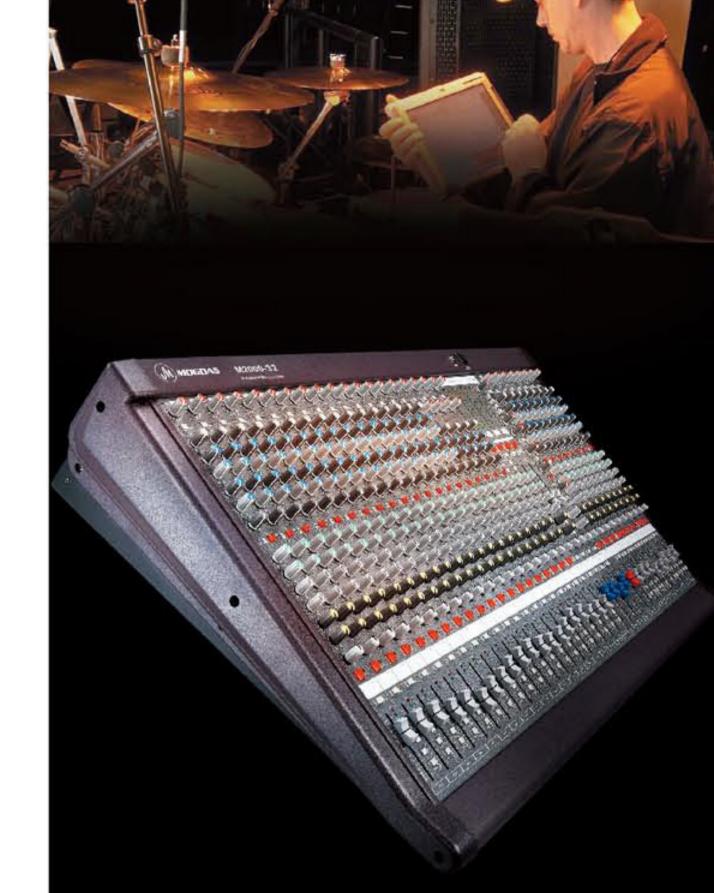


M2000



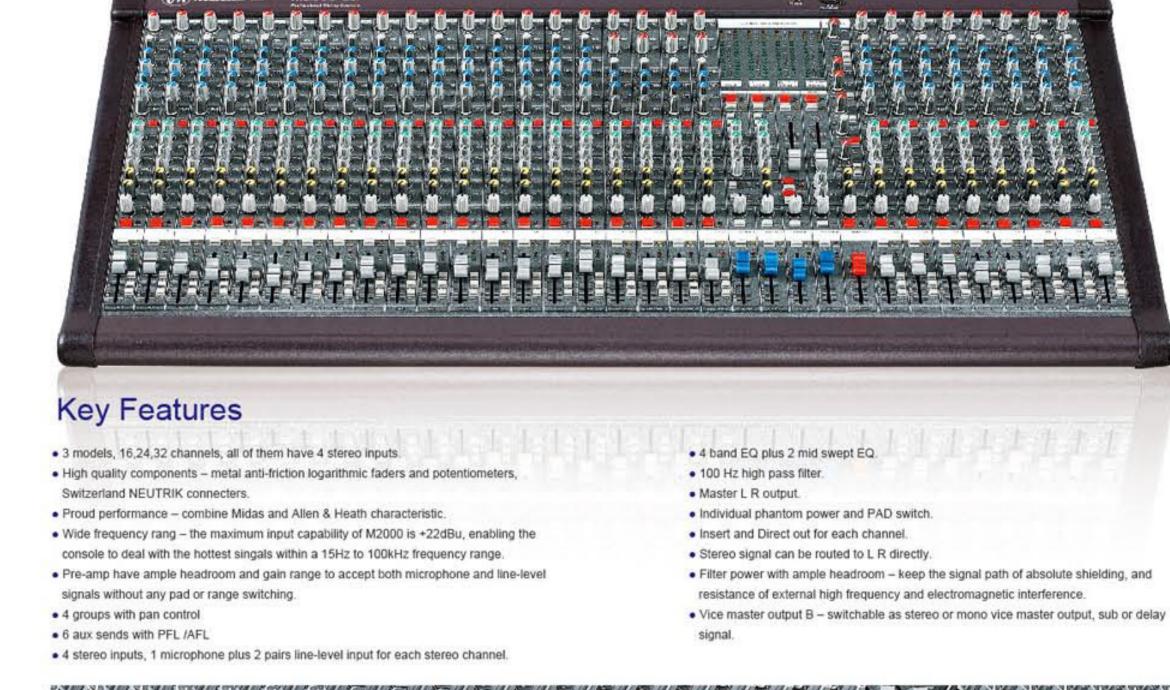






Performance (Application introduction) MOGDAS M2000 is outstanding compact mixing console, featuring 4 groups, 6 aux sends (2 of them with fader control the output line level). And the design is take Midas and Allen & Heath for reference, feature our own characteristics. M2000 take longest design period, is MOGDS most proud product. M2000 not only have clear and straightforward layout, but also have pure performance. What's more, the very best microphone pre-amps providing ample headroom and gain range, to accept both microphone and line-level signals without any pad or range switching.

Whether as the main mixer for events requiring up to 24 mono plus 4 stereo inputs, a sub-mixer for larger productions, or as an onstage mixer for performers to control, M2000 is always the standard of compact mixing console. Adding the outstanding perfect design, M2000 is special for government project, like multi-function hall, conference room, and it also very popular in night club, band, church, cinema, outdoor performance, broadcasting, TV studio, recording studio and so on.





Application advantages

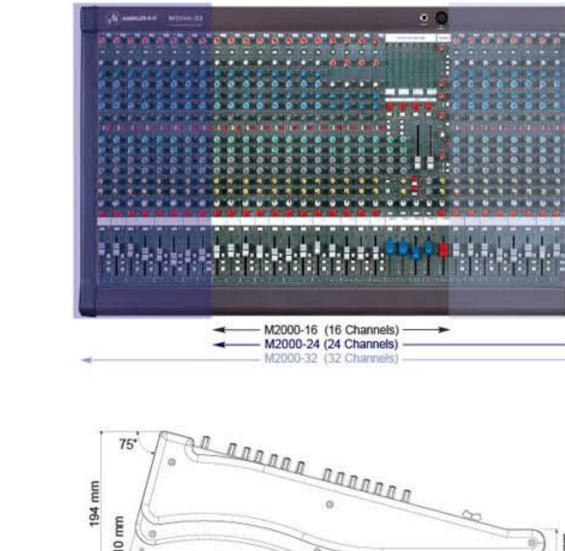
- High quality components The fader and potentiometer of M2000 require very low line-level, still can accurate control line-level. MOGDAS mixers are well know as reliability product, are able to handle thousands of events and hundreds of thousands of miles of travelling without fault still. Only the high quality components can guarantee the reliability, lowest repair rate, and pure performance. There is no other way to do it. The operational benefit is that two identical signals will sound equal regardless of which channel they are fed into.
- MTA-3 pre-amp take Midas and Allen&Heath for reference, M2000 also use same MTA-3 pre-amp, featuring ample headroom, gain range and low distortion. To retain the natural qualities of many different sorts of signals, M2000 are able to handle incoming signals across a very wide frequency range with lowest possible distortion, and the microphone or line-level input without any cut or adjust. The microphone or line level up to +22dBu, can be find adjustable by a high resolution gain in the gain range.
- Proud performance M2000 can create pure performance, the EQ are use high quality components provides the ability to accurate control, fine-tune audio signals, also provides the creative processing power to create personalized soundscapes without any unwanted side-effects. For instance, this means that the HF and LF filters won't interfere with the mid-band frequencies. All filters keep their gain regardless of frequency settings, and +/-15dB on a gain potentiometer means exactly what it says.
- Ample headroom filter PSU all of MOGDAS big size mixer are use external PSU, in order to keep the signal path of absolute shielding, and resistance of external high frequency and electromagnetic interference. Considering the limited space in the small mixer also, so all of the MOGDAS high class mixer are designed use same one standard external PSU, with ample voltage range to meet all over the world requirement. LED display – incoming signal levels to both mono and stereo input channels are displayed on two LED indicators.

The green signal present LED illuminates when the incoming signal exceeds -16dBu, and continues to sense the input

- even if the EQ section is by passed. However, because of the quality of the MOGDAS input circuitry, there is still around 6dB of headroom available even when the red peak LED is flashing. . Individual +48V phantom power - the individual phantom power with LED inidcate for each channel (for
- condenser microphones and active DI boxes)
- 4 Group 4 groups signal could be routed to master LR or as independent output. There is Insert for each group to connect to audio processer. 4 groups also with PAN control.

- 6 auxiliary sends to accommodate constantly-changing monitor/FX requirements, MOGDAS offer two further auxiliary busses(labeled Aux1 and Aux2), which can be individually switched pre-or post-fader on the master module. In pre-fade mode they follow the pre/post EQ selection of Monitor 1 and Monitor 2, Thus MOGDAS offer the flexibility to provide 2 FX sends plus 4 monitors, 3 FX sends plus 3 monitors, or 4 FX plus 2 monitors. Onstage channels, the auxiliary sends provide a sum of the left and right inputs, all auxiliary sends offer a range of minus infinity to plus 10dB, providing accurate level control over a very wide gain range.
- Clear and Straightforward Layout All console manufacturers have their own philosophy of control surface design and layout. While M2000 can certainly be used for recording, MOGDAS's "dedicated to live production" approach means the design layout of Venice is optimized for quick and easy control. Every function is exactly placed where it should be, easy to find, operate and read even at low light levels (though connectors for two desk lamps are fitted as standard). M2000 provides the right feature set for all live applications; very clear and straightforward, and easy to reach despite the high density of controls.
- High pass filters A second-order Butterworth hi-pass filter set at 80Hz with an enable switch allows effective. elimination of unwanted low-frequency noise, such as stage rumble.
- Stereo input The stereo input channel features the same microphone pre-amp as the mono channel, including the hi-pass filter. In addition, two line-level inputs are fitted to accept stereo signals. Because the inputs have two independent circuits, it is possible to have all three inputs connected at the same time, providing silent backup in the event of something unexpected happening - (a common occurrence in live sound situations).
- SOLO & MUTE The solo button (with yellow LED indication) switches the signal from the selected channel to the headphone buss and control room speakers. It is possible to choose between PFL (pre-fade listen) in mono or AFL (after fader listen) to evaluate and control a signal within the full stereo image. In addition the level of the "soloed" signal is displayed on the high-resolution LED metering on the master section, without disrupting the metering for the master outputs. The solo switch is situated well away from the mute switch to avoid unintended
- Master B The master B control provides a second, independently switchable stereo or mono master signal which can be used for a variety of purposes. For instance, in stereo it can feed other zones, while in mono it can be used for delay lines or subwoofer feeds. This function is unique to M2000 within this class of console, and also features the extra 10dB of gain on the output.

Dimension



	41772		
10 mm	o nama		2
9	568 mm	T	

Technical Specifications

Mic	2k Balancec
Line	20k Balancec
Input Gain	Continuously variable from DdB to + 80d8
	Continuously variable from - 20dB to + 40dE
	Continuously variable from - 20dB to + 20d
	Odital doday variable from 1 2005 to 1 2005
Maximum Input Level	+ 22dBi
	+ 22dBi
	+ 426B
	+ 28dB
	7 2800
CMR at 100Hz Mic (gain + 40dB)	
CMR at 1kHz	
Mic (gain + 40dB)	> 85dB
Line	> 45dE
Frequency Response (20 to 20kHz)	
Mic to Mix (gain + 60d9)	+ 0dB to - 1dE
	- TOE 10 - TOE
Noise (20 to 20kHz)	- 129dBu
System Noise (20 to 20kHz)	- 129080
System Noise (20 to 20km2)	ers down)90dBu
	pan centre) - 86dBi
PARTIES IN A STATE OF THE STATE	, pari cerine) - 8008
Distortion at 1kHz	Typ 0.00079
Mic to Mix (+30dB gain, + 20dBu output)	
Crosstalk at 1kHz	
	< - 80di
	< - 90d
A LUTHELINGUIST CONTRACTOR OF THE PROPERTY OF	< - 80d6
Fader Aftenuation	>100dE
Switch Rejection	> 100dE
Output Impedance	2242.000.000
Headphones	To drive 32 ohms 32ohms
Maximum Output Level	
Master Outputs on XLR	
	+ 22dBi
Headphones	+ 22dBu/600ohms
Nominal Signal Level	
Mic	- 60dBu to 0 dB
Line	OdB(
Equaliser Mono Channel	
Hi Pass Slope	12dB / Oc
Hi Pass Frequency	
Treble Gain	Treble Gain Continuously variable+ 15 dB to - 15 dB Centre detent = 0d8
	12)
Hi Mid Frequency.	Continuously variable Centre from 400Hz to 8
Hi Mid Bandwith	1 Oct. (Q = 1.4
Lo Mid Frequency	Continuously variable+ 15 dB to - 15 dB Centre detent = 0dB
	1 Oct. (Q = 1.4
Bass Gain	Continuously variable+15 dB to - 15 dB Centre detent = 0d8
	80H:

Equaliser Stereo Channel Hi Pass Frequency... Treble Gain.... Treble Frequency.... .Continuously variable+15 dB to - 15 dB Centre detent = 0dB 12k Hi Mid Gain..... Hi Mid Frequency... .. Continuously variable+15 dB to - 15 dB Centre detent = 0 Hi Mid Bandwidth... ...Continuously variable+15 dB to - 15 dB Centre detent = 0dB Continuously variable+15 dB to - 15 dB Centre detent = 0d Bass Shelving Frequency.....

Features and Specifications	M2000-16	M2000-24	M2000-
Inputs (total) Mono-Inputs (Mio/Line) with Inserts Stereo-Line/Mono-Mio-Input Channels Stereo-Effect-Returns (Line) Stereo-Tape-Return (Line)	30 8 4/4 4	38 16 4/4 4 1 left/right	48 24 4/4 4
Busses Subgroups Aux Pre-Fader (Monitor) Aux Post-Fader (Effects) Aux switchable Pre/Post-Fader Master L/R Mono-PFL Stereo-AFL		15 4 2 2 2 2 2 1	
Outputs Subgroups (with Inserts) Aux Pre-Fader (Monitor) Aux Post-Fader (Effects) Aux switchable Pre/Post-Fader Master (with Inserts) Master B Out (switchable Mono/Stereo, pre-post Fader) Tape Send (Recording) Direct Outputs (1/4 inch Jack) Stereo-Headphones Stereo-Speakers	8	4 impedance balanced 1/4 inch jacks 2 XLR (balanced) 2 impedance balanced 1/4 inch jacks 2 XLR (balanced) 2 XLR (balanced) 2 XLR (balanced) 1 Stereo (Phono) 16 2 Stereo-1/4 inch jack 2 impedance balanced 1/4 inch jacks	24
Size (mm/inch) Width Depth Heights	490/19.3° 568/22.4° 194/7.8°	698 / 27.5° 568 / 22.4° 194 / 7.6°	906/35.7 568/22.4 194/7.6
Weight (kg)	14.5	19.2	24
Power Consumption	100W	120W	150W
Mains Voltage		220V~240V	
Additional Features Connector for desk lamps External Power Supply	Yes	2 x 12V/5W (4-Pin XLR) Yes	Yes
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Block Diagram

