B737 MAX	Display Brightness Control and Selector Panel Module (DBCDS)

Module Dimensions: (WxHxD) mm3	143 x 94 x D mm3 D = Depends on the knobs
Module Line:	Alpha
Backlight (12V):	Yes, warm white
Elec. Back Baseplate:	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:	Sim737MAX
Scale:	1:1

CDBCDS: S7MX-MIP-M-AL-A10-0218
FDBCDS: S7MX-MIP-M-AL-A10-0219

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 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	Fully compatible, scripts available in downloads section
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 "**B737MAX CAIP or CEIP Electronic Baseplate V1**". This baseplate is an option where cables or other elements are not necessary. If you want to use it in another configuration, just connect the flat ribbon cables following the indications on 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 Baseplate (PCB) Compatibility

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

V1							
Yes							

2 Abbreviations

PRM	Plug Ready Module
MIP	Main Instrument Panel
CAIP	Captain Instrument Panel
FOIP	First Officer Instrument Panel

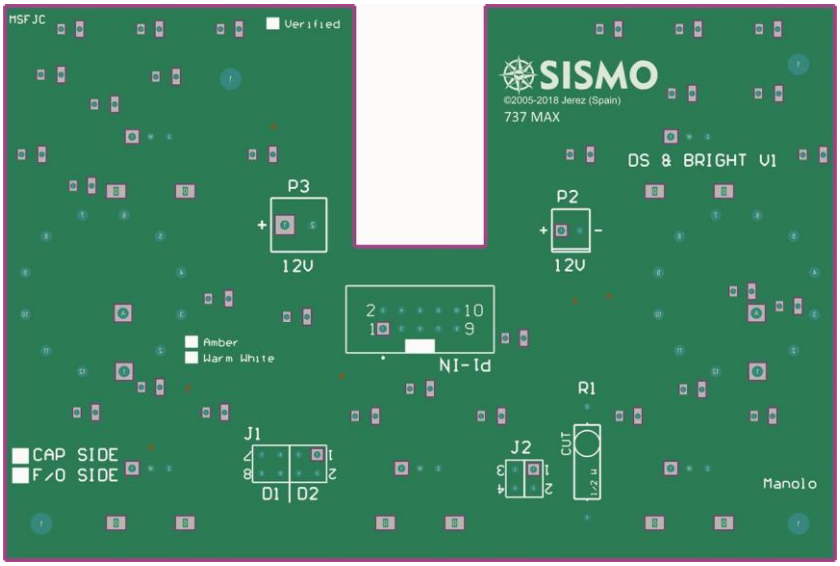
3 Customization

There are no customizations for this product.

4 Parts included

- 1 CDBCDS Module, fully assembled and ready to be installed in the MIP.
- 1 un. 10 pins flat ribbon cable (length 25cm). For other lengths, please contact Sismo.
- 4 painted screws M4x12 to fix the Module to the MIP casing (fully compatible with the MIP Casing of Sismo). DZUS are optional.
- 1 female connector for backlight.

5 Module Baseplate Connectors



6 Wiring Schedule

6.1.1 Captain

Function	State
Rotary CAP OUTDB	ON
Rotary CAP INBD	ON
Wiper INBD DU	ON
POT +5V DC	ON
GND for Backlight *	

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

State	Function
ON	Rotary CAP PFD/MFD NORM
ON	Wiper OUTBD DU
ON	Wiper CAP BRIGHT
+12V DC for Backlight *	
Common GND for Inputs and Pot	

6.1.2 F/O

Function	State
Rotary F/O OUTBD	ON
Rotary F/O INBD	ON
Wiper INBD DU	ON
POT +5V DC	ON
GND for Backlight *	

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

State	Function
ON	Rotary F/O PFD/MFD NORM
ON	Wiper OUTBD DU
ON	Wiper F/O BRIGHT
+12V DC for Backlight *	
Common GND for Inputs and Pot	

*: It depends on Jumper J2

6.2 Jumpers

J1 - The two jumpers on D1 side must be plugged in. In case that the rotation of the pot is inversed, please remove the jumpers from D1 position and place them in D2 position.

J2 - Internal use. If it's placed, the functions marked with * work. If J2 is not placed, functions marked with * don't work.

6.3 Backlight

12V-P2-P3	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by a “dimmer backlighting board” to have the dimming functionality available.

6.4 Note

The CDBCS and FDBCS modules each have the same PCB. The position of the components will depend on the module being built.

7 Dzus and Screws Position

8 Pictures

Captain Display Brightness Control and Selector Panel Module (CDBCDS)

F/O Display Brightness Control and Selector Panel Module (FDBCDS)

9 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SC-MB Configuration	See the latest on our website
02	User Manual – Hookup & Wiring Guideline	See the latest on our website

End of Document