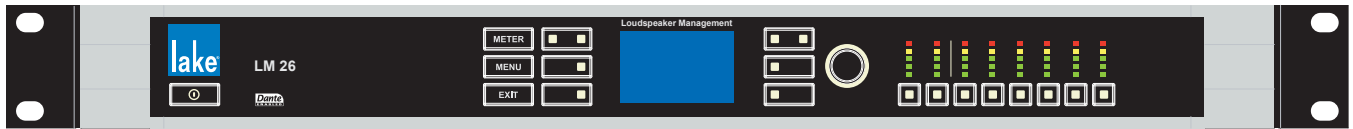


LM 26



Features:

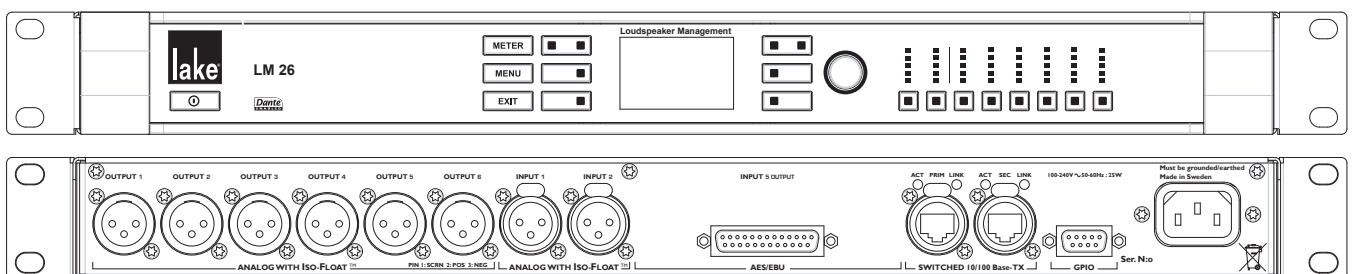
- ▶ **2-in/6-out Lake® Processor**
 - ▶ Raised Cosine Equalization™
 - ▶ Linear phase and classic crossovers
 - ▶ LimiterMax™ peak and RMS limiters
 - ▶ Maximum available delay of 2 seconds
- ▶ **Audio Inputs and Outputs**
 - ▶ Analog with Iso-Float™ ground isolation
 - ▶ Digital AES/EBU
 - ▶ Dante™ by Audinate® audio networking
- ▶ **Full control via Lake Controller software application**
- ▶ **Software configurable GPIO**
- ▶ **Front Panel**
 - ▶ Daylight-readable display
 - ▶ Dedicated mute buttons with LED indication
 - ▶ Keypad and rotary encoder for parameter adjustment
- ▶ **Performance**
 - ▶ High quality A/D and D/A 24-bit conversion
 - ▶ 96 kHz internal sampling frequency
 - ▶ 32-bit floating point internal data path

The LM 26 is a full-featured, 2-in/6-out stand-alone digital audio loudspeaker processor. Based on the highly acclaimed Lake Processing technology, it provides seamless compatibility with Lab.gruppen's PLM™ Series Powered Loudspeaker Management™ systems as well as with all Dolby® Lake Processors and earlier versions of the technology, including Mesa Quad™ and Contour™. The LM 26's easily programmable EQ and delay capabilities allow quick reconfiguration for use as processor and line driver for self-powered loudspeaker applications as well as for systems using separate power amplifiers.

In step with the flexible Lake Processing technology implemented in the PLM Series, the LM 26 will accept audio signals as analog, AES digital, or via Audinate's advanced Dante digital audio network at

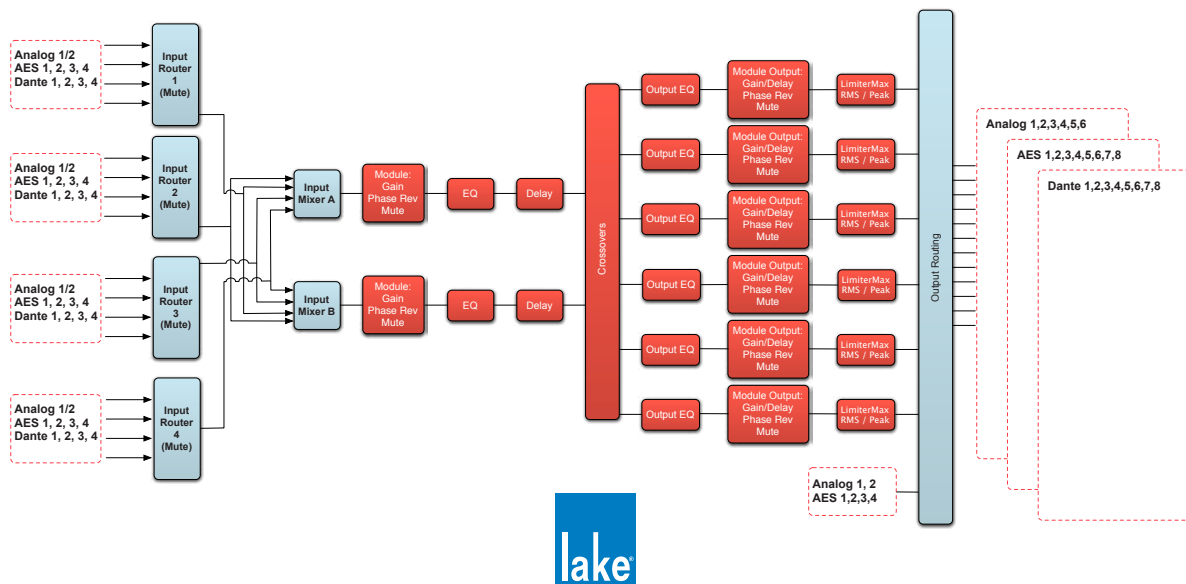
48 kHz and 96 kHz sampling rates. Automatic input priority switching may be enabled, and the unit can function as both an input matrix mixer and Dante break-in and break-out box.

Exclusive Lake Processing features incorporated in the LM 26 include Raised Cosine Equalization; linear phase and classic crossovers; and LimiterMax peak and RMS limiters. The Super Module capability allows flexible grouping of processor channels across separate hardware frames, including prior Lake products and PLM Series units. All functions are controlled via wired or wireless networking by the Windows®-based Lake Controller software application. A universal power supply with detachable mains cable allows worldwide use.



Specifications LM 26

2-in/6-out Lake Processor	
2 Contour modules	
Raised Cosine input equalizer	
Linear phase and classic crossover	
LimiterMax peak and RMS limiter	
Delay, mute, phase	
Audio Performance	
Internal sampling frequency	96 kHz
A/D and D/A conversion resolution	24 bit
Internal data path	32 bit floating point
System propagation delay	<2 ms
Maximum available delay	2 seconds
Front panel interface	
Daylight readable monochrome display	
LED meters and clip indicators per channel	
Mute button and LED per channel	
Rotary encoder for parameter adjustment	
Back panel interface	
Analog inputs and outputs	2 x 6 XLR
AES inputs and outputs	DB-25
Ethernet	Dual Neutrik® EtherCon®
GPIO	DB-9
Power	Locking 3-pin IEC
Ethernet	
1000 Base-T	
Supports dual redundancy	
Analog inputs and outputs	
2 inputs, 6 outputs	
Dynamic range, inputs	>114 dB, 20 Hz to 20 kHz
Dynamic range, outputs	>116 dB, 20 Hz to 20 kHz
Iso-Float ground isolation	
Input sensitivity settings	For digital full-scale 12 and 26 dBu
Maximum output level	21 dBu
AES/EBU Inputs and Outputs	
4 inputs, 8 outputs	
Supported resolutions	Up to 24 bit
Supported sample rates on input	44.1, 48, 88.2, 96, 176.4, 192 kHz
Supported sample rate on output	96 kHz
Dante	
4 inputs, 8 outputs	
Supported sample rates	48, 96 kHz
GPIO	
2 General Purpose Inputs (GPI) supporting external contact closures	
2 General Purpose Outputs (GPO) with internal contact closure	
SW configurable output indication	Standby state, Mute state, Faults, Ready
SW configurable input control	Standby state, Mute state, Dual Preset recall
Device presets	
Frame presets	100
Power	
Operating voltage	85-265 VAC, 30 W maximum
Dimensions (W/H/D)	
W: 483 mm (19"), H: 44 mm (1 U), Overall D: 290 mm (11.5")	
Weight	
5 Kg (11 lbs.)	



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