

# Modular Junction Box MJB5 Plus with Analogue to OpenBus™ Converter (AOC) **Data Sheet**



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## Introduction

The modular junction box MJB5 Plus is designed for use together with OpenBus™ control boxes.

The MJB5 Plus makes it possible to connect multiple hand controls and attendant controls. It can even be used for charging or to connect the Under Bed Light and 3rd party products.

The compact design and in-line cable management makes it easy to integrate in a wide range of healthcare applications like hospital beds, surgery tables and treatment chairs.

The MJB5 Plus offers IPX6 Washable DURA™ and is the perfect match for the OpenBus control box platform. IPX6 Washable DURA helps prolong the lifetime and makes the system ready for wash tunnels and high-pressure wash down.

## MJB5 Plus version 509

The AOC is an Analogue to OpenBus™ Converter. It is the perfect match for especially medical applications where the customer needs to add own products or 3rd party controls in an OpenBus system, e.g. multi-purpose foot switches.

The MJB5 AOC is available with or without power request.



## Features and options

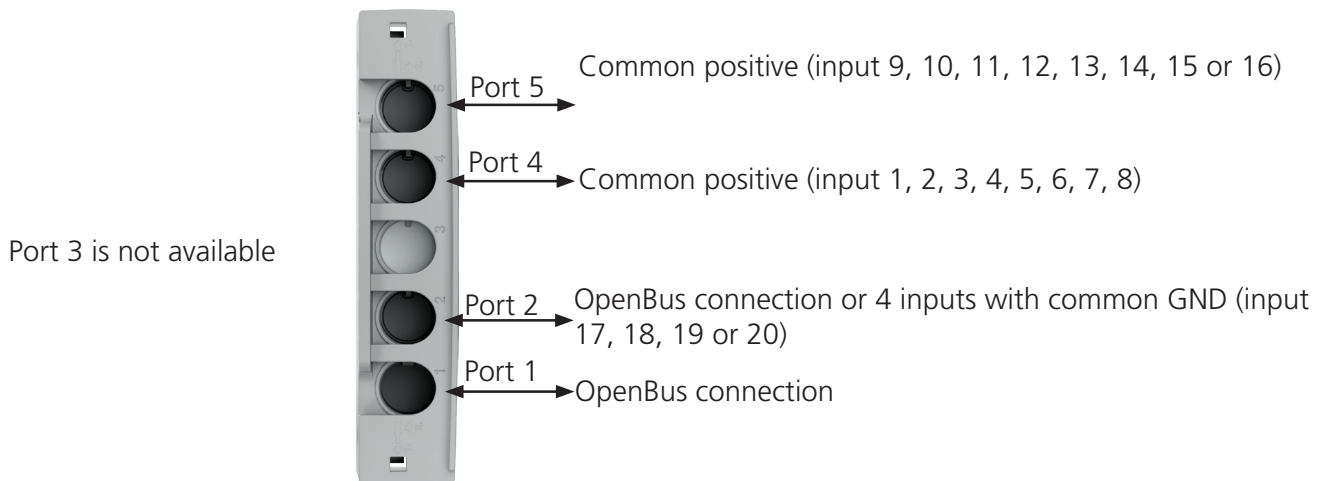
Connections:	Up to 3 controls of various types with modular jack plug or up to 16 analogue switch inputs for connection of 3rd party products
Colour:	Light Grey RAL 7035
Protection class:	IPX6 , IPX6 Washable DURA™
Current consumption:	Depends on the number of active inputs 5-12 mA VBus, 0-16 mA VPermanent

## Usage

Operation temperature:	+5 °C to +40 °C
Storage temperature:	-10 °C to +50 °C
Compatibility:	Compatible with LINAK Bluetooth Low Energy (BLE) control boxes. Please contact LINAK.
Relative humidity:	20% to 80% – non-condensing
Atmospheric pressure:	700 to 1060 hPa
Meters above sea level:	Max. 3000 meters
Latex free:	Yes
Approvals:	IEC60601-1 ANSI/AAMI ES60601-1 CAN/CSA-22.2 No 60601-1

## MJB5 Plus AOC Usage

Compatibility: All OpenBus control boxes except CB20.



The product label is added for correct connection to the ports



### The MJB5 AOC has 4 ports:

Port 1 is for OpenBus connection.

Port 2 has 4 common ground switch inputs or an OpenBus hand control.

Port 4 has 8 common positive switch inputs or an analogue hand control.

Port 5 has 8 common positive switch inputs or an analogue hand control.

Port 1 for connection to the control box and port 2 can be used for an OpenBus control. The standard inputs are made so that a system containing an analogue hand control can be used for an OpenBus control box in port 4 or port 5.

## Ordering example

		MJB		
Special/Standard code no.	000	000 =	Port repeater box (without functionality)	
		502 =	SMPS 4W (Switch Mode Power Supply)	
		504 =	Gateway	
		505 =	UBL (Internal) / Switch input (S1 + S2)	
		506 =	UBL (External) / Switch input (S1 + S2)	
		509 =	Analogue to OPENBUS™ Converter	
<hr/>				
No. of OPENBUS™ connections	4	1 =	For standard code: 502 (Ports: 1=OB, 2=third party) For standard code: 504 (Ports: 1=OB, 5=Third party)	
		3 =	For standard code 000: 3 ports	
		4 =	For standard code 000: 4 ports For standard code: 505, 506 & 509	
		5 =	For standard code 000: 5 ports	
<hr/>				
Configuration Number	000	000 =	Port repeater box (without functionality)	
		001-099 =	Standard configuration	
		100-999 =	Special configuration	
<hr/>				
Not used	-	- =	Not used	
<hr/>				
Colour	1	1 =	Light grey (RAL 7035)	
<hr/>				
HardWare version	0	0 =	No Power request	
		1 =	HW-variant with power request on all ports where it is possible	
		2 =	HW-variant with power request on port 2 (Only for MJB509)	
		3 =	HW-variant with power request on port 4 & 5 (Only for MJB509)	
<hr/>				
IP Degree	2	2 =	IPX6	
		9 =	IPX6 Washable DURA™	
<hr/>				
Cable	3	3 =	No cable	
<hr/>				
		Chosen item number:	MJB0004000-1023	

Modular plug cable for connection of OpenBus™ control box to MJB5 Plus has to be ordered separately. Please remember to order DURA cable and blind plug if IP degree IPX6 Washable DURA™ is required.

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