

Conference and lectern  
Houses of worship  
Boardrooms  
Courtrooms  
Broadcast studio

- 4 microphone and 2 stereo AUX inputs
- 1 recording and 1 sum output
- Digital signal processing incl. dbx compressor/limiter
- Intelligent mixing algorithm with noise sensitive threshold
- Full 19" metal housing with internal power supply



## DMM 4/2/2

The DMM 4/2/2 is a processor controlled digital automatic mixer with four balanced microphone inputs, two stereo AUX inputs and one master output. A unique and very effective intelligent mixing algorithm automatically allocates gain among the system microphones (NOM attenuation). With a special noise detect function and the "Noise Sensitive Threshold" algorithm (NST) an accidental switching of the input channels is prevented.

The mixing algorithm also includes a "Last Mic On" function as well as a "Best Mic On" mode. For every input channel individual low cut, bass shelving and high frequency shelving filter are provided. A dbx compressor/limiter is included in the algorithm to compensate for level differences and provide a significant improvement in sound quality. Each channel has switchable gain (Mic/Line, Mic-Lo/Mic-Hi) and switchable phantom power. All inputs come with an incremental level control including LED level and peak hold display. The automixing and ducking function can be enabled/disabled for each microphone and AUX channel individually.

The DMM 4/2/2 has an expansion connector to cascade multiple mixers in a bigger system. A control I/O is located on the rear panel, providing logic in and outputs to control external devices.

The DMM 4/2/2 comes in a rugged 19" housing with an integrated power supply unit.

AKG SOUNDS BETTER



## Architects' and Engineers' Specifications

The digital automatic microphone mixer shall have four microphone and two line level inputs in a 1-U, 19" rack mount case. The automixer shall incorporate an adaptive gain mixing algorithm using a noise sensitive threshold. NOM (number of open microphones), last mic on and best mic on are inherent in the algorithm. The mixer shall contain four microphone input channels providing 3-pin XLR connectors. Each input shall be balanced, RF-filtered and capable of receiving mic or line level input signals. Switchable phantom power shall be provided for each input. The mixer shall contain 2 unbalanced, RF-filtered AUX inputs providing RCA connectors. One recording output providing RCA connectors and one master output providing 3-pin XLR connector shall be available. The mixer shall provide the possibility of remote control via logic in/outs via Sub-D connector.

Each input shall incorporate a volume control, high frequency shelving filter, a low frequency shelving filter and a switchable bass cut filter. The main output shall have an adjustable limiter as well as a master level control. All functions are controlled via incremental controls on the front panel. The mixer shall provide a software locking functions to avoid unwanted operation.

Expansion ports shall provide IO access to the main and mix audio busses.

The mixer shall meet the following performance criteria. Frequency response: 20 Hz - 20 kHz; Maximum input level: +15 dBu; Maximum output level: +10 dBu; Input Impedance: > 8K ohm; S/N ratio > 90 dB; Maximum Output Level: +26 dBu. Maximum Gain: 75 dB (input to output). The mixer shall be rack mountable and occupy 1 RU. The automatic microphone mixer shall be the AKG Acoustics Model DMM 4/2/2

## Specification

<b>Inputs:</b>	Mic/Line 1-4:	XLR 3-pol. female		
		Type:	balanced	
		Nominal level:	-60 dB	
		Max. level:	+15dB	
		Frequency response:	20Hz – 16kHz	
		Dynamic:	>90dB	
		Impedance:	>8k $\Omega$	
		Phantom power:	48V DC	
		AUX-Inputs 5-6:	2x Cinc	
			Type:	unbalanced
Nominal level:	$\pm$ 0dB			
Max. level:	+15dB			
Frequency response:	20Hz – 22kHz			
Dynamic:	>90dB			
<b>Outputs:</b>	Line Mono:	1x XLR 3-pol. male		
		Type:	balanced	
		Nominal level:	$\pm$ 0dB	
		Max. level:	+10dB	
		Frequency response:	20Hz – 20kHz	
		Dynamic:	>90dB	
		Impedance:	<100 $\Omega$	
		Recording Li. und Re.:	2x Cinch	
			Type:	balanced
			Nominal level:	$\pm$ 0dB
Max. level:	+10dB			
Frequency response:	20Hz – 20kHz			
Dynamic:	>90dB			
<b>Control-Input:</b>	Analog:	26-pin. SubD I/O's via logic contacts and VCA.		
		<b>General:</b>	Sample frequency:	48kHz
			Format:	24Bit
			Operating temperature:	+5 - 45°C
			Max. humidity during operation:	83%
			Power supply:	100 – 240V/50-60Hz
			Max. power consumption:	35VA
			Size:	483 x 44 x 203 mm (19.0 x 1.7 x 8.0 in.)
			Color:	black RAL 9005
			Weight:	3.5 kg (7.7 lbs.)

[www.akg.com](http://www.akg.com)


## AKG Acoustics GmbH

Lemböckgasse 21–25, 1230 Vienna /AUSTRIA, phone: + 43 1 86654 0  
e-mail: [sales@akg.com](mailto:sales@akg.com)

## AKG Acoustics, U.S.

8400 Balboa Boulevard, Northridge, CA 91329, U.S.A., phone: + 1 818 920 3212  
e-mail: [akgusa@harman.com](mailto:akgusa@harman.com)

For other products and distributors worldwide visit [www.akg.com](http://www.akg.com)  
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