MWX65

All-in-one wall panel for MTX

Highlights:

- unbalanced stereo line input
- 2.5" LCD display with intuitive user interface
- Terminal block connection



Product information:

The MWX65 is an all-in-one wall panel controller to be used in combination with the AUDAC MTX series multi-zone audio matrix systems. It can control the input signal and volume for one zone and also contains an additional line and microphone level input which can be patched to the zone it is connected to. Both input selection and volume control as well as two band tone control can be controlled using the versatile rotatable push-dial while the integrated 2.5” graphical display ensures a user friendly experience. An XLR connector is provided as additional microphone input while the line input is performed using RCA connectors. The signals applied to these inputs can be used as one additional local input. This enables you to connect any CD or MP3 player as local music source or connect a microphone for speeches or other announcements. The input mixing can be done by using both push-lock potentiometers. The microphone input has the possibility to provide 12V phantom power which can be turned on and off by software configuration. The wiring between the matrix and the wall panel should be performed by using standard UTP CAT5 cabling which transfers both the control and audio signals to the matrix while providing the power supply for the wall panel.

Applications:

- Bars & Restaurants
- Retail
- Hotels
- Corporate
- Residential

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

System specifications:

Control			RS-485
Audio transfer			Analogue differential (Dual mono)
Phantom Power			12 V DC (software enabling)
Cabling			CAT5 (up to 300 meter)
Display	Type		2.5” Graphical Full colour
Power	Consumption		1.8 W - 75 mA / 24 V
Connectors			8-pin Euro Terminal Block
Inputs	Unbalanced Stereo	Connector	RCA
		Sensitivity	-12 dBV ~ 12 dBV
		THD+N (@ 1 kHz)	< 0.05 %
		Signal / Noise	85 dB
	Balanced Microphone	Connector	XLR female
		Sensitivity	-50 dBV ~ -15 dBV
		THD+N (@ 1 kHz)	< 0.1%
		Signal / Noise	75 dB

Product Features:

Dimensions			153 x 94 x 45 mm (W x H x D)
Built-in depth			37 mm
Weight			0.210 kg
Construction			ABS
Colours			Black (RAL9005) (MWX65/B)
			White (RAL9010) (WMX65/W)
Accessories	Optional	Flush mount Installation boxes	WB5065/FS: Concrete & Brick walls
			WB5065/FG: Wooden & Gypsum walls
		Surface mount Installation boxes	WB5065/SW: White version
			WB5065/SB: Black version

Variants:

- MWX65/B - Black version
- MWX65/W - White version

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Architects' and Engineers' Specifications:

The audio wall panel controller shall be used to control multi-zone audio matrix systems. It shall be used to control the input signal and volume for one zone and also contain an additional line and microphone level input which can be patched to the zone it is connected to. Input selection, volume and two band tone control shall be adjustable through using the versatile rotatable push-dial while the 2.5" graphical display ensures a user friendly experience. An XLR connector shall be provided as an additional microphone input, while the line input is performed using RCA connectors. These additional signal inputs will be used as local inputs, this can be useful to connect any CD/MP3 player, smartphone or laptop as a local music source or connect a microphone for speeches or other announcements. The microphone input shall have a 12V phantom power possibility, which can be switched on and off through the software configuration.

The wiring between the wall panel and the matrix shall be done by using standard UTP CAT5 cabling which transfers both the control and audio signal to the matrix while providing the power supply for the wall panel.

The connection shall be made through an 8-pin Terminal Block Connector provided on the backside of the wall panel. The balanced microphone input and unbalanced line input shall be located on the front of the wall panel for easy access, both inputs shall be accompanied by a push-lock gain control dial with clipping LED. Complete and intuitive system control shall be provided through the rotatable push-dial and the 2.5" LCD display.

The wall panel housing shall be constructed out of ABS with a build-in depth of 37mm. It's weight shall not exceed 0.210 kg. A variety of accessories shall include a surface mount installation box, a flush mount installation box for hollow walls and a flush mount installation box for stone / concrete walls.

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