EFIS737

This manual is intended for Flight Simulator use only and may not be used in any real world aviation application. The authors are not responsible for any errors or omissions.

FOREWORD

EFIS737 reproduce the EFIS selector located in the Boeing 737NG cockpit glareshield on both side of the MCP. EFIS737 may be considered an extension of the CPflight MCP737 and can operate only in conjunction with it. The EFIS737 is compatible with Project Magenta (www.projectmagenta.com) LevelD 767 and PMDG software, drivers for PMDG series are distributed by Flightsimlabs, for more informations visit http://www.flightsimlabs.com/.

Note: This manual contains the latest information at the time of drafting. Due to the continuous evolving of the product some features could be been modified. Eventual later informations can be found at CPflight website www.cpflight.com

The CPflight modules are produced to meet requirements from the hobby market. The use of our products in professional or commercial environments is not permitted without approval of the CPflight management; please contact us at info@cpflight.com if you need to exploit our products in professional or commercial environments.

The EFI737 interface with Project Magenta MCP LevelD 767 and PMDG software; it is important to know that the hardware have not its own intelligence on board, it establish an interface with the connected software; logics, operating modes and aircraft behavior are managed by the software itself. The EFI737does not interface directly with Microsoft Flight simulator default aircraft.
The EFIS737 has differences with respect to the original B737 EFIS selector dimensions.

IMPORTANT NOTES

Old firmware revision installed on the MCP can prevent functioning of add-on modules, check the MCP737 firmware revision and update to the last revision if needed. The latest formware is downloadable at http://www.cpflight.com/sito/downloads/downloads.asp for the update procedure refer to the latest MCP737 user Manual.

HARDWARE INSTALLATION

EFIS737 is made for the many people that make their own “homebuilt” cockpits. For this reason it is designed for panel mounting. Dimensions are indicated in Figure 2 (at the bottom of manual); keep space behind for cables and connectors to the MCP and to eventually other modules. Use the supplied “U” clamp to fix the EFIS; do not extremely tighten the nuts as you may damage the front panel.

SETTING AND CONNECTIONS

Note: Switch-off and disconnect power supply from the MCP before connecting any module.

EFIS737 may operate as left or right selector; depending of setting it will have effect to the Project Magenta Captain or F/O displays and functions. To select left EFIS (Captain) insert the jumper “C” (Figure 1) to the CP position; obviously you will insert the jumper to the F/O position to make it work as First Officer EFIS selector.
Sockets for EFIS connection are on the back of panel. EFIS is arranged for daisy-chain connection so there are only two sockets (Figure 1 “A” and “B”); EFIS does not require an external power supply adapter since it is directly supplied by the MCP.

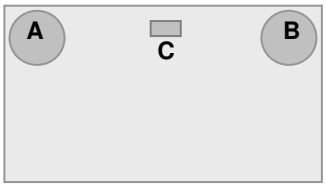

Figure 1: Connectors and setting

Connect a terminal of the enclosed 5 pole cable to one of the 5 pole sockets (it make no difference to which of two you connect) and the other side of cable to the AUX socket of the MCP. If you have other modules (for instance a second EFIS for the F/O side) you will connect it to the second socket of the EFIS and so on. If you have two EFIS selectors connected to the MCP pay attention not to set them to the same side (link C), since this may generate a communication conflict.
EFIS do not require any software configuration; you may reconnect MCP power supply and start it up, the MCP will scan the line and recognize your new EFIS selector/s.

OVERVIEW

- 2 lever switches with three positions for VOR/ADF selection.
- 2 rotary encoders with push in switch for MINS and BARO selection and adjustment
- 4 position rotary switch with push in for display mode selection
- 8 position rotary switch with push in for ND range and TFC selection
- 7 pushbuttons for MAP data and symbol display
- 2 round pushbuttons for FPV and METER selection
- 8 bit Flash microcontroller.
- 2 DIN 5 pole socket for communication Interface to MCP737 and other modules.
- Backlight panel
- 5 pole connection cable

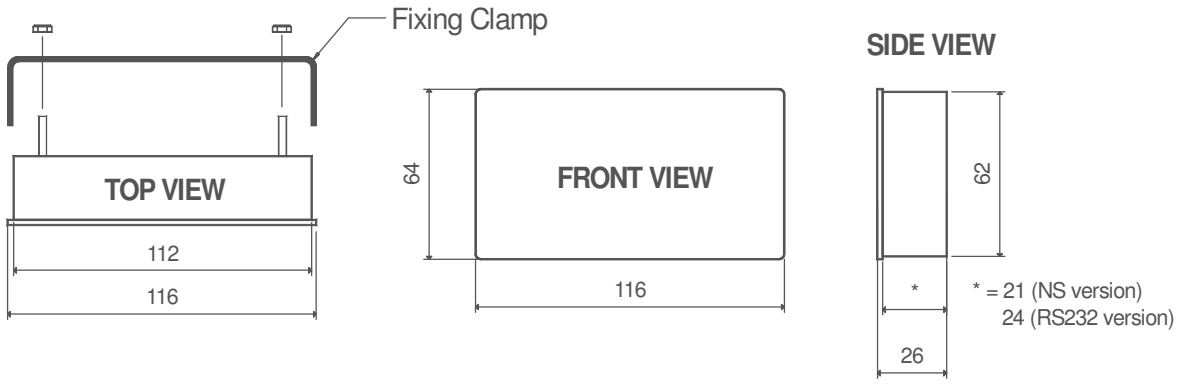

Figure 2: Dimensions

LINKS

Web site: http://www.cpflight.com
Support: http://www.cpflight.com/sito/help/mainsupport.asp
Email: info@cpflight.