

OVH737FWD_NG (MAX) – ETHERNET Version

The package include the OVH737FWD_NG (MAX), the power supply and the Ethernet 3mt cable. In case bought with cover also screws and all you need to fix



Verify the classful of your network

If your network is already a “C” class (normally are “C” class) you have only to check that the 192.168.1.50 is a free address and not already used from some other computer or device. Refer to the table below to see what is your network class.

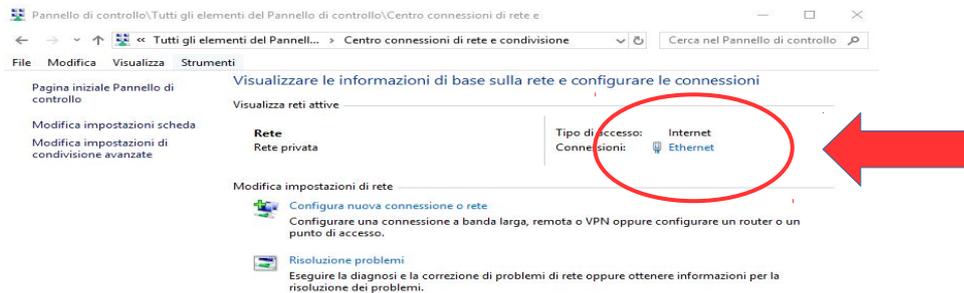
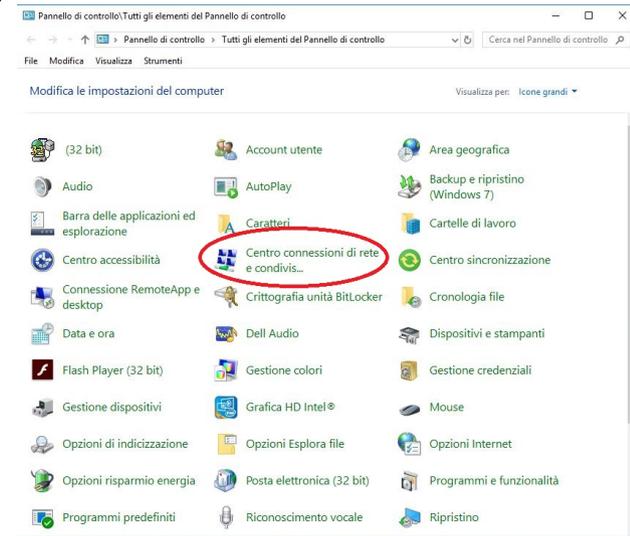
Differently if your network belong to an other class you need to modify the OVH737FWD_NG (MAX) ip address to match with the class network. For example if your network is a “B” class and the ip address of your PC is 128.95.1.10 you need to modify the MCP ip. For exemple with this value 128.95.1.50.

Remember to modify this value into the ini file too.

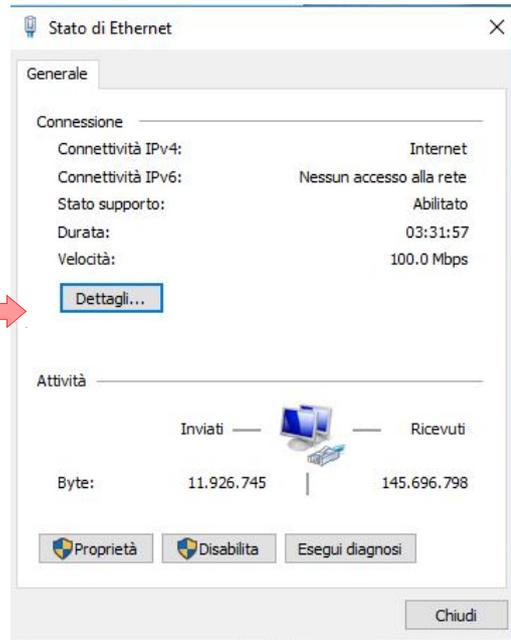
| Class | Start Bit | <u>start interval</u> | End interval |
|---------------|-----------|-----------------------|-----------------|
| A | 0 | 0.0.0.0 | 127.255.255.255 |
| B | 10 | 128.0.0.0 | 191.255.255.255 |
| C | 110 | 192.0.0.0 | 223.255.255.255 |
| D (multicast) | 1110 | 224.0.0.0 | 239.255.255.255 |
| E | 1111 | 240.0.0.0 | 255.255.255.255 |

Check the classful of your network

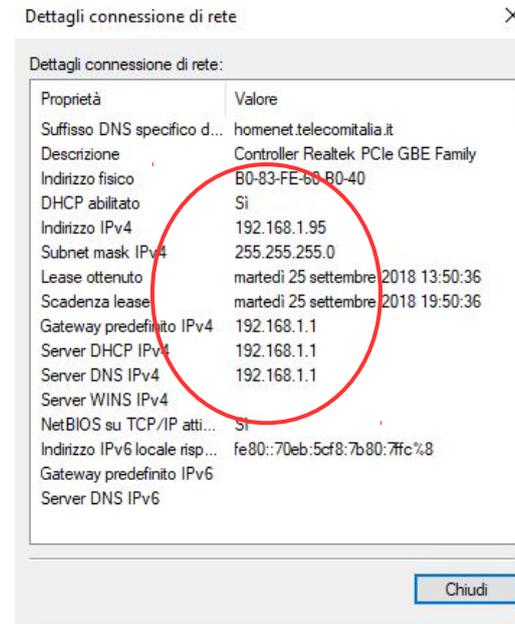
Open the control panel and select “network and sharing center” like in the image at side



Select Details →



....and

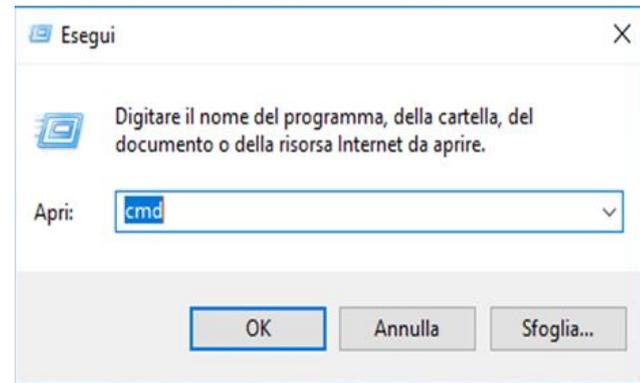


In this example the network class is “C” and the computer ip is 192.168.1.95, so the default MCP address (unless there is another computer or device with this address in the network) should already work.

Test the connectivity

To check if the OVH737FWD_NG (MAX) is now able to receive and send command in your network you can use the ping command

Execute “run” utility and in the window write the command cmd.



In this window write the command ping 192.168.1.50 and if all is ok you will be able to read that four message are sent and four message are received

```
C:\WINDOWS\system32\cmd.exe
C:\Users\Paolo>ping 192.168.1.40

Esecuzione di Ping 192.168.1.40 con 32 byte di dati:
Risposta da 192.168.1.40: byte=32 durata<1ms TTL=128

Statistiche Ping per 192.168.1.40:
    Pacchetti: Trasmessi = 4, Ricevuti = 4,
    Persi = 0 (0% persi),
Tempo approssimativo percorsi andata/ritorno in millisecondi:
    Minimo = 0ms, Massimo = 0ms, Medio = 0ms

C:\Users\Paolo>
```

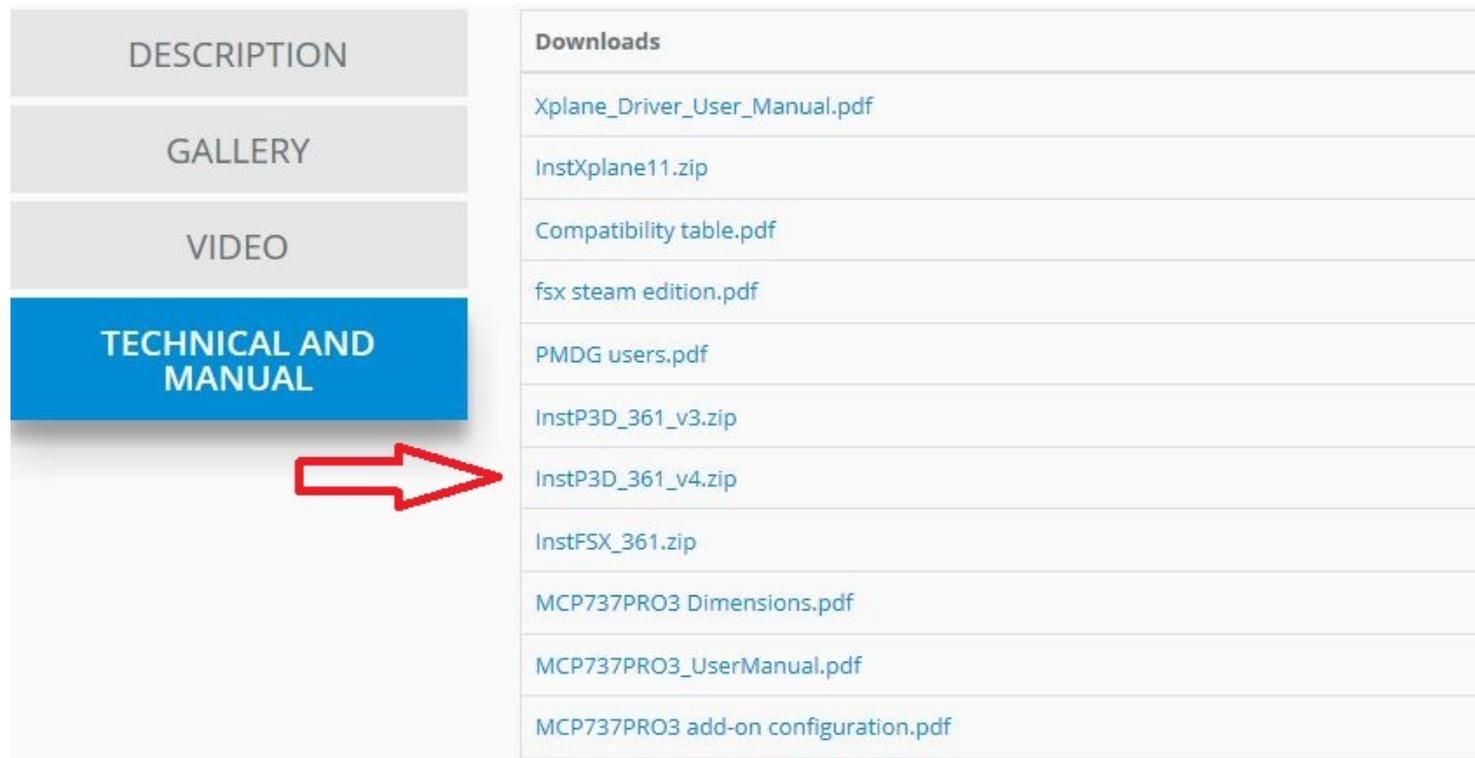
Download the communication driver

From CPflight web site download the communication driver, take care to select the right version because have to match with the simulator version installed on your computer. In this example was the version for P3D V4. **The Cpflight driver MUST be always installed on your PC (also if you flight with other add-on like Prosim737, Project Magenta ecc) because include important tools used for the first hardware setup and also to test it.**

Is mandatory to install the Cpflight driver under the simulator folder, differently the simulator will not add the Cpflight menu to the add-on menu bar of the simulator.

If, for example, you have installed FSX under C:\ you have to install the driver like a subfolder of FSX so in this case you have c:\Microsoft Flight SimulatorX\CPflight.

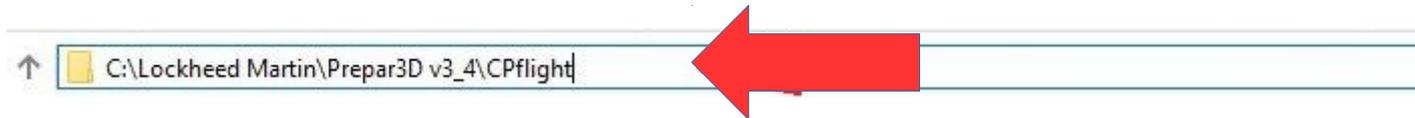
In case of P3D c:\LockHeed\Martin\Prepar3D Vx\CPflight. In case of Steam edition c:\Steam\Steamapps\Common\F SX\CPflight



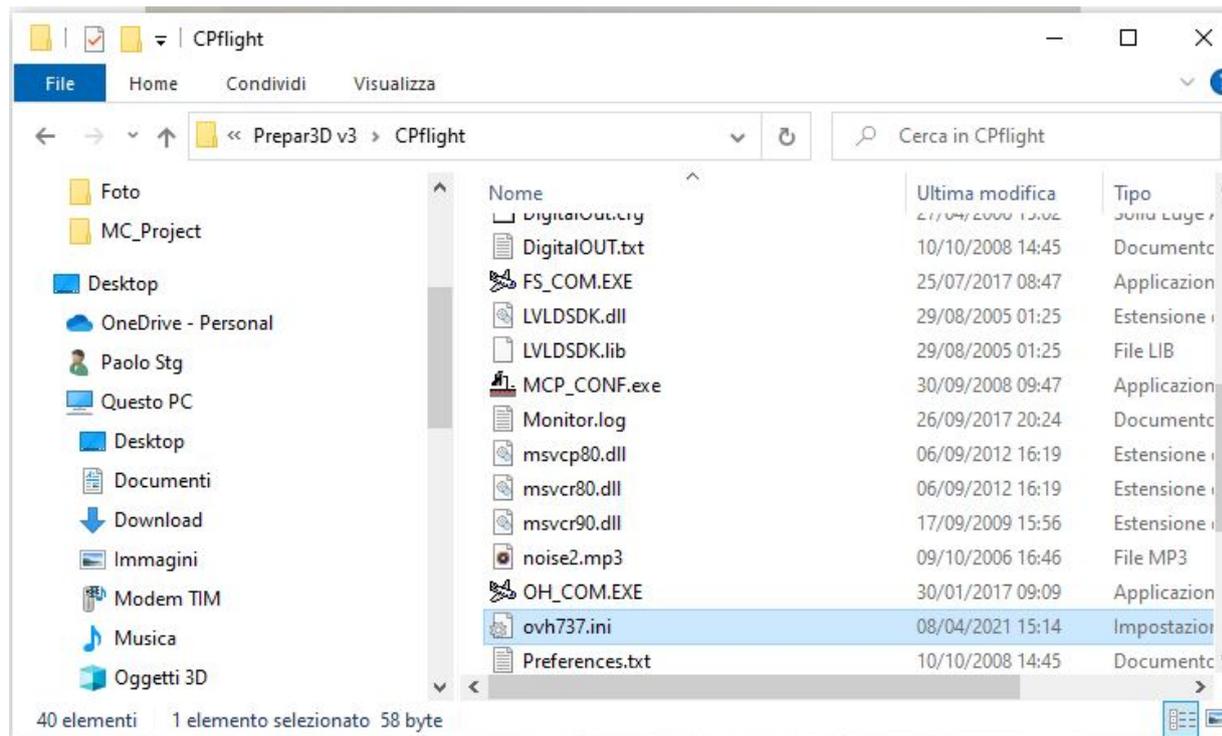
| DESCRIPTION | Downloads |
|-----------------------------|---|
| GALLERY | Xplane_Driver_User_Manual.pdf |
| VIDEO | InstXplane11.zip |
| TECHNICAL AND MANUAL | Compatibility table.pdf |
| | fsx steam edition.pdf |
| | PMDG users.pdf |
| | InstP3D_361_v3.zip |
| | InstP3D_361_v4.zip |
| | InstFSX_361.zip |
| | MCP737PRO3 Dimensions.pdf |
| | MCP737PRO3_UserManual.pdf |
| | MCP737PRO3 add-on configuration.pdf |

Install the driver

If you are P3D user please be sure to install the driver under the simulator folder (like in the example below), differently will not appear the cpflight menù into the add-on menu bar. For FS2020 users no need necessary to install into specific folder, you can instal for example also in c:\CPflight

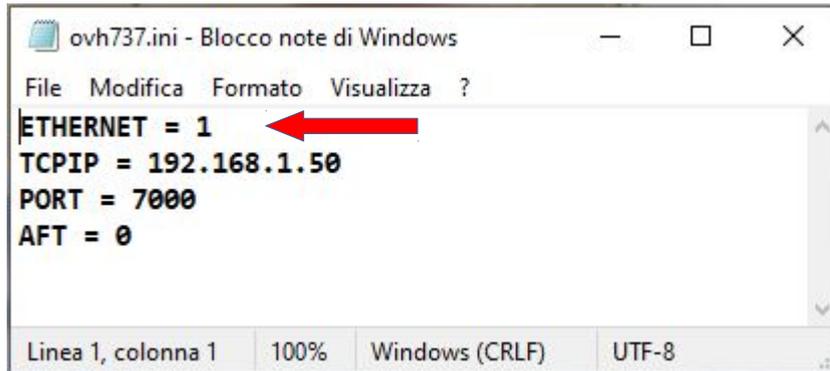


Into this folder search and open the file OVH737.ini



Configure the OVH737.ini file

Set the ETHERNET flag to 1...



```
ovh737.ini - Blocco note di Windows
File Modifica Formato Visualizza ?
ETHERNET = 1
TCPIP = 192.168.1.50
PORT = 7000
AFT = 0
Linea 1, colonna 1 100% Windows (CRLF) UTF-8
```

.... save and close the file

Verify the OVH737FWD connection

Now you are finally ready to use your OVH737PWD but before use with the simulator is warmly suggested to make a short test using the test application. This allow you to verify that the setup is correct indipendently by the simulator or addon used. Run the program TESTCP_OH.exe that you can find always into cpflight folder. The Overhead will start and after few second you will be able to check all the OVH functionality. Is not necessary to test all the funcnality, only few thinks just the veridy that the connection is ok.

Click with your mouse on the OVHFWDD or OVHAFT image to open the test window



Connect the MCP to Simulator

Now you are finally able to use your OVH737FWD with P3D or FSX (or FS2020)in combination with the most used add-on but before is better to verify your simulator version and the installations of all the feature.

For FS2020 users: Browse into your Cpflight\lib folder and run the simconnect.msi installer. This installation will start and will require only few seconds.

For FSX users be sure to have installed the FSX SP2.

For P3D users be sure to have installed SimConnect files. Simconnect is not installed automatically. Must be installed by the user. The P3D program must be not active during this installation.

To allow the Cpflight driver (that use simconnect sdk) to work properly with P3D please browse in your system on the folder where you installed P3D and find this path:

...\Lockheed Martin\Prepar3D vX\redist\interface\FSX-SP2-XPACK\retail\lib\ and double click on the simconnect.msi file. This installation will start and will require only few seconds.

Run now the simulator. The first time after the Cpflight driver installation FSX or P3D will ask you if you want to load the file CPF_DLL_FSX.dll. Please agree and confirm.

After that you will be able to see into FSX or P3D add-on menù bar the Cpflight menù. If you do not see the Cpflight menu probably there is something wrong into dll.xml file. So please check:

FSX (or FS Steam) users: check into this path c:\Users\Your PC name\AppData\Roaming\Microsoft\FSX

P3D users: check into this path c:\Users\Your PC name\AppData\Roaming\Microsoft\Lockheed Martin\Prepar 3D vX

Verify that this instructions are into the dll.xml file (Note that Appdata is an hide folder so you need to enable the system to show the hide files and folder):

```
.....  
.....  
<Launch.Addon>  
<Name>CPF_Menu_FSX</Name>  
<Disabled>False</Disabled>  
<Path>CPflight\CPF_DLL_FSX.dll</Path>  
</Launch.Addon>  
.....  
...
```



For iFly737 users from addon menu open Cplflight menu and run the driver OH_COM and select Connect into driver menu bar. Wait about 10 seconds to allow to the OVH737FWD to start and to synchronize the simulator data





For FSX or P3D users: you need to enable the sdk communication. Please browse to you FSX or P3D folder and open with a text editor the file 737NGX_Options.ini located into c:\...\Your Simulator folder\PMDG\PMDG737NGX. To the bottom of this file please add this 2 lines:

[SDK]
EnableDataBroadcast = 1

After that save and close the file and run your simulator loading a PMDG flight. Select Connect button into OH_COM window and wait about 10 seconds to allow to the hardware to start and to synchronize the simulator data.

For FS2020 users please refer to this video:<https://youtu.be/A5aQKhORzjM>



XP11/XP12

XP11/XP12 users can interface the Cpfight OVH737FWD using Midwest737Simulation driver from this web page:

<https://www.midwest737simulations.com/cpflight-plugin-for-x-plane.html>

Browse into Midwest737simulation web site for more informations

This driver allow to interface with Zibo737-800, IXEG B737-300, X737 and Threshold LevelUP 737-600NG, -700NG, -800NG, -900NG and -900BR.

Also Standard X-Plane 737 is managed by the driver but due to lack of important features we suggest using Zibo.



FOR PROJECT MAGENTA USERS

To enable communication with Project Magenta and OVH737FWD open “pmsystems.ini” file located into MCP folder using a text editor.

Into pmsystem.ini file search the key CpflightIP. As default the CPFlightIP will be equal to 0.

Please insert the IP address on the MCP for example:

CpflightIP = 192.168.1.50.

The line CPPort will be already setted on number 7000.

Save the mcp.ini file and close it.

To start-up the OVH737FWD you need only to run Project Magenta MCP software.

If your intention is to use Cpflight hardware with Project Magenta software, due to upgrades and Changes, for more details and information we warmly suggest to ask directly to Project Magenta Support.