MCP Combo II - Boeing MCP – Boeing Style Flight control panel



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



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Ар	pendix FSUIPC VRiSim Panel Installer PMDG 737NGX

X-Plane (V9 / 32bit only, V10 32bit / 64 bit) Control Assignment

1. Introduction

1.1 General

MCP Combo II - Boeing MCP - features Boeing aircraft panel with full control complement: Default Boeing aircraft (add-on aircraft will be supported continuously, Level-D's B767-300, PMDG's B737NGX & 744, iFly 737NG). It is completely interface with MSFS9 and MSFSX through add-on software "**VRiSim**" which enables MCP Combo II - Boeing MCP - to perform full simulation with simple USB connection to your computer.

MCP Combo II - Boeing MCP - is comprised of EFIS, MCP & COM part (Instrument Radio) to understand advanced flight controls for beginner and intermediate users starting flight simulation at a first step.

Each part had push buttons, rotary knobs, toggle switches and 2 lines character type LCDs offering actual flight circumstance

1.2 Features

- Boeing shaped configuration
- Integrated unit with full radio stack function : EFIS part, MCP part, COM part
- SPD, VOR, HDG, ALT, V/S, Auto Pilot status display
- COM 1/2, NAV 1/2, ADF, DME 1/2, TRN display
- Full metal enclosure plate and stand
- USB 2.0 compliant connection for control interface
- Power source : D.C 5V
 - D.C 5V adaptor is included in the package.
- Decal buttons
- Day/Night mode select
 - Built in Amber color LEDs for Night mode
- Main power ON/OFF button
- Compatible with Microsoft's Flight Simulator X and 2004 Original Boeing (FSX & 2004)

NOTE : Limited functions are available for Original Boeing

- Compatible with Microsoft Windows XP, Vista and Windows 7
- Size & Weight Width: 50.5cm/19.9" Height: 13cm/5.1" Length: 11.5cm/4.5" Weight: 4Kg
- 1 year warranty



1.3 Display Configurations

MCP Combo II – Boeing MCP - has configuration of Boeing style flight control panel. Its displaying area is divided into 2 windows; MCP part and Radio part.

- MCP part displays SPD, HDG, ALT, V/S, A/T, F/D, VNAV, LNAV information
- Radio part displays COM 1/2, NAV 1/2, ADF, DME 1/2, TRN information



VRin/ight MCP Combo II - Boeing MCP -

1.4 Controls

EFIS part



EFIS on MCP Combo II/Boeing Style Panel

MCP part on MCP Combo II - Boeing MCP -



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Radio part



2. Deliverables





1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
BRK	A.BRK DEC	A.BRK RTO	ADF	Alt. Reset	ALT	Alt. Reset	APP	APR	ATHR	A.BRK	A.BRK DEC	A.BRK RTO	ADF	ALT	Alt. Reset	APP	APR	ARPT	ATHR
AUX	BCRS	BRK	CANCEL	CLB	CMD A	CMD B	CMD	CMD	CMD	AUX	BCRS	BRK	GANGEL	CLB	CMD A	CMD B	CMD C	CMD	CMD C
R	сом	CON	CRZ	CSTR	cws A	CWS B	CON CRZ	DATA	DME	CMD R	СОМ	CON	CRZ	CSTR	cws A	cws B	CON CRZ	DATA	DME
ENGINE	FLCH	Flap UP	Flap DN	FPV	FPV	G/A	Gear UP	Gear DN	Gear OFF	ENGINE	FLCH	Flap UP	Flap DN	FPV	FPV	G/A	Gear UP	Gear DN	Gear OFF
HDG	HDG Reset	HDG	ILS	INOP	Light	LNAV	LOC	AWARD	MTR	HDG HOLD	HDG Reset	HDG SEL	ILS	INOP	Light	LNAV	LOC	NAVAID	MTR
MTR	N1	NAV	NOB	OVHD	Pitot Heat	PDST	POS	-	SPD	MTR	N1	NAV	NOB	OVHD	Pitot Heat	PDST	POS	RECALL	SPD
sQ	STA	STATUS	TFR	TERR	TOGA	TO GA	TOGA	TOGA	TOGA SET	SQ	STA	STATUS	TFR	TERR	TOGA	TO GA	TOGA CLB	TOGA CLR	TOGA SET
TRN	V/S	VNAV	VORD	WPT	WXR	Y/D	Zoom	7.00m Out	1	TRN	V/S	VNAV	VORD	WPT	WXR	Y/D	Zoom	Zoom Out	⇔

NOTE : Since decal buttons will not be attached, be sure all necessary decal buttons are in the tray before unpacking.

- 3. Connection
- 3-1. Plug/Connection Diagram



- Power select button is for ON/OFF of LCD display
- USB cable (A to B type) is for interface
- Power cable (D.C 5V) is for power source

4. Software Installation

4-1. FSUIPC installation

NOTE : See the **Appendix** for **FSUIPC** part on how to install FUSIPC.

4-2. VRiSim installation

Driver and application software "VRiSim" is installed to make MCP Combo II - Boeing MCP - work in the PC.

VRISIm is application software managing VRInsight's flight simulation hardware panels. Multiple hardware panels can be used with single instance of **VRISIm**. To reduce distributing file size, software installer is supplied as divided package; base-package and device specific module package. The base-package installs only **VRISIm** and Panel Installer utility.

Installer executable is divided into **base package** and **device specific modules**. **VRiSim** is included in the base-package setup installer, "Install_VRiSim.exe".

Base-Package Installer:

The base-package installer can be found in the supplied DVD,

\VRiSim\Install_VRiSim.exe

Device Specific Module Package Installer:

The MCP-II Combo module installer can be found in the supplied DVD, \VRiSim\Install MCP-II Combo.exe

Or downloaded at VRInsight's web-page, http://www.vrinsight.com/devel_shot

NOTE: See the Appendix for VRiSim part on how to install VRiSim.

4-3. Panel Installer installation

Panel Installer software configures each aircraft to use in MCP Combo II – Boeing MCP -. Once it is done, no additional configuration is required.

NOTE : See the Appendix for Panel Installer on how to configure the aircraft

4-4. FSX Acceleration pack installation

NOTE : Be sure that FSX acceleration pack should be installed

5. Quick Start

VRiSim is new software developed for interfacing VRinsight's hardware unit to Microsoft's Flight Simulator. After installation of **VRiSim** software, short-cut icons will be created on your desk-top; **VRiSim**. **VRiSim** is used in replacing with SerialFP2 software for MCP Combo II – Boeing MCP -.



NOTE : Section 4. Software installation should be done.

Step 1. Run Flight Simulator 2004 / Microsoft Flight Simulator X

Run Flight Simulator 2004 / Microsoft Flight Simulator X and select an aircraft. Press "FLY NOW". **NOTE :** Be sure that the selected aircraft should be configured through the **Panel Installer** in advance.

Step 2. Run VRiSim

Double-click "VRiSim" short-cut icon to run. "VRiSim" search all VRinsight hardware units and list up found device(s). Device searching process could be taken several minutes. Following image is showing that two device, MCP Combo II - Boeing MCP - and GPS-5 are found and listed by "VRiSim" software. "VRiSim" manages multiple devices.

[₩] ¥RiSim: 2	-Devices Found!
	Re-Scan VRi Device ±
Main	MCP-II Boeing GPS-5
	Select device tab to see more info and test or aircraft selection
	Run Flight Simulator and Cockpit in Press "Fly now!" when ready
	(c)2011 VRInsight
	Release. 2011.06.30
VRam	Fly now!

NOTE : In the VRISIM software, MCP-II Boeing means MCP Combo II - Boeing MCP -

VRin/ight MCP Combo II - Boeing MCP -

W? VRiSim: 2-Devices Found!	Re-Scan VRi Device ±						
Main MCP-II Boeing GPS-5							
Select device tab to see more info and test or aircraft selection							
Run Flight Simulator Press "Fly now!"							
(c)2011 VRI	Insight						
Release. 201	1.06.30						
Fly not							

NOTE : Even if your MCP Combo II – Boeing MCP – is connected to your computer and **VRiSim** does not find it, press in order to find all VRinsight hardware units again.

Step 2. Select Aircraft

Open device's tab to select "Aircraft".

W VRiSim: 2-Devices Found!	
	Re-Scan VRi Device 🛨
Main MCP-II Boeing GPS-5	
Port: COM10 Type: MCP2B	Version: 1.100
Microsoft Original B 738(FSX)	•
✓ Use this device	MSFS Loading
🗆 for Non-MSFS 🛛 🗷 Open Co	nfig Dialog
Test & Debug	
Read Write	T
Fly now!	Virtual Kealley

Step 3. Fly Now!

As the aircrafts are specified to fly with VRi's unit, press "Fly Now!" button. **NOTE :** Remember that Flight Simulator should be running and you are in-cockpit before pressing this button. Otherwise, you will see following message.

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VRinzight MCP Combo II - Boeing MCP -

[₩] ¥Ri5im: 2-	Devices Found!
	Re-Scan VRi Device 🛨
Main	MCP-II Boeing GPS-5
	Flight Simulator is NOT running
	Run Flight Simulator and Cockpit in Press "Fly now!" when ready
	(c)2011 VRInsight
	Release. 2011.06.30
VR.	Fly now!

Appendix

FSUIPC VRiSim Panel Installer PMDG 737 NGX

VRIn*r*ight, ©2012

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FSUIPC

1. FSUIPC Installation

FSUIPC is add-on module for Microsoft's FlightSimulator. VRInsight's hardware panel interacts with Flight Simulator via FSUIPC. **VRISim** is bridging VRInsight's hardware panel and Flight Simulator via FSUIPC. Actually FSUIPC is pay-ware. **VRISim** is working with unregistered version of FSUIPC under the API level usage agreement with Pete Dowson. You have the option to pay for additional features in FSUIPC.

Step 1. Getting latest FSUIPC

To download latest version of FSUIPC, visit Pete Dowson's web-page,

http://www.schiratti.com/dowson.html

Web browser will be directed to FSUIPC download page, if "Visit Pete Dowson's PSUIPC page" is checked.

C The Official Peter Dowson Page - Windows Internet Ex	plorer		
🕞 😔 🗢 🔣 http://www.schiratti.com/dowson.html		💌 🖄 🏕 🗙 😽 Goo	gle 🖉 🗸
File Edit View Favorites Tools Help			
🚖 Favorites 🛛 🙁 💌 🏉 http://webmail.vrinsight.com	The Official Peter Dowso 🗙	👌 • 🗟 •	🖃 🚔 🔹 Page 🔹 Safety 🔹 Tools 🔹 🔞 🔹 🎇
schiratti.com			Peter Dewsen's
peter dowson	Last Updated: May 09, 2011	12:37 Romance Daylight Time	PFCDLL RavDisp
project magenta	Peter Dowson's Support I had been searching for a l some trouble finding the ner	MVP	
cockpit	have easily found it on Com	puserve, but it should be easily found on the Internet grams and documentation quite extensively with	Microsoft Most Valuable Professional
aviation humour	FSX		1
enrico schiratti		NEW Full release of FSUIPC 4 (incorporating WideFS 7) for use with FSX April 15th 2011 (5.3 MB)	
Ads by Google	FSUIPC4 4.70 (b)	replaced with (b) version for Prepar3D changes	
ESX Aircraft Flight Simulator Addon for FSX		WideServer7 is built into FSUIPC4, you will need the WideClient from the WideFS link below.	
	WideFS 6.86	NEW The WideClient.exe included in this zip is to be used with the WideServer7 module which is included with FSUIPC4 from now on. April 11th 2011	
	To register/buy FSUIPC or V simMarket:	VideFS for FSX, ESP and Prepar3D please go to	
		🔗 🛛 🈜 Internet Protected I	Mode: Off

Step 2. Download FSUIPC

Click right-mouse button to FSUIPC4 download link and select "Save Target-As..."

FSX				
			ease of FSUIPC 4 (incorporating or use with FSX April 15th 2011 (5.3	
FSUIPC4 4.70 (b) Open		replaced wit	h (b) version for Prepar3D changes	
	Open in New Tab)	is built into FSUIPC4, you will	
	Open in New Wir	ndow	eClient from the WideFS link	
	Save Target As.			
	Print Target		leClient.exe included in this zip is th the WideServer7 module which th FSUIPC4 from now on. April 11th	
WideFS 6.	Cut			

Specify a folder where the FSUIPC4.zip is saved (i.e. "Download"),



It'll take several minutes depending on internet connection.

Peter Dowson's Support Fo	orum [Please use this to contact Peter]				
I had been searching for a link to Peter's WideFS following a request, and I had some trouble finding the newest postable version of his software. Ok, I could						
as well. We use Peter's progra	ams ar	23% of FSUIPC4.zip from fsuipc.simflight.com Completed				
Project Magenta, it was and is	most					
FSX						
	NEW Wide MB)	FSUIPC4.zip from fsuipc.simflight.com Estimated time left: 2 min 12 sec (1.22MB of 5.51MB copied) Download to: C:₩Users₩goodkook₩Dow₩FSUIPC4.zip				
FSUIPC4 4.70 (b)	repla	Transfer rate: 33.4KB/Sec Close this dialog box when download completes				
	Wide need belov	Open Open Folder Cancel				
WideFS 6.86	NEW to be is inc 2011	SmartScreen Filter checked this download and did not report any threats. <u>Report an unsafe download.</u>				

Step 3. Run FSUIPC Installer

Extract downloaded zip archive "FSUIPC4.zip" and run installer file; "Install FSUIPC4"



Installation success message will be shown as follows;

Installer for FSUIPC4	_ 🗆 🗵
Save as	
Looking in "C:#Users#Default User#AppData#Roaming" No FSX.CFG there	-
Looking in "C:#Users#goodkook#AppData#Roaming"	
Found FSX.CFG in "C:#Users#goodkook#AppData#Roaming#Microsoft#FSX#FSX.CFG"	
Now checking DLL.XML	
There is a previous DLL.XML, checking for FSUIPC4 section.	
FSUIPC4 section already exists but will be replaced.	
FSUIPC4 section of DLL.XML written okay Now checking for a SimConnect.XML file	
No SimConnect VML file found This is	
Looking in "C:#Users#Public#AppData#	
No ESX.CFG there	
Looking in "C:#Users#UpdatusUser#Apj >> FSUIPC4.DLL version 4.742	
No FSX.CFG there Installed into FSX okay!	
"Modules#FSUIPC Documents" folder al	
Now installing additional files into the " Please see the FSUIPC+ User Guide file. It is in the FSX/Whodules folder.	
Installed "FSUIPC4 User Guide.pdf" ok	
Installed "FSUIPC4 for Advanced User	
Installed "FSUIPC4 History.pdf" okay	
Installed "List of FSX controls.pdf" oka	
Installed "GlobalSign Root.exe" okay	
Installed "FSUIPC Lua Library.pdf" okay	
Installed "FSUIPC Lua Plug-Ins.pdf" okay	
Installed "Lua License.pdf" okay	
Installed 'Lua Plugins for VRInsight Devices.pdf' okay	
Installed "LuaFileSystem.pdf" okay	
Installed "Example LUA plugins.zip" okay	•
	► //.

Finally it'll be prompted for registration of FSUIPC4. Registration code can be entered by pressing "OK" button. Or, select "Cancel" to continue using FSUIPC as unregistered. **VRiSim** is working with FSUIPC as un-registered version of FSUIPC at API-level.

Installer for FSUIPC4		_O×
Save as		
Installer for FSUIPC4	x t will be replaced.	<u> </u>
REGISTRATION OF FSUIPC4 / WIDEFS7	n okay	
Please select options here:	ile s is okay.	
or press CANCEL for no registration.	a#Roaming"	
● FSUIPC4 ○ WideFS7 ○ Both	AppData#Roaming''	
C Delete previous registrations		
	already exists. "Modules#ESUIPC Documents" folder:	
C Check existing registration(s)	okay	
 Just enter new registration(s) 	ers.pdf' okay	
is suscence new registration(s)	y · ·	
Cancel OK	ikay	
	y 	
Installed "FSUIPC Lua Plug-Ins.p		
Installed "Lua License.pdf" okay	· ·	
Installed "Lua Plugins for VRInsi		
Installed "LuaFileSystem.pdf" ok		
Installed "Example LUA plugins. FSUIPC4.DLL installed and signate		
Deleted GlobalSign Root fix progra		
	=======================================	
All installer tasks completed.		
<u> </u>		· //.

How to know installed FSUIPC version?

FSUIPC is installed in "Modules" folder under MSFS is installed. Full path string would be as follows, if it was standard installation;

FS 2004:

"C:\Program Files\Microsoft Games\Flight Simulator 9\Modules"

FSX:

"C:\Program Files\Microsoft Games\Flight Simulator X\Modules"

FSUIPC file could be installed without knowing, when you installed add-on aircraft. Verifying installed FSUIPC's version is highly recommended. Major version number of

Copyright ©2012 **VRin/ight** www.vrinsight.com FSUIPC represents which MSFS is for. FSUIPC 3.xx is for FS 2004. FSUIPC 4 is for FSX. To check the version of installed FSUIPC, see relevant number in the screen shot images. Find file "FSUIP.dll" in the "MSFS' "Modules" folder (1) and see version information of the file properties (2).

Following screen shot image is taken in Windows XP and FS 2004. FSUIPC's version number should be 3.7 or above.



FSUIPC for FS 2004, can be re-installed easily. Download the latest version of FSUIPC 3.XX at Peter Dowson's official home page. Extract "FSUIPC.dll" in the downloaded zip archive and copy into the "Modules" folder (or replace with, if it's exists).

Following screen shot image is taken in Windows 7(Vista) and FSX. FSUIPC's version number should be 4.7 or above.



Installation procedure of FSUIPC4 is a bit different from version 3. It is installing executable. Download latest version of FSUIPC 4 at Peter Dowson's official home page. Extract "Install FSUIPC4.exe" in the downloaded zip archive and run it. Installation procedure will be preceded with finding FSX path and coping "FSUIPC4.dll". Finally, it'll be prompted for registration code input. Then, press "Cancel" button.

VRiSim

1. Introduction

VRISIm is application software managing VRInsight's flight simulation hardware panels. **VRISIm** can be used in replacement of SerialFP2. Multiple hardware panels can be used with single instance of **VRISIm**.

To reduce distributing file size, software installer is supplied as divided package; basepackage and device specific module package. The base-package installs only **VRiSim** and **Panel Installer** utility.

VRiSim is applicable for Microsoft's Flight Simulator.

2. VRiSim Installation

Installer executable is divided into base package and device specific modules. **VRiSim** is included in the base-package setup installer, "Install_VRiSim.exe".

The base-package installer can be found in the supplied DVD,

\VRiSim\Install_VRiSim.exe

Or downloaded at VRInsight's web-page, http://www.vrinsight.com/devel_shot

Step 1. Run Base-Package Installer

Run base-package installer "Install_VRiSim.exe" by double clicking.



Install_VRiSim.exe

Press Next button on VRiSim setup wizard window



Step 2. License Agreement

Read License Agreement and check "Accept agreement" radio button. Then press "Next" button to precede installation.

YRi Setup - YRiSim	
License Agreement Please read the following important information before continuing.	
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
SerialFP2 License	
Except where otherwise noted, all of the documentation and software included in the Inno Setup package is copyrighted by VRinsight.	
Copyright (C) 2008 VRinsight. All rights reserved.	
This software is provided "as-is," without any express or implied warranty. In no event shall the author be held liable for any damages arising from the use of this software.	•
I accept the agreement	
C I do not accept the agreement	
< Back Next >	Cancel

Step 3. Select Destination Location

Keeping default destination location of installed folder is highly recommended. Press "Next" button.

VRi Setup - YRiSim
Select Destination Location Where should VRiSim be installed?
Setup will install VRISim into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files (x86)\VRInsight Browse
At least 11.4 MB of free disk space is required.
< Back Next > Cancel

Step 4. Select Menu Folder

Select Menu folder name as default "VRInsight" and press "Next" button.

VRi Setup - VRiSim
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
WRInsight Browse
< Back Next > Cancel

Step 5. Create a desk-top icon

Check "Create a desk-top icon". **VRiSim** icon will be created after installation. Press "Next".

VRi Setup - VRiSim
Select Additional Tasks Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing VRISIm, then click Next.
Additional icons:
Create a desktop icon
< Back Next > Cancel

Step 6. Ready to install

Now ready to install VRiSim. Review installation setting and press "Install" button.

VRi Setup - VRiSim
Ready to Install Setup is now ready to begin installing VRISim on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location: C: \Program Files (x86)\VRInsight
Start Menu folder: VRInsight
Additional tasks: Additional icons: Create a desktop icon
< Back Install Cancel

Step 7. Installing

Files are extracted and copied into destination folder during installing step. Animated bar-graph is showing installing process.

VRi Setup - VRiSim	
Installing Please wait while Setup installs VRISim on your computer.	
Extracting files C:\#Program Files (x86)\#VRInsight\#Drivers\#CDM20814_Setup.exe	
	Cancel

Step 8. Information

Read this information of sales and tech-support e-mail address, VRinsight's website. Press "Next" button.

^{VRi} Setup - VRiSim	
Information Please read the following important information before continuing.	
When you are ready to continue with Setup, click Next.	
SerialFP2:Flight Simulation Cockpit Panel	-
VRinsight for your dream supplier! Contact <u>http://www.VRinsight.com</u> Sales Support: sales@vrinsight.com Tech Support: tech@vrinsight.com Tel: +82-31-284-7090	
HISTORY	
Releases Sep., 18, 2010 - New Serial port driver from FTDI Chips, CDM 2.08.02 - "PCT", Prop-Cockpit-Trainer software, * Speed-Up response time * Fixes irregular reactions of yoke and flaps	
Next >	

Step 9. Install USB-Serial Driver

VRInsight's flight panel is connected to PC's USB port and communicated via serial port. By check "Install USB-Serial Driver", the driver software will be installed automatically at the finishing phase of installation procedure. The USB-Serial Driver can be installed separately to the **VRiSim** installation. Optionally, visit Pete Dowson's web page to get latest version of FSUIPC modules.

VRi Setup - VRiSim		
	Completing the VRiSim Setup Wizard	
	Setup has finished installing VRISIm on your computer. The application may be launched by selecting the installed icons.	
	Click Finish to exit Setup.	
☑ Install USB-Serial Driver		
	✓ Visit Pete Dowson's FSUIPC Page	
	< Back Finish	

NOTE: Install device specific module

The base-package installer only installs basic utilities; "VRiSim" and "Panel Installer". Additionally device specific module must be installed. These installers are found in the supplied DVD under the folder named "\VRiSim". Or downloaded at VRInsight's web-page, <u>http://www.vrinsight.com/devel_shot</u>

3. MCP Combo II module Installation

MCP Combo II module is included in the "Install_MCP-II_Combo.exe".

The base-package installer can be found in the supplied DVD, \VRiSim\Install_MCP-II_Combo.exe

Or downloaded at VRInsight's web-page, http://www.vrinsight.com/devel_shot

Step 1. Run MCP-II Combo Installer



Run "Install_MCP-II_Combo.exe"

Press Next button on VRiSim/MCP-II Combo setup wizard window



Step 2. License Agreement

Read License Agreement and check "Accept agreement" radio button. Then press "Next" button to precede installation.

TRI Setup - VRISIm/MCP-II Combo	X
License Agreement Please read the following important information before continuing.	
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
/RiSim/SerialFP2 License	×
Except where otherwise noted, all of the documentation and software included in the Inno Setup package is copyrighted by VRinsight.	E
Copyright (C)2012 VRinsight. All rights reserved.	
This software is provided "as-is," without any express or implied warranty. In no event shall the author be held liable for any damages arising from the use of this software.	-
I accept the agreement	
 I do not accept the agreement 	
<back next=""> C</back>	ancel

Step 3. Select Destination Location

Keeping default destination location of installed folder is highly recommended. Press "Next" button.

III Setup - VRISim/MCP-II Combo
Select Destination Location Where should VRISim/MCP-II Combo be installed?
Setup will install VRISim/MCP-II Combo into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\#Program Files (x86)\#VRInsight Browse
At least 7.4 MB of free disk space is required.
< Back Next > Cancel

Step 4. Select Menu Folder

Select Menu folder name as default "VRInsight" and press "Next" button.

IRI Setup - VRISIm/MCP-II Combo	
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start N To continue, dick Next. If you would like to select a different folder, dick	
VRInsight	Browse
< Back Next >	Cancel

Step 5. Ready to Install

Now ready to install MCP-II_Combo module. Review installation setting and press "Install" button.

IRi Setup - VRiSim/MCP-II Combo	
Ready to Install Setup is now ready to begin installing VRiSim/MCP-II Combo on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:₩Program Files (x86)₩VRInsight Start Menu folder: VRInsight	^ ~
٠	Þ
< Back Install	Cancel

Step 6. Installing

Files are extracted and copied into destination folder during installing step. Animated bar-graph is showing installing process.



Step 7. Information

Read this information of sales and tech-support e-mail address, VRinsight's web-site. Press "Next" button.

🔢 Setup - VRiSim/MCP-II Combo	
Information Please read the following important information before continuing.	3
When you are ready to continue with Setup, click Next.	
VRiSim:Flight Simulation Cockpit Panel	
VRinsight for your dream supplier! http://www.VRinsight.com	
Download latest version: http://www.VRinsight.com/devel_shot	
Contact Sales Support: sales@vrinsight.com Tech Support: tech@vrinsight.com Tel: +82-31-284-7090	
Next >	

Step 8. Complete MCP-II Combo module setup

MCP-II Combo module setup is done. Optionally, run "Panel Installer" to configure the aircraft.



4. Connecting VRInsight's Flight Panel/Re-install driver software

Plug MCP Combo II – Boeing MCP - USB connector into PC's USB port. As new device is connected to PC, it'll try to install device driver software.



Already the driver software was installed during **VRiSim** software installation, the new device is recognized as "USB Serial Port(COMx)". Following picture is an example of success message for the new VRinsight's flight panel hardware that is recognized as COM3.



When it fail to install driver software, re-install driver software.



USB-Serial port driver software can be re-installed separately to the **VRiSim** software installation. Driver installer can be found where the **VRiSim** is installed (i.e. C:\Program Files (x86)\VRInsight\Drivers). It is "CDM20XXX_Setup.exe" named with software version.



Re-installation of USB-Serial driver is simply to run this installer. Disconnect all VRInsight's flight panel from the PC before running the driver software installer. Temporarily a window is prompted showing "Installing driver......" and ended with completion message. This prompted window will be closed as its completion.

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As the driver software installation is done, connect VRinsight's panel to PC's USB port. The VRi panel will be recognized successfully as Serial Port(COMx). Serial port's COM number would be varied to the PC's hardware configurations. Recognized serial port and its COM number for the panel can be confirmed via "Device Manager".



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When it's listed as unknown device or exclamation mark on the USB serial port device, reinstall the driver software.

5.Run VRiSim Software

VRiSim is managing software for VRinsight's Flight panel application. It interfaces between flight panel hardware and Microsoft's Flight Simulator.

Run **VRiSim** by double-clicking the icon on desk-top.



Multiple VRi's flight panel hardware can be managed with single **VRiSim** instance. When **VRiSim** is launched for the first time, it tries to find all VRinsight's devices connected. Searching procedure could take several minutes.

Searching VRi Devices

Following message would be displayed as any device is found and connected successfully,

VRi Device Found:MCP-II Combo/Boeing

Following picture is showing 3 devices, MCP Combo II – Boeing MCP -, GPS-5 and CDU-II, are found and connected to **VRiSim**. Each device is listed as separated tab.



Copyright ©2012 **VRin/ight** www.vrinsight.com By clicking device tab, VRi Flight Panel's connected information can be checked.

VRiSim: 3 -De	evice Found!		
Main (MCP-II Com	nbo/Boeing CDU II	Re-Scan VRi Device ± GPS-5
Port:	COM23	Type: MCP2B	Version: 1.100
Selec	t Aircraft		_
	this device	- Traicitor	MSFS Loading
	or Non-MSI	FS 🔽 Open Co	onfig Dialog
Test	& Debug		
Rea	id 🗆	Write	
VR.		Fly now!	Virtual Kealites

When any of devices that is already connected to PC's USB port and is not listed with device tab, try re-scan VRi device. This re-scan procedure would take several minutes. Found and connected device list will be saved for the next flight.

VRISIm: 3 -Device Found!	
	Re-Scan VRi Device +

The base-package installer has only **VRiSim**. If additional device specific module is NOT installed, aircraft selection box will be blanked as showing message "NO AIRCRAFT LISTED".

,.	J	1
NO AIRCRAFT LISTED		•

Additionally device specific module should be installed. Then, supported aircrafts are listed in the aircraft selection box. Device specific module installer is supplied with DVD or can be downloaded at the VRInsight's web-page.

Drop down aircraft selection box to select an aircraft to fly with a flight panel listed.

	Port: COM23	Type: MCP2B	Version: 1.100		
	Select Aircraft			•	
	Microsoft Origin	al B738(FSX)			
	Microsoft Origin	al A321(FSX)			
	PMDG B737NG(FS9)			
	PMDG B737NG/	744(FS9)		Ξ	
	Level-D B763-SF	P3(FS9)			
	Level-D B763-SF				L
7	iFly B737NG (FS				2
	PMDG B737NGX				:µo lit
	iFly B737NG/Use	er		-	

Aircraft must be selected in the each device tab. Then, press "Fly now!" button. When aircraft is NOT selected for the device, following message is displayed in the Main tab. Once aircraft is selected, selection is saved for the next flight.



Microsoft's Flight Simulator must be running before pressing **VRiSim**'s "Fly Now!" button. Otherwise, following message will be displayed in the Main tab.

```
Main MCP-II Combo/Boeing CDU II GPS-5
```

Flight Simulator is NOT running...

Run Flight Simulator and Cockpit in Press "Fly now!" when ready

> (c)2011 VRInsight Release. 2012.02.10

To exclude a device to fly with the aircraft, un-check the box titled "Use this device" in the device tab. This box is un-checked if device specific module software is not installed and no aircrafts are listed.

✓ Use this device

Copyright ©2012 **VRin/ight** www.vrinsight.com By checking and/or un-checking the boxes in the "Test & Debug", commands and messages between **VRiSim** software and the panel hardware are monitored as debugging purpose. To do this, fly a configured aircraft by the **Panel Installer** in "Flight Simulator 2004" / "Microsoft Flight Simulator X" and run **VRiSim**.

Test & Debug		
Read ☞ MCPHDG +	Write 🗵 HDG025	Т
Panel Installer

1. What is "Panel Installer"

To make VRi's flight panel work with MSFS aircrafts, aircraft's panel configuration file, *panel.cfg*, and related initialization file, **.ini*, need to be modified. When this process is not done properly, MCP Combo II Boeing version will not work. "**Panel Installer**" does this modification properly.

With **Panel Installer**, when you select proper path, product, aircraft, this process will be a piece of cake.

VRinsight's Panel/Aircraft Setup for FSX		
C:₩Program Files (x86)₩Microsoft Games ₩Microsoft Flight Simulator : Browse		
-2:VRinsight Panel MCP-II Conductor - 3:Aircraft iFly B737NG (FS9/FS)		
Status Nothing to install panel for this aircraft! 5		
ОК		

- 1. **MSFS-Root Path:** Browse the path where "Flight Simulator 2004" or "Microsoft Flight Simulator X" is installed.
- If "Flight Simulator 2004" 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 (x86)₩Microsoft Games₩Microsoft Flight Simulator : Browse			
2:VRinsight Panel 3:Aircraft 4:Run Select Panel Vilco Airbus Series(FSX) Install			
MSFS Folder NOT Found Please specify MSFS Install Folder			
ОК			

Copyright ©2012 **VRin/ight** www.vrinsight.com **NOTE :** Even if the default **MSFS-Root Path** of the **Panel Installer** shows the same folder as yours, press **Browse** and press "**OK**"

Browse for MSFS Root Path	x
⊳ 🌗 KeySharp 🎴 launten	
 ▶ ▲ LGDacom ▶ ▲ MarkAny ▲ mggikrjef 	
 Microsoft Games Microsoft Flight Simulator X Addon Modules Addon Scenery Autogen 	
U Categories ▶ U charts U Config U Dialogs	Ŧ
OK Canc	el

- 2. VRinsight panel: Select MCP-II Combo.
- 3. Aircraft: Select your aircraft.
- 4. Run: Copy & paste all necessary panel data to work MCP Combo II Boeing MCP automatically.
- 5. Status: Inform current status.

2. How to start "Panel Installer"

Run "Panel Installer" that can be found in the program group "VRInsight".

- A. Go to Windows "Start"
- B. Find program group "VRinsight"
- C. Click "Panel Installer"

IMPORTANT NOTE: <u>"Run As Administrator"</u>

Windows 7 and Vista has more intensive security policy for system safety from accidental corruption of system files. A user can't access system folder (i.e. "Program Files", "Windows") for reading and writing, even if he/she has administrator's privilege. To access these folders, he/she must be "Administrator".

"**Panel Installer**" or "**VRiSim**" try to access system folder to know where FSX/FS 2004 is installed. But it could be blocked if it's not "Run As Administrator". So, please do as following procedure to run software,

- (1) Go to "Start" and find program group "VRInsight"
- (2) Place mouse pointer upon "Panel Installer"

- (3) Click right mouse button
- (4) Click "Run As Administrator"



VRInsight VRInsight VRInsight VRInistall CDU-II N Uninstall FCU Con Uninstall FCU Con Uninstall GPS-5 M Uninstall JetPit Mc Uninstall MCP-IC Uninstall MCP-II C Uninstall Prop Cor Uninstall Prop Cor Uninstall Prop Cor Uninstall Prop Cor Uninstall Radio-St Uninstall Radio-St Uninstall V737_OV Uninstall VRISim VRISim CDU-II CDU-II	Open Operfile Artion Run as administrator Pin to Start Menu Add to Quick Launch Restore previous versions
	Send To
FCU Combo GPS-5 JetPit MCP_Combo Search programs and fi	Default Programs

You'll see a UAC message if you try to "run as administrator". Press "Yes" to allow the software running.



Want to know more about UAC (User Account Control)? http://en.wikipedia.org/wiki/User_Account_Control

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PMDG 737NGX

To use PMDG 737NGX with MCP Combo II – Boeing MCP -, carefully read below **SDK Document** by PMDG.

ENABLING DATA OUTPUT

The PMDG 737NGX is already set up to listen for control events that may originate from an external application. However, since providing state data to third party applications does consume a small amount of processor attention, we have disabled this communication output by default since the vast majority of our users will not be using SDK driven applications.

To enable the data communication output, you will need to open the file **737NGX_Options.ini** that is located in the folder <FSX ROOT>\PMDG\PMDG 737 NGX

Once this folder is open, add the following two lines to the bottom of the file:

[SDK] EnableDataBroadcast=1

When you release your product to customers, it will be necessary for your application installation to set this parameter on the customer's installation, else they will not see data connectivity between your application and the PMDG 737NGX.

NOTE : Before installation, carefully read "**PMDG SDK EULA**" & "**ENABLING DATA OUTPUT**" and follow all instructions of **PMDG.** You can download them at <u>http://www.vrinsight.com/devel_shot/</u>

Thank you for the SDK of PMDG 737 NGX!!!

X-Plane (v9 / 32bit only & v10 32 bit / 64 bit)

To use your MCP Combo II - Boeing MCP - with X-Plane v9 /v10, you need to follow the below instruction

1. Visit the below web-site and download XPUIPC which supports X-Plane v9 (32 bit only) & for X-Plane v10 (32 bit & 63 bit)

http://www.tosi-online.de/XPUIPC/XPUIPC.html

2. Follow the instruction included in readme.txt file in order to install XPUIPC to X-Plane.

3. Run X-Plane

4. Run VRiSim. Go to the MCP-II Combo/Boeing tab and select "X-Plane Original Aircraft (XPUIPC)I" in the "Select Aircraft" list.

Control Assignment







GPS DRIVE NAV1







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