

**SELCAL Panel Module**

ALPHA S737-PED-M-AL-A30-1534

BRAVO S737-PED-M-BL-A30-1526

Datasheet - SELCAL Panel Module V3 - Rev1.0.docx

	Module Dimensions: (WxHxD) mm3	147 x 38 x 16 mm <sup>3</sup> <i>High of Knobs Not included</i>
	Module Line:	Alpha / Bravo
	Backlight (12V):	Yes, Warm White
	Backpanel:	Yes, Specific PCB
	Hardware Interface: (See Chapter 1.2)	To be connected to a Control Board like SimCard Ethernet, IOCard USB, etc.
	Knobs:	-
	Plug Ready Module	Yes
	Simulator Model:	Sim737NG
	Scale:	1:1
	Price (without VAT)	<i>Web: Shop</i>

## 1 Compatibility

### 1.1 Software Compatibility

This module uses IDC connectors to interface with the electronic I/O Board, therefore cannot be connected directly to a Computer, it has to be through an electronic Board (see hardware compatibility). If the electronic board is a SimCard, then this module is compatible with the following Add-Ons:

iFly737			Prosim737			Project Magenta			PMDG 737NG			SimAvionics		
FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE
X	X	?	X	X	?	X	X	X	X	X	?	X	X	?

X	Fully compatible, scripts available in downloads sect.
X	Fully compatible, no scripts available (under development)
X	Compatible with some add-on limitations
?	Pending confirmation for the add-on company

FSX	Microsoft Flight Simulator X
P3D	Lockheed Martin Prepar3D
X-Plane	X-Plane

This module has been designed to be connected directly to the “Sismo Pedestal Backpanel V2” or superior. This backpanel is an option where cables or other elements are not necessary. If you want to use it in other configuration, just connect the flat ribbon cables following the indications of the “Wiring Schedule”.

## 1.2 Hardware Compatibility (I/O Boards)

SimCards Ethernet	IOCards	Phidgets	MIP737	Pokeys USB	Arduino
Yes (Recommended)	Yes	Yes	Yes	No Information	Yes

## 1.3 Module Backpanel (PCB) Compatibility

This datasheet is valid for the following module backpanels (PCB):

V1	V2						
No	Yes						

## 2 Abbreviations

PRM	Plug Ready Module
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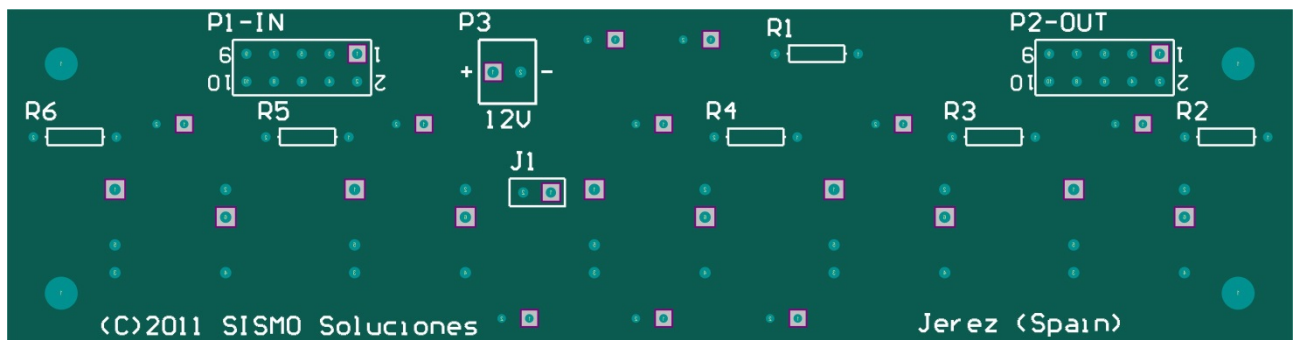
## 3 Customization

Alpha	All the pushbuttons are operate except VHF3 (see section 6.1)
Bravo	The module is dummy

## 4 Parts included

- 1 SELCAL Panel Module, fully assembled and ready to be installed in Pedestal.
- 2 painted screws M4x12 to fix the module to Pedestal casing.
- 1 Female connector for backlight.
- Only when Sismo Pedestal Baseplate is not used
  - 2 Un. 10-pin flat ribbon cable (25cm length). For other lengths please contact Sismo.

## 5 Backpanel Connectors



## 6 Wiring Schedule

### 6.1 INPUT

Function	State	P1-IN		State	Function
Not used		1	2		Not used
Not used		3	4	ON	Push-Button VHF3 *
Push-Button VHF1	ON	5	6	ON	Push-Button VHF2
Push-Button HF1	ON	7	8	ON	Push-Button HF2
Not used		9	10	Common GND	

\*Note:

- Sismo Pedestal Baseplate: This function doesn't work when connected through the Sismo Pedestal Baseplate. J1 Jumper has to be OFF.
- Other configurations: This function works when connected with any I/O Board (SimCards, IOCards, etc.). J1 Jumper has to be ON.

### 6.2 OUTPUT

Function	State	P2-OUT		State	Function
Not used		1	2		Not used
Not used		3	4	ON	Led VHF1
Led VHF2	ON	5	6	ON	Led VHF3
Led HF1	ON	7	8	ON	Led HF2
Not used		9	10	Common GND	

### 6.3 Backlight

P3 - 12V	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by "dimmer backlighting board" to have the dimming functionality available.

## 7 DZUS Position

TBD

## 8 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SimCards Ethernet	See the latest on our website
02	Datasheet – Pedestal Backpanel	See the latest on our website

**End of Document**