

## Audio Selector Panel Module

Alpha.- S737-PED-M-AL-A31-1533

Bravo.- S737-PED-M-BL-A31-1525

Datasheet - Audio Selector Panel Module V3.1 - Rev1.2.docx



Module Dimensions: (WxHxD) mm3	147x126x16 mm <i>Height 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:	Realistic Injection Plastic Knobs
Plug Ready Module	Yes
Simulator Model:	Sim737NG
Scale:	1:1
Price (without VAT)	<i>Web: Shop</i>

www.sismo-soluciones.com

## 1 Compatibility

### 1.1 Software Compatibility

This module uses IDC connectors to interface with electronic I/O Boards, they 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 V1**” or higher. 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	V3	V3.1				
No	No	No	Yes				

## 2 Abbreviations

PRM	Plug Ready Module
ASP	Audio Selector Panel Module

## 3 Customization

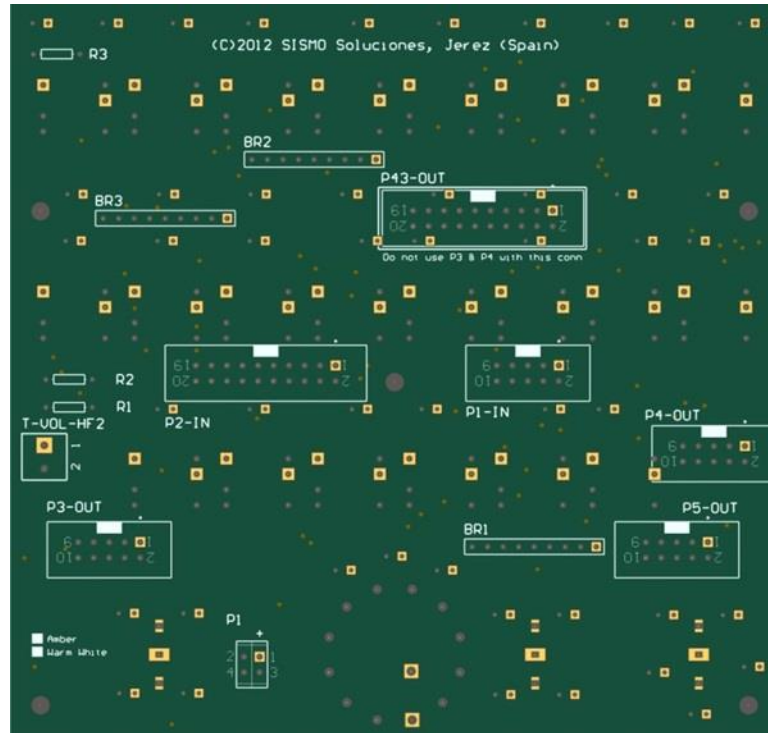
Module Line:

Alpha	All the pushbuttons are operative except INOP pushbutton and INOP MIC pushbutton
Bravo (Standard)	The following pushbuttons are functional: <ul style="list-style-type: none"> <li>• 2un. MIC Pushbuttons: VHF1, VHF2</li> <li>• 7un. Pushbuttons with light: VHF1, VHF2, NAV1, NAV2, ADF1, ADF2 &amp; MKR</li> </ul> The rest of pushbuttons are dummy (caps and injection plastic buttons without functionality).

## 4 Parts included

- 1 Audio Selector Panel Module, fully assembled and ready to be installed on the Pedestal.
- Only for another configuration:
  - 3 flat ribbon cables 10 wires and 25cm length. For other lengths, please contact to Sismo.

## 5 Backpanel Connectors



## 6 Wiring Schedule

### 6.1 Input

Function	State
Push-Button MIC VHF 1	ON
Push-Button VOL VHF 1	ON
Push-Button VOL NAV 1	ON
Push-Button VOL ADF 1	ON
Not used	

P1-IN	
1	2
3	4
5	6
7	8
9	10

State	Function
ON	Push-Button MIC VHF 2
ON	Push-Button VOL VHF 2
ON	Push-Button VOL NAV 2
ON	Push-Button VOL ADF 2
Common GND	

Function	State
Push-Button VOL HF1*	ON
Push-Button MIC HF2*	ON
Push-Button MIC SVC*	ON
Push-Button VOL MKR	ON
Not used	ON
Push-Button VOL SVC*	ON
Push-Button VOL SPKR*	ON
Switch 2P MASK	ON

P2-IN	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16

State	Function
ON	Push-Button MIC HF1*
ON	Push-Button MIC FLT*
ON	Push-Button MIC PA*
ON	Push-Button VOL FLT*
Common GND for inputs 1 to 8	
ON	Push-Button VOL PA*
ON	Switch 2P R/T
ON	Switch 2P ALT

Rotary 30° V	ON
Not used	

17	18
19	20

ON	Rotary 30° R
Common GND for inputs 11 to 18	

\*Only in Alpha version

T-VOL-HF2	
1	Push-Button VOL HF1*
GND	GND

\*Only in Alpha version

## 6.2 Output

If you are using connectors P3-OUT and P4-OUT, do not use P43-OUT and vice versa. These connectors are interchangeable.

Function	State
Led MIC VHF1	ON
Led VOL VHF1	ON
Led VOL NAV1	ON
Led VOL ADF1	ON
Not used	

P3-OUT	
1	2
3	4
5	6
7	8
9	10

State	Function
ON	Led MIC VHF2
ON	Led VOL VHF2
ON	Led VOL NAV2
ON	Led VOL ADF 2
Common GND	

Function	State
Led VOL MKR	ON
Led VOL SPKP*	ON
Led MIC HF2*	ON
Led MIC SVC*	ON
Not used	

P4-OUT	
1	2
3	4
5	6
7	8
9	10

State	Function
ON	Led VOL FLT*
ON	Led MIC HF1*
ON	Led MIC FLT*
ON	Led MIC PA*
Common GND	

\*Only in Alpha version

Function	State
Led VOL MKR	ON
Led VOL SPKP*	ON
Led MIC HF2*	ON
Led MIC SVC*	ON
Not used	
Led MIC VHF1	ON
Led VOL VHF1	ON
Led VOL NAV1	ON
Led VOL ADF1	ON

P43-OUT	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18

State	Function
ON	Led VOL FLT*
ON	Led MIC HF1*
ON	Led MIC FLT*
ON	Led MIC PA*
Common GND for inputs 1 to 8	
ON	Led MIC VHF2
ON	Led VOL VHF2
ON	Led VOL NAV2
ON	Led VOL ADF 2

Not used	
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19	20
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Common GND for inputs 11 to 18
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\*Only in Alpha version

Function	State
Led VOL HF1*	ON
Led VOL SVC*	ON
Not used	
Not used	
Not used	

P5-OUT	
1	2
3	4
5	6
7	8
9	10

State	Function
ON	Led VOL HF2*
ON	Led VOL PA*
	Not used
	Not used
Common GND	

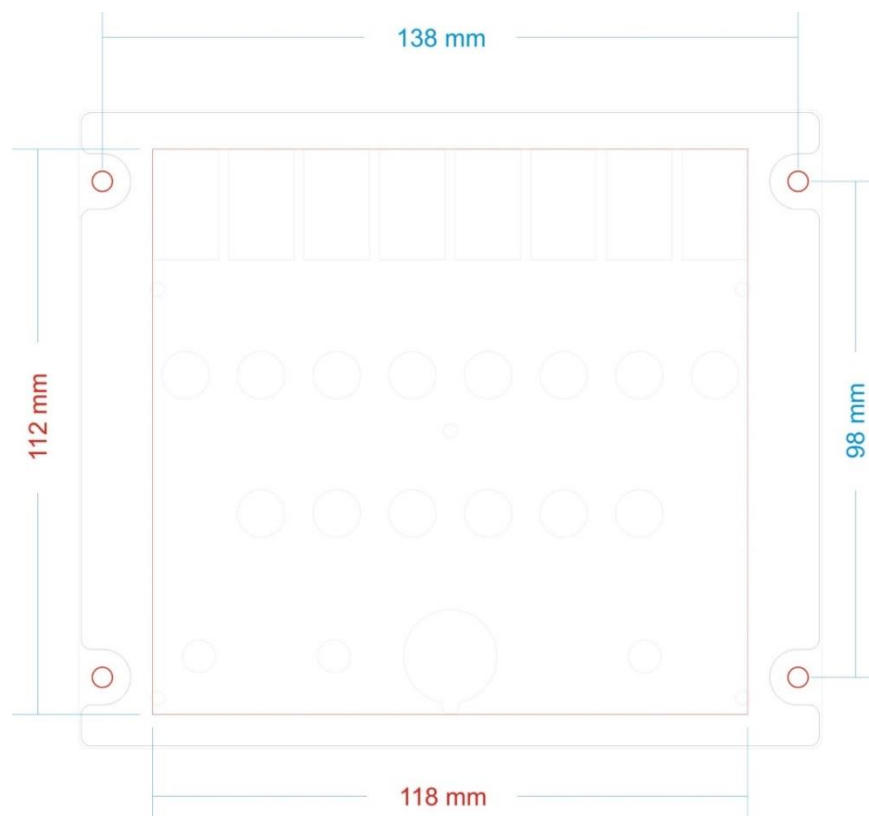
\*Only in Alpha version

Remark about the LEDs +5Vcc= ON / 0 Vcc = OFF

### 6.3 Backlight

P1 - 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



## 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

## 9 Pictures



End of Document