



Opencockpits Plug & Play modules for the Level-D 767 powered by lekseecon.

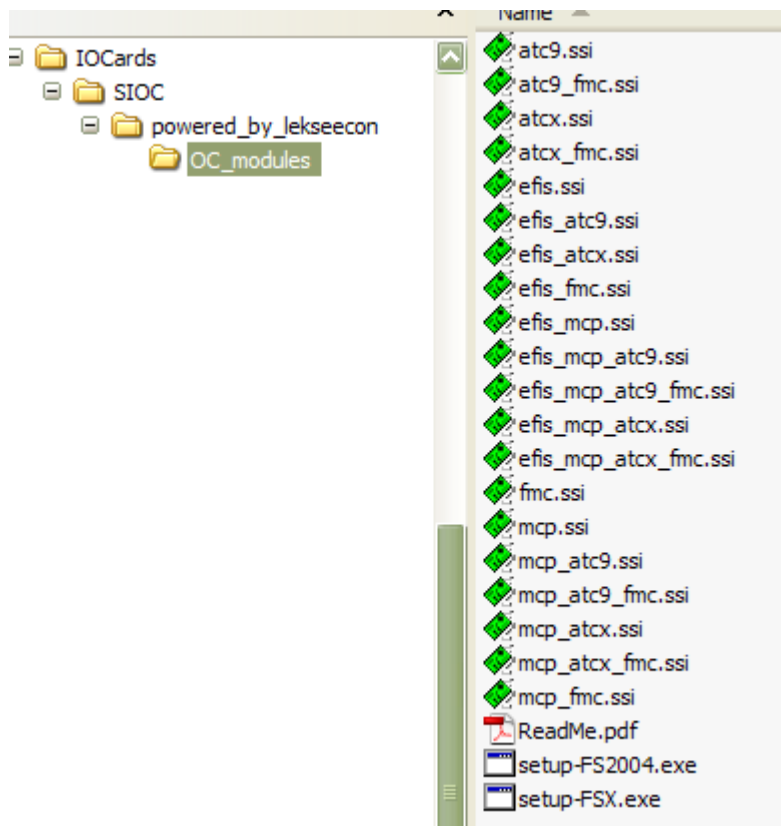
EFIS, MCP, ATC and FMC.

Version 1.4, 20 July 2010

INSTALLATION INSTRUCTIONS

[You should already have installed SIOC 3.7 beta 1+ and lekseecon 5.2+, see the instructions at my website!]

1. Check that you have unzipped in the SIOC folder, you should see this structure:



2. Check that you have plugged in all your OC modules
3. Double click either setup-FS2004.exe or setup-FSX.exe (no questions asked during execution) depending on the MS Flight Simulator version that you are using.

You have to run this program:

- The first time at installation;
- Each time you plug in or plug out an OC P&P module;
- If (and only if) you are using the ATC module:
each time you switch from running FS9 to FSX or vice versa.

This setup program will detect your OC P&P modules and it will write a fresh sioc.ini with the correct configuration parameters in the SIOC folder. Your current sioc.ini will be saved named sioc_ini_before_setup.ini

4. Run FS2004 or FSX, and load a Level-D 767 flight
5. Run SIOC.exe
6. Run lekseecon9 (FS2004) or lekseeconX (FSX), and enjoy your modules!

EFIS Functionality

The 737 EFIS has been adapted to be used with the Level-D 767:

FPV button: Master Switch

MTRS button: TCAS on/off

Left rotary: Captains Altitude Orange Bug

Right rotary: Altimeter (QNH)

VOR1 => Captains VOR1/ADF1 to VOR1

OFF => Captains VOR1/ADF1 to VOR1

ADF1 => Captains VOR1/ADF1 to ADF1

VOR2 => Captains VOR2/ADF2 to VOR2

OFF => Captains VOR2/ADF2 to VOR2

ADF2 => Captains VOR2/ADF2 to ADF2

Mode Rotary Switch:

APP => FULL ILS

VOR => FULL VOR

MAP => MAP

PLN => PLAN

Range Rotary Switch

5 and 10 give Range 10

320 and 640 give Range 320

the others are OK

Row of seven buttons from left to right:

1: Cancel button of Eicas panel

2: Recall button of Eicas panel

3: WPT

4: ARPT

5: RTE DATA

6: NAVAID

7: Toggles Captains Chronometer cyclic between START-STOP-RESET

MCP Functionality

Full Boeing 767 MCP implementation with Cold and Dark Cockpit support and Lights Test

Special assignments to make this 737 MCP work for the Level-D 767:

CMD A: L CMD, CMD B: C CMD, CWS B: R CMD

HDG SEL push button:

- single click: HDG SEL
- double click: HDG HOLD

SPD Button:

- single click: SPD
- double click: SPD Intervention

BCRS push button is implemented via CWS A with extra functionality:

- single click: BCRS
- double click: Lights test

Note: Two clicks within a time interval of 0.7 seconds are taken as a double click.

ATC Functionality

Note: make sure you have a valid transponder code in your 767 panel when you start lekseecon.

Cold and Dark

If the left electrical bus of the 767 is off, this module will be cold and dark, just as in the Level-D 767.

Lights Test

If you push the Ident button a lights test will be activated.

Display:

Shows the squawk code in the Level-D 767 (if the panel value is ≥ 1000) or the one you are currently dialing.

Rotaries:

You can dial squawk frequencies between 1000 and 7777.

As soon as you start dialing a 'd' will show up in front of the squawk code to indicate that you are dialing in a new one that is not yet synchronized with the one in the 767 panel. If your new freq is ok, you should set the XPNDR switch in the other position (1 or 2, does not matter) upon which lekseecon will update the squaw code in the panel, so both are synchronized (and the 'd' will disappear).

[Note: I had to implement this trick because the Level-D 767 SDK only understands key presses, no values]

TCAS:

ALT Source 1 = SQUAWK SBY

ALT Source 2 = SQUAWK ON

XPDR:

STBY = XPDR ONLY

ALT RPTG OFF = XPDR ONLY

XPNDR = XPDR ONLY

TA ONLY = TA ONLY

TA/RA = RA/TA

FMC Functionality

69 keys

Just in case it should not work...

The setup program has been tested running under Windows XP, not Vista or Windows 7. In case it should not work, you can always set the right parameters yourself. Just go to the sioc.ini in SIOC folder and study this file that was still generated by this setup program.

CONFIG_FILE:

You have to replace the question marks by the name of the file you need, the convention is easy, for just one module it is mcp.ssi, efis.ssi, .. for two modules efis_mcp.ssi and so on. Be careful with atc9 and atcx, one is for FS2004 and the other for FSX.

MASTER statements:

The first is for the EFIS, the second for the MCP and the third for the ATC. Remove the semicolon for the statement that you need, and replace 1001 by the device number at your computer for your EFIS module. You can find that device number when you run SIOC.exe and look in the devices window (top right). Same for 1002, replace it by the device number for the MCP, and replace 1003 by the device number of the ATC

USBKEYS section:

If you have the FMC747 module, remove the semicolons for these two lines and replace number 1004 by the device number at your computer for your IOCKeys module. You can find that device number when you run SIOC.exe and look in the devices window (top right).

FSUIPC:

Default FSUIPC is disabled. You should always enable it if you have an EFIS module. You should also enable it if you are using an ATC module under FS2004.