Audio Selector Panel (ASP) Module

Bravo .- S737-AOH-M-BL-A30-1035

Datasheet - Audio Selector Panel ASP Module V2 - Rev1.1.docx

Module Dimensions: (WxHxD) mm3	TBD
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)	*Web: Shop*

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 though 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 AFTO 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
ASP	Audio Selector Panel Module

3 Customization

Module Line:

Alpha	All the pushbuttons are operative. If using the backpanel for the AFTO, consult the Wiring Schedule.
Bravo (Standard)	The following pushbuttons with light are functional: • 2un. MIC: VHF1, VHF2 • 7un. VOL: VHF1, VHF2, NAV1, NAV2, ADF1, ADF2 & MKR (MKR without light) The rest of pushbuttons are dummy (caps and injection plastic buttons without functionality).

4 Parts included

- 1 ASP Module, fully assembled and ready to be installed on the AFTO.
- 1 Un. 40-pin flat ribbon cable (25cm length). For other lengths, please contact Sismo.
- 1 Un. 10-pin flat ribbon cable (25cm length). For other lengths, please contact Sismo.

5 Wiring Schedule

5.1 Input

Function	State	P2-IN		State	Function
Not used		1	2		Not used
Not used		3	4	ON	Push-Button VOL SCV *
Push-Button VOL PA *	ON	5	6	ON	Push-Button VOL SPKR *
Push-Button MIC VHF 1	ON	7	8	ON	Push-Button MIC VHF 2
Not used		9	10	Common GND	
Push-Button VOL VHF 1	ON	11	12	ON	Push-Button VOL VHF 2
Push-Button VOL NAV 1	ON	13	14	ON	Push-Button VOL NAV 2
Push-Button VOL ADF 1	ON	15	16	ON	Push-Button VOL ADF 2
Push-Button MIC INOP *	ON	17	18	ON	Push-Button MIC HF1 *
Not used		19	20	Common GND	
Push-Button MIC HF2 *	ON	21	22	ON	Push-Button MIC FLT *
Push-Button MIC SVC *	ON	23	24	ON	Push-Button MIC PA *
Push-Button VOL MKR	ON	25	26	ON	Push-Button VOL FLT *
Switch R/T	ON	27	28	ON	Switch MASK
Not used		29	30	Common GND	
Switch ALT	ON	31	32	ON	Rotary1 V
Rotary2 B	ON	33	34	ON	Rotary3 R
Not used		35	36		Not used
Not used		37	38		Not used
Not used		39	40	Common GND	

*Only active in Alpha line

Function	State	P4-IN		State	Function
Push-Button VOL HF1 **	ON	1	2	ON	Push-Button VOL HF2 **
Push-Button VOL INOP **	ON	3	4	ON	Switch I/C **
Not used		5	6		Not used
Not used		7	8		Not used
Not used		9	10	Common GND	

**Only active in Alpha Line, if you are using the backpanel for the AFT, these pins are not operational.

5.2 Output

Function	State	P3-OUT		State	Function
Led MIC VHF 1	ON	1	2	ON	Led MIC VHF 2
Led VOL VHF 1	ON	3	4	ON	Led VOL VHF 2
Led VOL NAV 1	ON	5	6	ON	Led VOL NAV 2
Led VOL ADF 1	ON	7	8	ON	Led VOL ADF 2
Not used		9	10	Common GND	

Note: Remark about the Output +5Vcc= ON / 0 Vcc = OFF

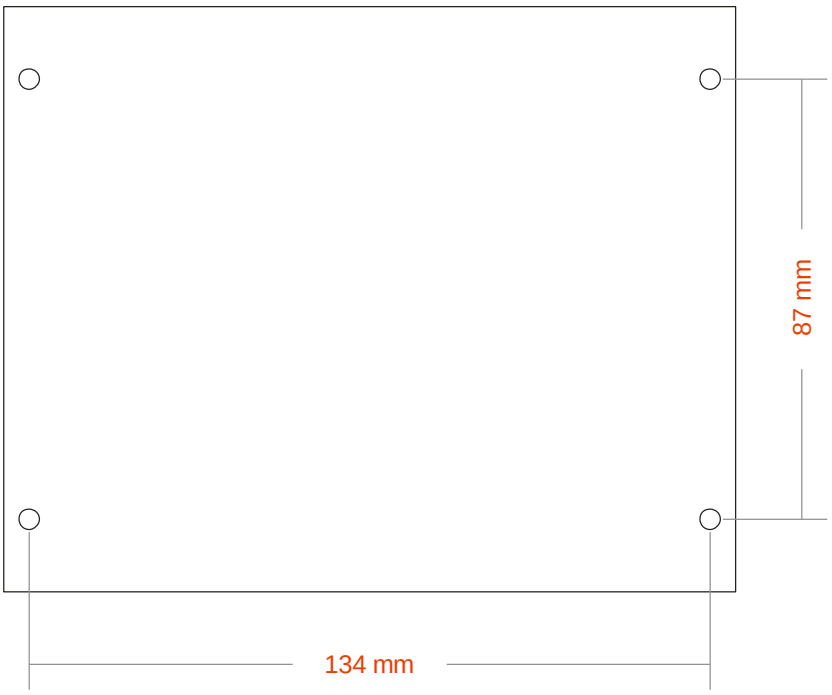
Function	State	P5-OUT		State	Function
Led MIC INOP *	ON	1	2	ON	Led MIC HF 1 *
Led MIC HF2 *	ON	3	4	ON	Led MIC FLT *
Led MIC SVC *	ON	5	6	ON	Led MIC PA *
Led VOL INOP *	ON	7	8	ON	Led VOL HF 1 *
Not used		9	10	Common GND	
Led VOL HF 2*	ON	11	12	ON	Led VOL FLT *
Led VOL SVC *	ON	13	14	ON	Led VOL PA *
Led VOL MKR *	ON	15	16	ON	Led VOL SPKR *
Not used		17	18		Not used
Not used		19	20	Common GND	

*Only active in Alpha Line, if you are using the backpanel for the AFT, these pins are not operational.

5.3 Backlight

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.

6 DZUS Position



7 Related Documentation

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

8 Pictures

End of Document