EasyFMC Mobile

EasyFMC Mobile - Introduction

What is EasyFMC?

As its name says, **EasyFMC** is a simplified Flight Management Computer that can be easily used with any aircraft in Flight Simulator (FSX, Prepar3D or FS2004). As it uses the internal navigation database in FSX/P3D/FS2004, it does not require any additional database. A complete description and documentation is provided to describe and explain all the features of this Flight Management Computer, which is provided with 2 different look-and-feel: Airbus and Boeing. It is available at the followng URL: http://emarciano.free.fr/En/EasyFMC_Doc/Fplan.html

EasyFMC Mobile is a specific version of EasyFMC that makes it run in a web browser, on any device: PC, Mac, iOS or Android smartphone or tablet, iPad, iPhone, and others...

EasyFMC Mobile does not require FSUIPC. It uses a web server that must run on the same machine as the sim and the browser can run anywhere.

Compatibility:

- FSX: any edition (SP1, SP2, Accel, Gold, Steam Edition)
- Prepar3D version 3 (please contact me here if you want a P3D v2 support)
- FS2004 (version fs9.0 or 9.1)

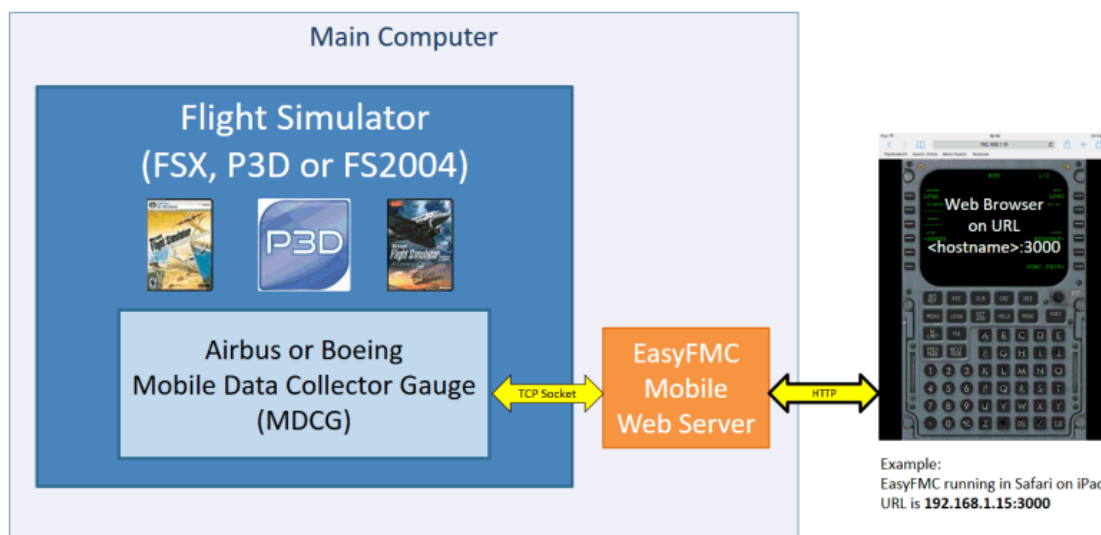Requirements:

- None

How does it work?

EasyFMC Mobile uses the simulator (FSX/P3D/FS2004) internal navigation database so it needs to have a gauge running into the simulator to collect the navigation information and provide it to the web server. This gauge is called a Data Collector Gauge Mobile (or DCGM).
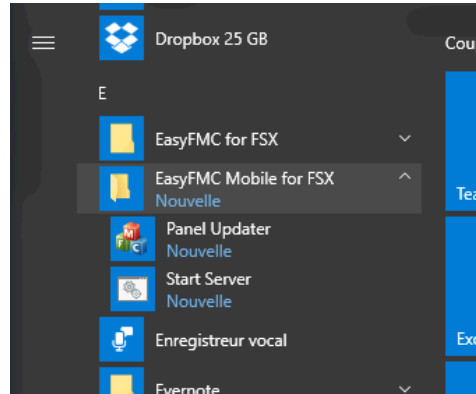
This images illustrates the way it works :

Example:
EasyFMC running in Safari on iPad
URL is **192.168.1.15:3000**

EasyFMC Mobile - Installation and Usage

Installation

Installation is very easy, just run the automatic installer and follow the instructions. At the end of theinstallation process, the EasyFMC Mobile Panel Updater runs to let you register the key (if necessary) and add a Data Collector Gauge Mobile in an aircraft. The Panel Updater automates the modification of the panel.cfg so you don't have to do it manually. Just remember that 2 Data Collector Gauges are available, 1 for Airbus and 1 for Boeing, so you should use the one that corresponds to the look-and-feel you want to use (Airbus or Boeing).

At any time, you can launch the Panel Updater from the Windows Start menu, in the "EasyFMC Mobile for FSX" section, you have the "Panel Updater" shortcut.

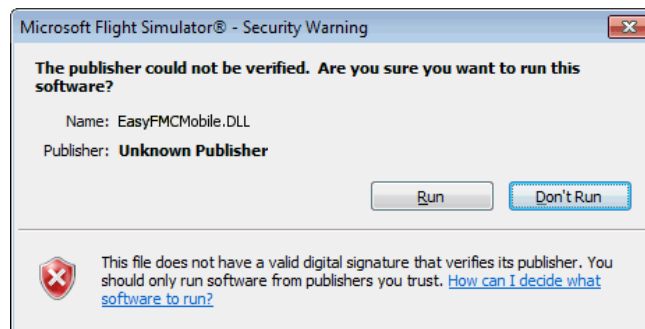For more information about the Panel Updater, please refer to the next section.

Usage

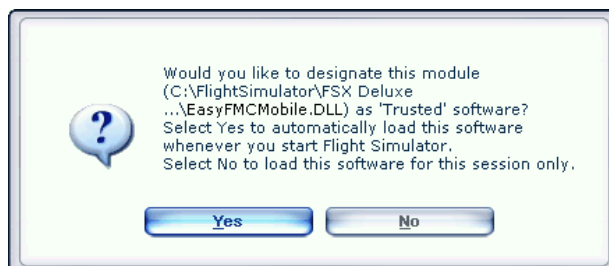Please read and follow the steps

1) Run the simulator

When this is done, you just have to run the simulator (FSX/P3D/FS2004), select an aircraft that has a Data Collector Gauge Mobile.
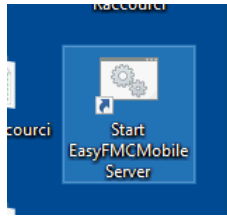The first time you do this, you will get a security warning like this:

Just click "Run" to let it go.
To avoid seeing this message each time you run the sim, declare the gauge as a trusted module by clicking "Yes" when you see this message.
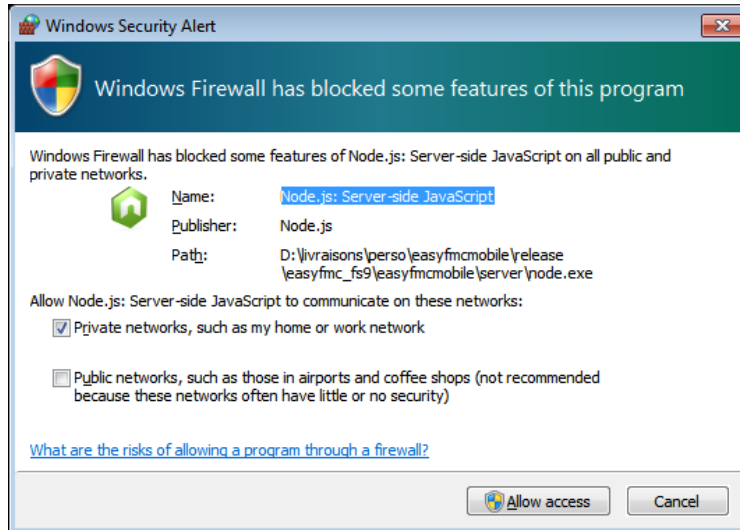

2) Run EasyFMC Mobile Server

You can do this using the Windows Start menu or easier, using the shortcut that was created on the desktop:
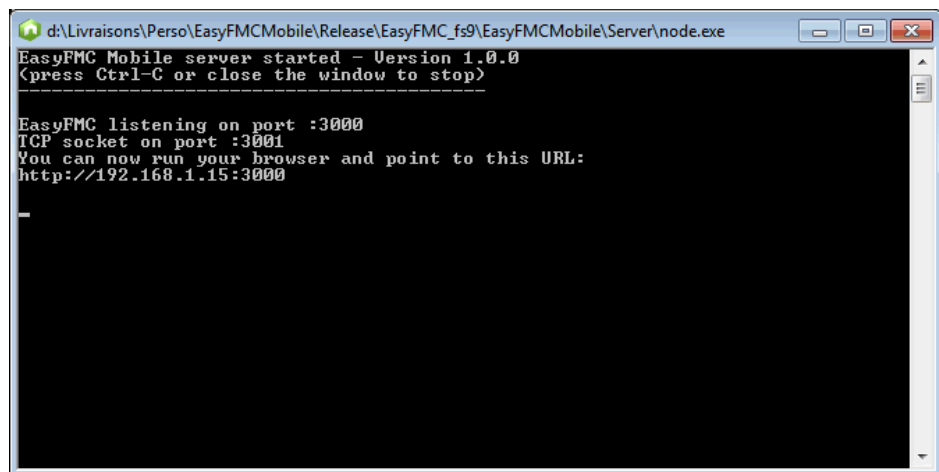
When running the Server for the first time, you may have a security warning from the Winodws firewall that looks like this:
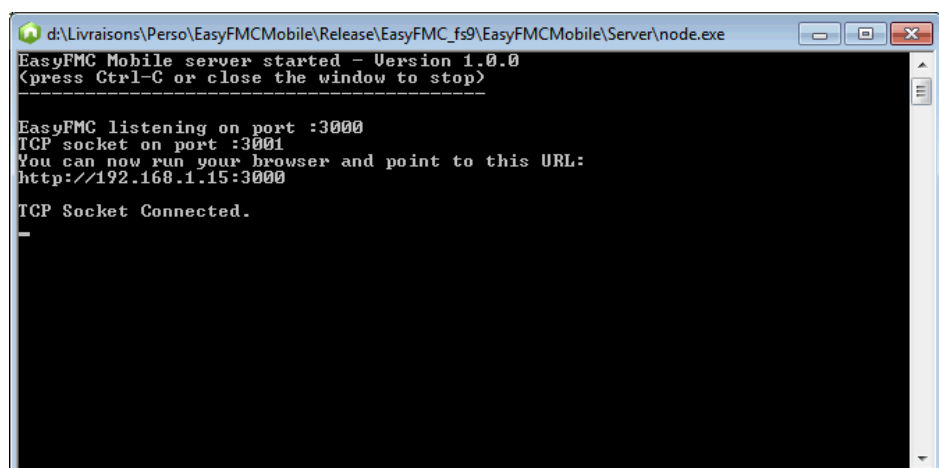

Just click "Allow access" to let the server run properly.
The Server opens a new window and indicates the URL you can use in your web browser to use **EasyFMC Mobile**.
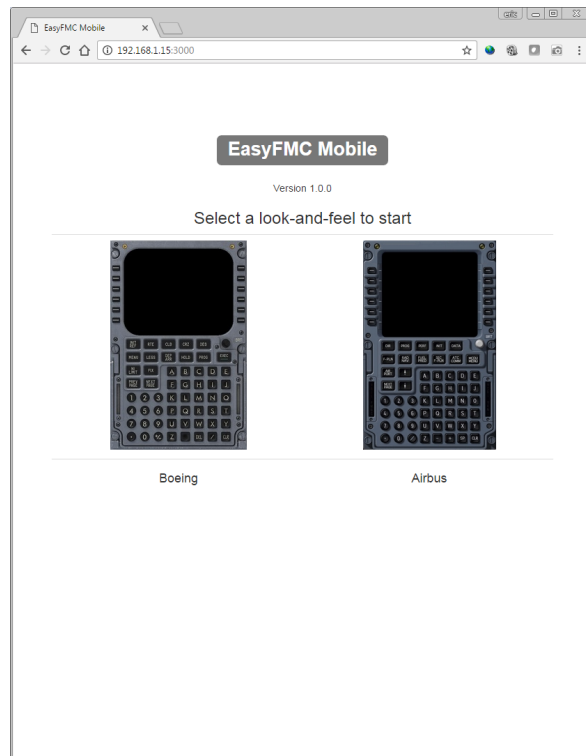

Then you can run your favorite flight simulator (FSX, P3D or FS2004) and select an aircraft in which the Data Collector Gauge Mobile has been previously installed. As soon as this is done, the Server indicates the connection (it is a TCP socket connection).

3) Run the web browser

At this time, you can run a web browser and point to the URL that is indicated by the server. In this example, it is **192.168.1.15:3000**

Just select the look-and-feel by clicking one of the FMC images and you're good to go...

You can run the browser on any networked computer or any mobile device, smartphone, tablet, it works everywhere !!
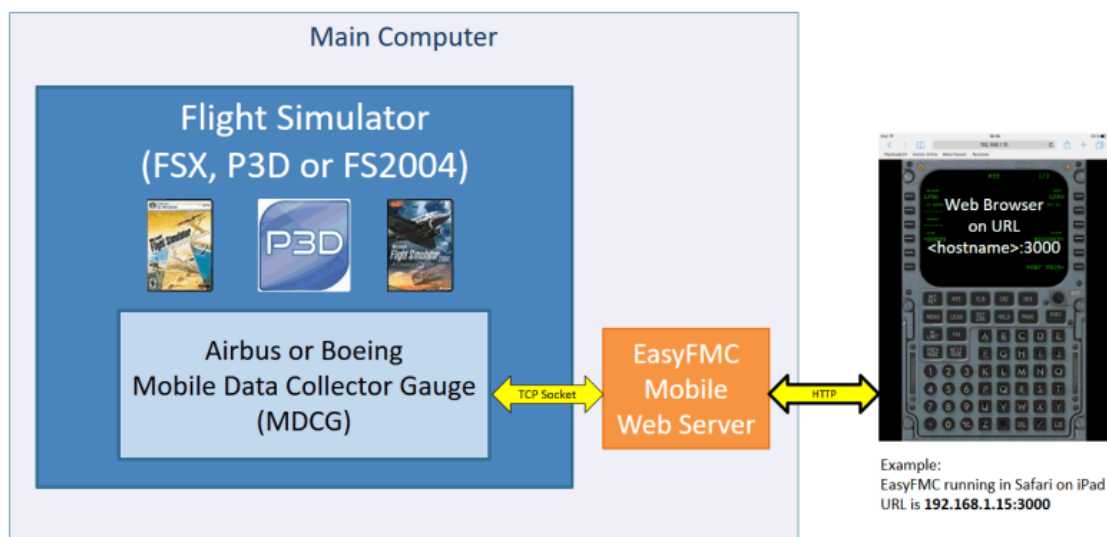

Boeing FMC on an Android smartphone
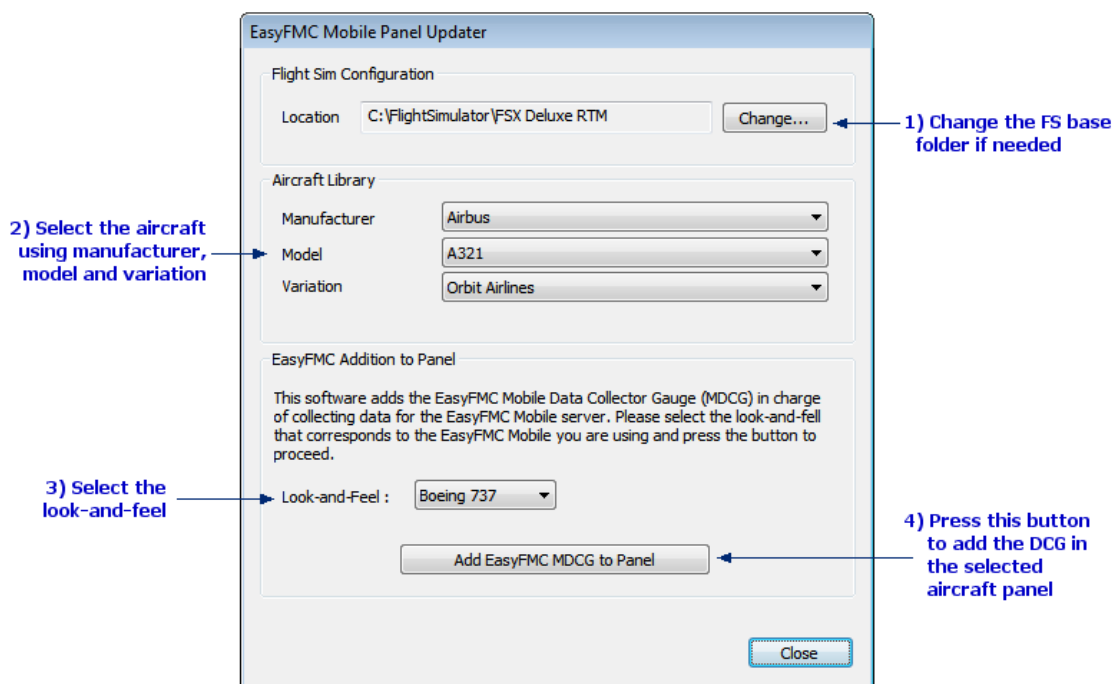

Airbus FMC on an iPad

EasyFMC Mobile Panel Updater

Automatic Gauge Installation

In order to run properly, **EasyFMC Mobile** needs to grab navigation informaiton from the simulator (FSX/P3D/FS2004). This is why a gauge must run in the simulator itself, a gauge called "Mobile Data Collector Gauge" that communicates with the **EasyFMC Mobile** Server using a TCP socket connection.

The External EasyFMC Panel Updater helps you for installing the data Collector Gauge in any aircraft. It fully automates the process and modifies the panel.cfg file for you.

Run the application through the Windows shortcut (in the EasyFMC Mobile folder). Then follow the instructions as shown in the image above:

1. The Panel Updater automatically detects the Flight Simulator installation folder, shown in 'location'. If it is wrong or empty, you can specify it manually by pressing the 'Change' button.
2. The Panel Updater reads your aircraft collection and lets you select one of them using the manufacturer, model and variation.
3. When the aircraft is selected, you can select the look-and-feel (Airbus or Boeing).
4. Press the 'Add to Panel' window. As soon as the operation is executed, the Mobile Data Collector Gauge (MDCG) is added and a confirmation window appears.

Important Notes:

- The Mobile Data Collector Gauge (MDCG) has no visual appearance. It runs without being visible so it will not impact the panel of the aircraft in which it is added.
- You must select the look-and-feel that corresponds to the EasyFMC Mobile look-and-feel you plan to use. The Airbus MDCG is designed to work with the Airbus EasyFMC Mobile look-and-feel, and the Boeing MDCG is for the Boeing look-and-feel. A mismatch would result in a strange display and inoperational FMC (see Operations section for more information)

EasyFMC Mobile - Operations

Airbus and Boeing Look-and-Feel

EasyFMC Mobile is provided with 2 different look-and-feels: 1 for Boeing and 1 for Airbus. Both look-and-feels are accessible through from the welcome page of the web browser when you point to the EasyFMC Mobile URL.

You just have to care about using the right look-and-feel, according to the Mobile Data Collector Gauge you have installed. You should avoid the wrong configurations, that are:

- The Boeing Mobile Data Collector Gauge with the Airbus look-and-feel, which result is this:

- The Airbus Mobile Data Collector Gauge with the Boeing look-and-feel:

In both cases, the display will remain like this and no key press will be operational.
If this happens, refresh the web page in the browser (F5 by default) and select the right look-and-feel.

Standard Operation

Except minor differences about the keyboard mode, **EasyFMC Mobile** works exactly like EasyFMC, so please read the EasyFMC manual for the standard operation of the Flight Management Computer.