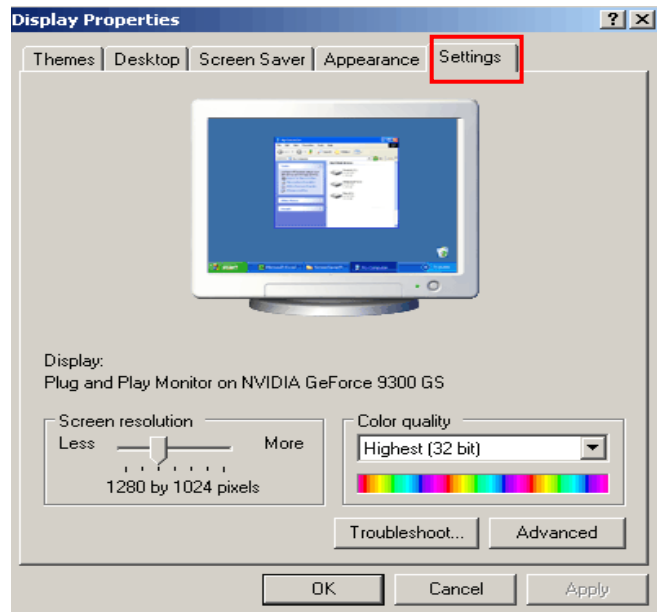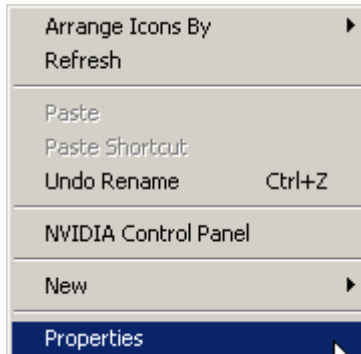**Refer to "Download & install FSUIPC" at "Download" part of www.vrinsight.com**
FS 9 requires FSUIPC v3.80 or later. FSX requires FSUIPC v 4.26 or later.

Double click the shortcut of "SerialFP2" or find it in "All programs" of "Start menu .
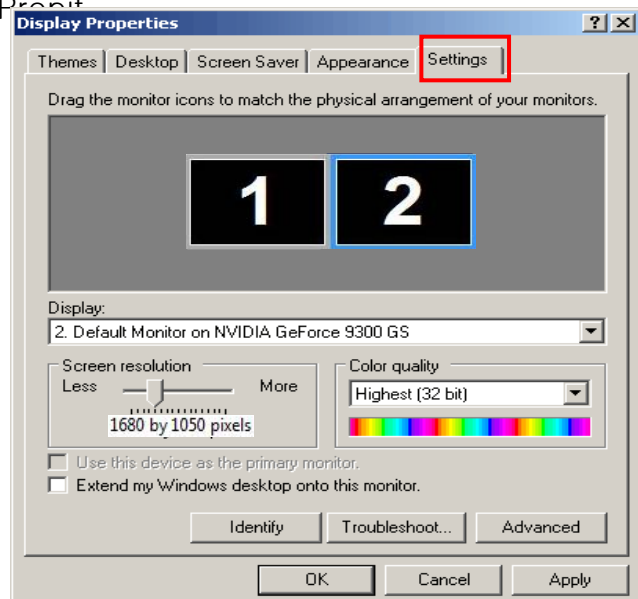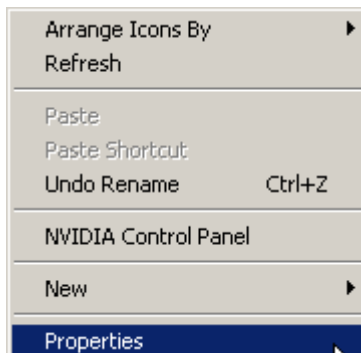If everything is done properly, below window will be shown.

Monitor setting

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

Display Properties   ? ×

Themes | Desktop | Screen Saver | Appearance | **Settings**

Display:
Plug and Play Monitor on NVIDIA GeForce 9300 GS

Screen resolution
Less ———|——— More
1280 by 1024 pixels

Color quality
Highest (32 bit)

Troubleshoot... | Advanced

OK | Cancel | Apply

Arrange Icons By   ▸
Refresh

Paste
Paste Shortcut
Undo Rename   Ctrl+Z

NVIDIA Control Panel

New   ▸

Properties

2. Connect video cable of µPropit to your computer.
3. Connect AC/DC adaptor to your µPropit
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 µPropit
.

Arrange Icons By   ▸
Refresh

Paste
Paste Shortcut
Undo Rename   Ctrl+Z

NVIDIA Control Panel

New   ▸

Properties

Display Properties   ? ×

Themes | Desktop | Screen Saver | Appearance | **Settings**

Drag the monitor icons to match the physical arrangement of your monitors.

1   **2**

Display:
2. Default Monitor on NVIDIA GeForce 9300 GS

Screen resolution
Less ——|———— More
1680 by 1050 pixels

Color quality
Highest (32 bit)

☐ Use this device as the primary monitor.
☐ Extend my Windows desktop onto this monitor.

Identify | Troubleshoot... | Advanced

OK | Cancel | Apply

* If the μPro$\mathcal{P}it$ monitor (=Monitor 2) isn't detected, check the connection of video cable & AC/DC adaptor.

5. When the μPro$\mathcal{P}it$ monitor is recognized, click monitor 2(= μPro$\mathcal{P}it$ monitor).
6. Adjust the resoiution for μPro$\mathcal{P}it$ monitor.
   (Recommended resolution is **1280 * 768**).
7. Check the position of the monitor 2.
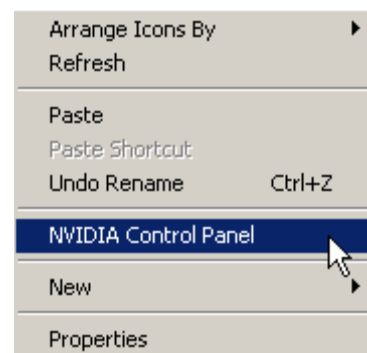8. Check "Extend my Windows desktop onto this monitor".
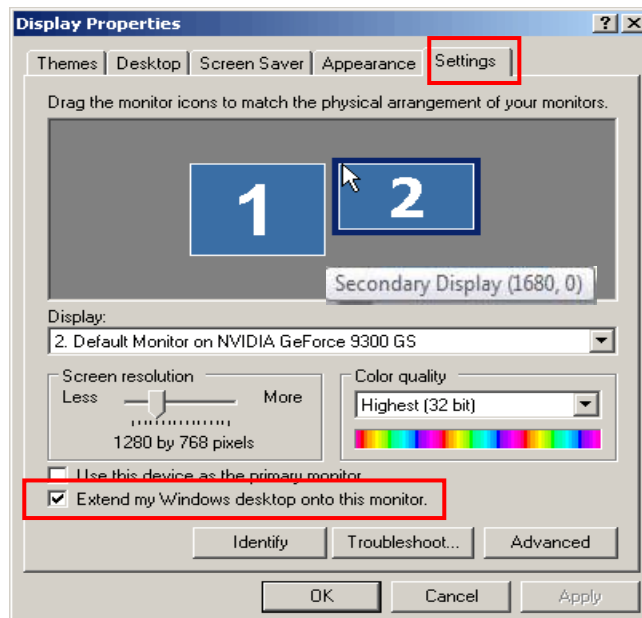
* If μPro$\mathcal{P}it$ monitor doesn't illuminate, restart your computer.
9. Click "Apply" and click "OK"
10. If everything is done properly, μPro$\mathcal{P}it$ will be powered on.

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 μ Pro$\mathcal{P}\mathcal{i}\mathcal{t}$ will independently display your "Desktop" view.
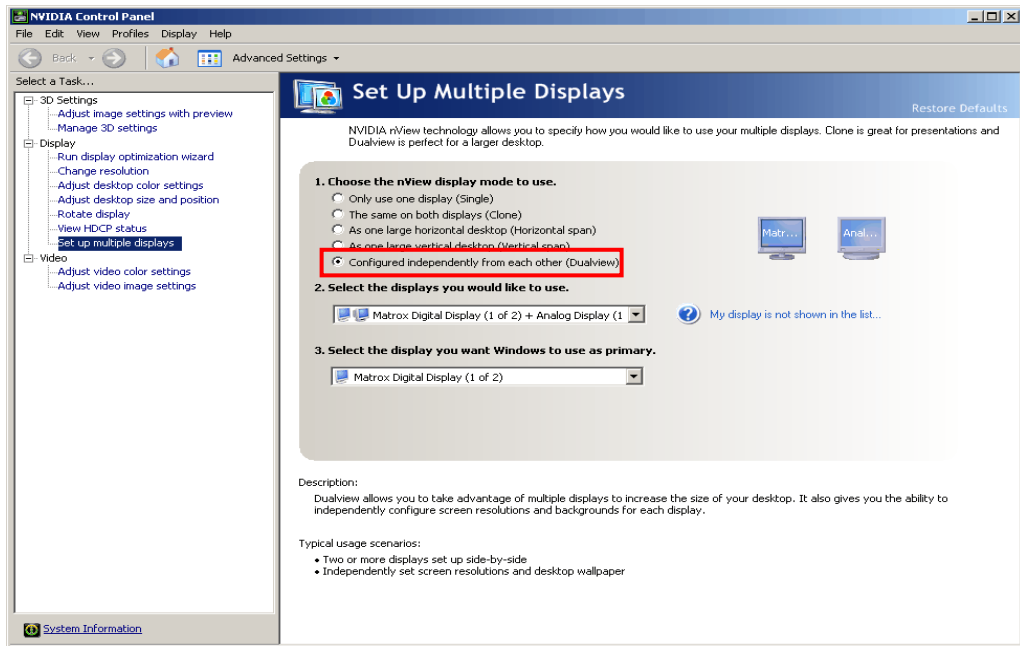
11-B. ATI
10-B-1. Launch "Catalyst(TM) Control Center".
The monitor of μPro$\mathcal{P}it$ will automatically display your "Desktop" view.
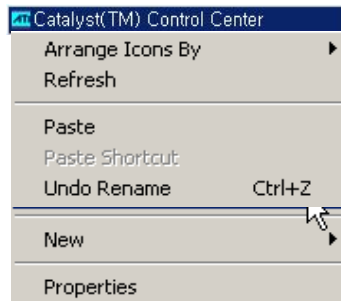
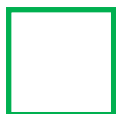11-B-2. Go to "Displays Properties" and select monitor 2.

Controls & Displays for each part

Controllable gauges : VOR1, VOR2, HDG, ALT, Altitude indicator and Heading indicator

Gauges display: Airspeed indicator, Turn coordinator, Altitude, Vertical speed.

Programmable 2-position switch : Default functions are Trim & Flap up/down

Panel installer launch

Panel installer will copy all necessary panel data to use μPropit

Make sure SerialFP2 is NOT running when running Panel Installer.

   * Once the panel is installed, aircraft configuration is saved.

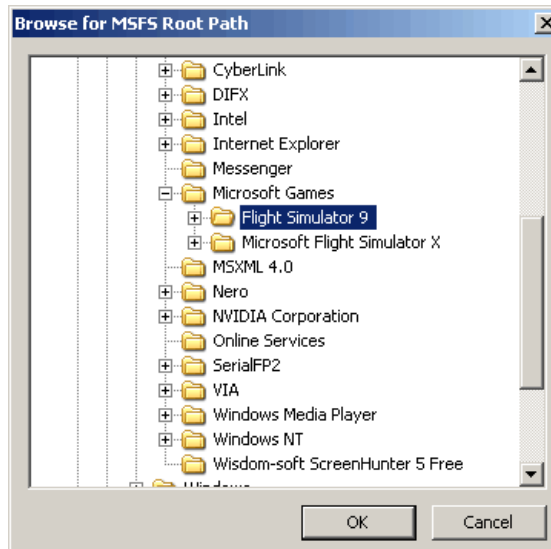You can find "Panel Installer" in the Start menu – All programs – Serial FP2
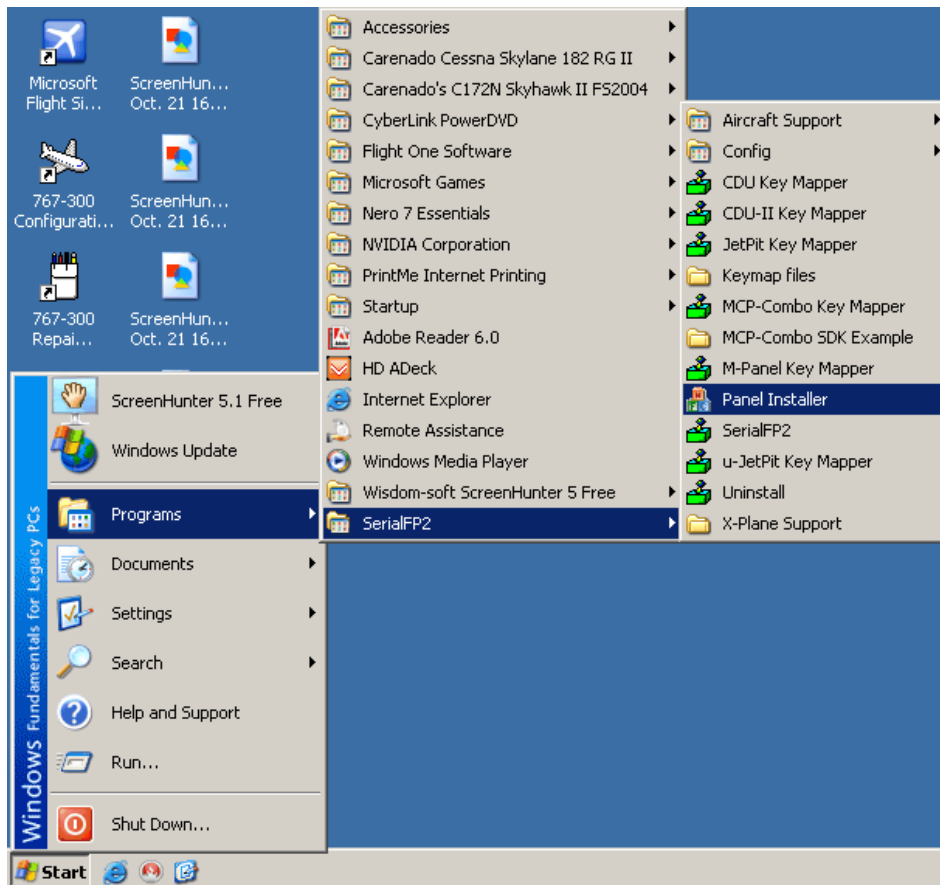
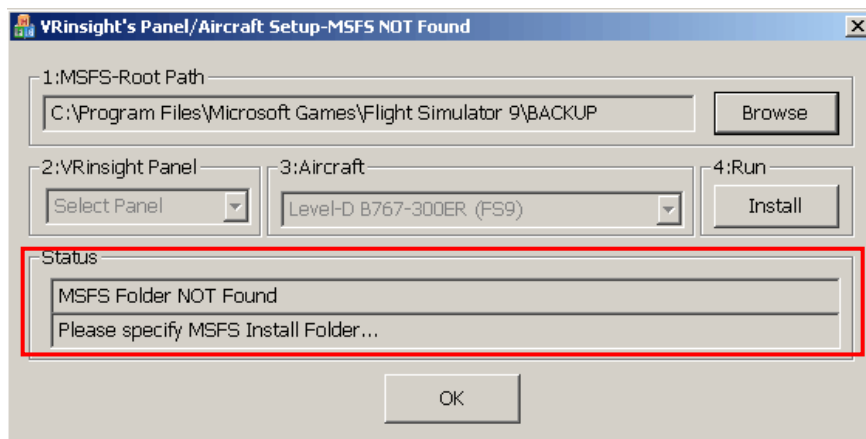**1.Run "Panel Installer" (Do NOT run Serial FP2)**
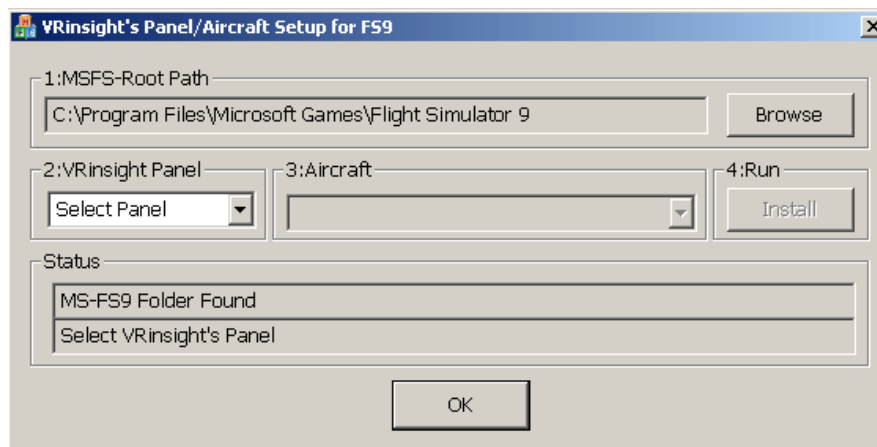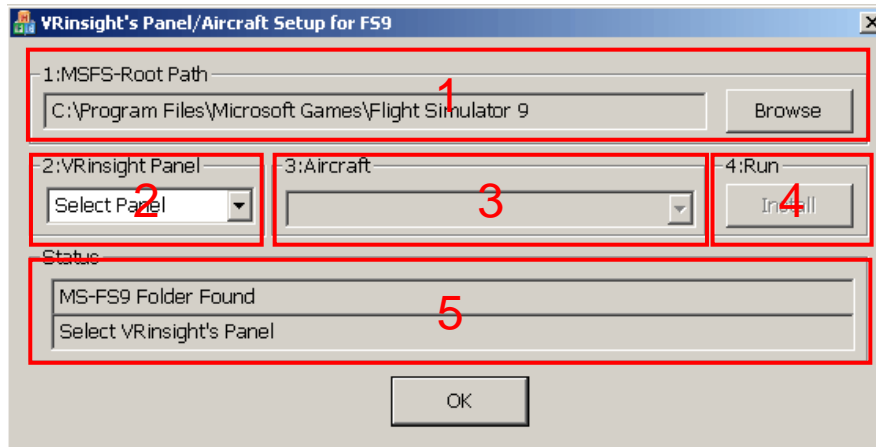
1.MSFS-Root Path : Browse the path where "Flight Simulator 9" or "Microsoft Flight Simulator X" is installed.
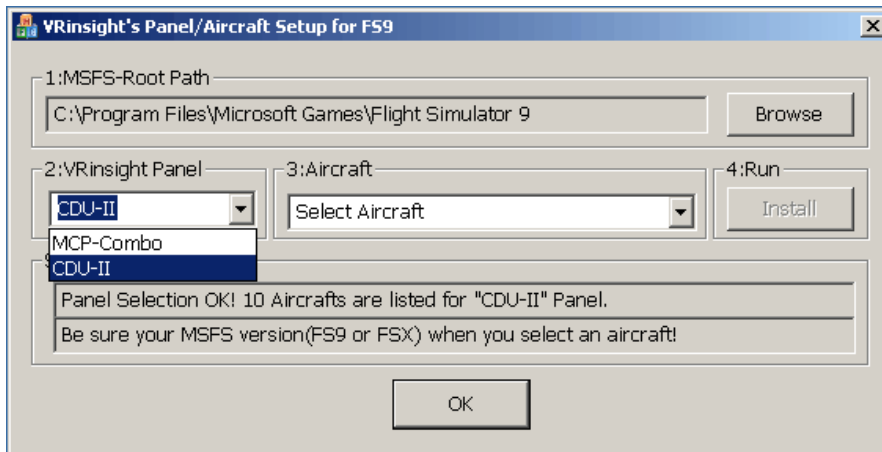
   * If "Flight Simulator 9" or "Microsoft Flight Simulator X" is installed other "Drive" or "Directory", find the path and click "OK".
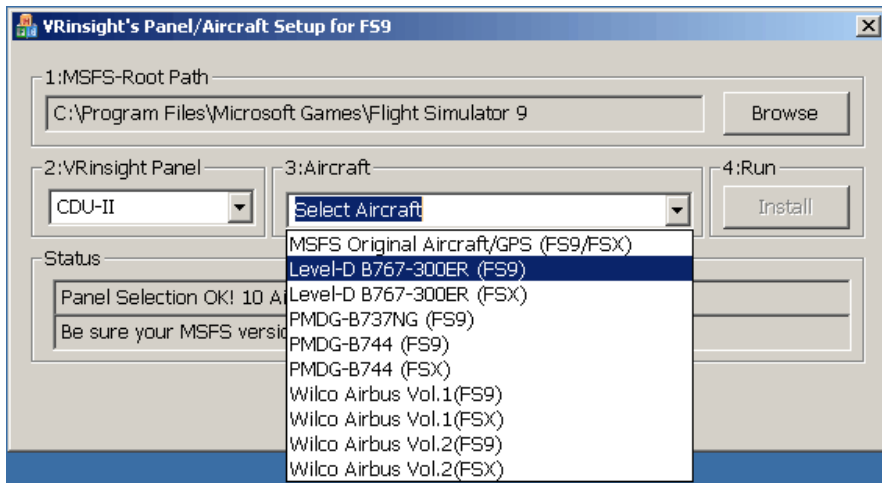

   * if you select a wrong path, "Status" window displays error message.

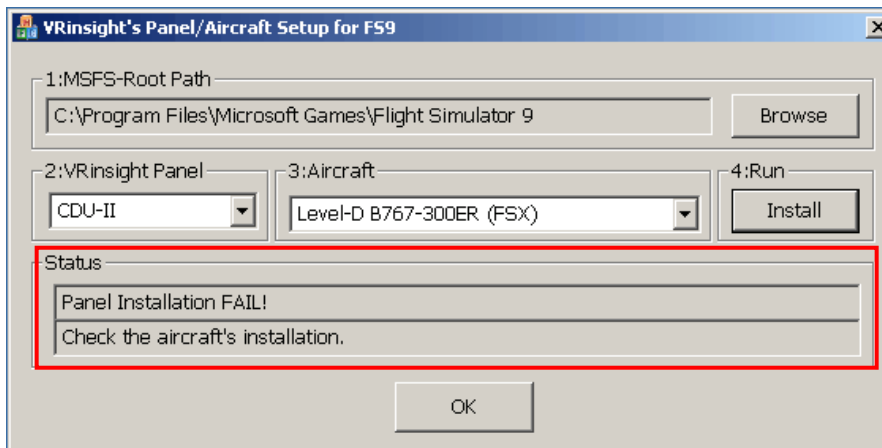2. **VRinsight panel** : Drop down and select your panel.

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

4. **Run** : Copy & paste all necessary panel data to work μProPit 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 copied.
    And vice versa.

5. Status : Inform current status.
　　* If everything is done properly, you will get below message
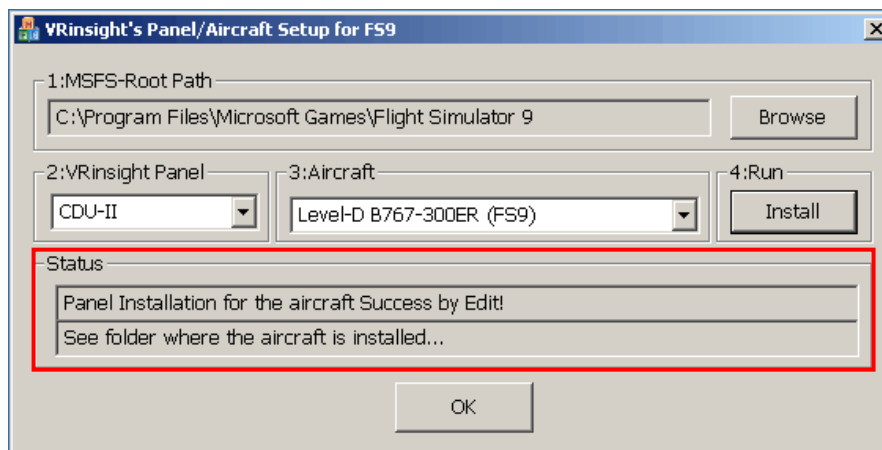
Preparing µPropit before Flight

Step 1 : Initial check
Before the first use of your µPropit 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.

Step 3 : Run panel linking application software "SerialFP2".
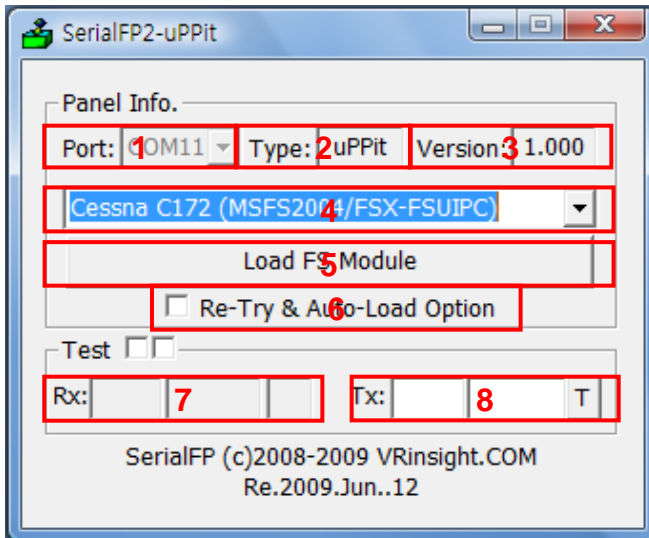
Legend for information
1 : Number of COM(USB) port
2 : Type of panel
3 : Firmware version
4 : Aircraft selection
5 : Link to game
6 : Software loading sequence change
    Original sequence
(MSFS loading first => SerialFP2 running)
    New sequence
(MSFS loading / SerailFP2 running first
=> Serial FP2 running / MSFS loading)
7 : Input test for panel
8 :Link test for panel with game

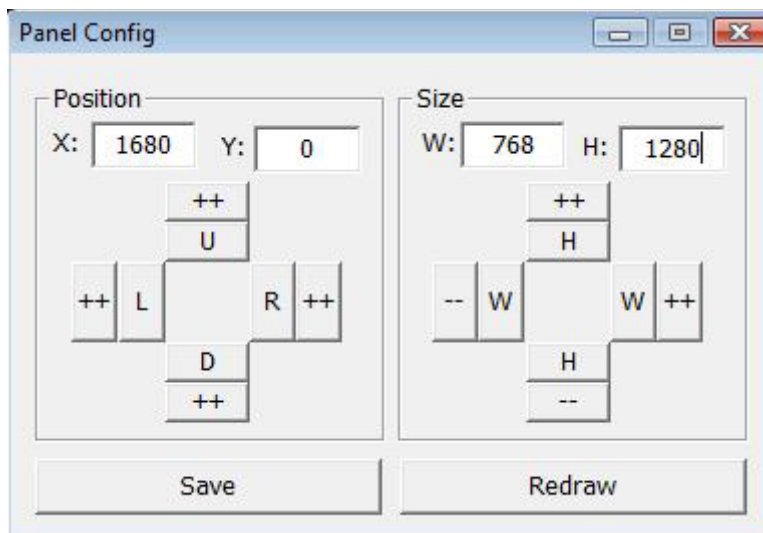## Step 4 : Undock "Main Panel(uProPit)" window.
Place the cursor on the Main Panel(uProPit) and press right button to undock
If you can't see the Main Panel(uProPit), please go to page No. 12 "Panel Installer
launch".

Step 5. Press "Load FS Module" to move the undocked Main Panel(uProPit)
   display to μProPit **.**

Step 6. Input the X & Y position of μProPit **monitor 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.
You can also move and size the CDU Panel using the arrow keys :

X, Y	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.

Step 7. Press "Save" to save your settings