

ALMA26

DIGITAL PROCESSORS

Digital Loudspeaker Manager



PRODUCT OVERVIEW

ALMA26 is a digital loudspeaker manager including 2 audio inputs and 6 audio outputs, USB interface and 2 volume remote control ports (0-10VDC).

KEY FEATURES

- 2 audio inputs x 6 audio outputs, all balanced
- 24 bits / 48 kHz DSP processing
- 2x20 characters front panel LCD display
- 4 front panel configuration keys + digital encoder
- USB interface and EclerCOMM Manager compatibility
- DSP processing:
 - GAIN, MUTE, POLARITY, etc., per input or output
 - 4 parametric EQ filters per input / 8 parametric EQ filters per output
 - Butterworth, Linkwitz-Riley or Bessel Crossover filters at outputs (up to 48 dB / oct)
 - Inputs and outputs delay
 - Compressor / limiter at outputs, including make-up gain
 - 3 LINK groups (output channels link)
- System templates to create user configurations
- 20 user Presets
- Labels' edition (inputs, outputs, presets and device)
- Password protection system with 2 security modes

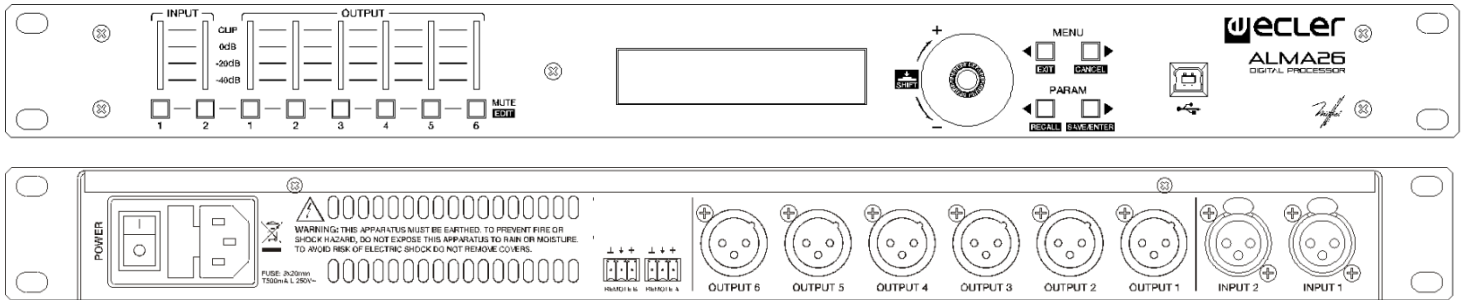
APPLICATIONS

- Permanent installation management system
- Live sound. Monitor management
- Stereo bi or tri-amped general applications

CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE

MECHANICAL DIAGRAMS



TECHNICAL DATA

Input section	
Sensitivity	0dBV
Input impedance	>20k electronically balanced
CMRR	>55dB (20Hz ÷ 20kHz)
Input connector	XLR3 female
Output section	
Nominal Output level	0dBV
Output impedance	300Ω electronically balanced
Output connector	XLR3 male
A/D & D/A	24bit / 48kHz
Frequency response	<10Hz ~ 20kHz
Output noise floor (FFT)	<-115dB (from 20Hz to 20kHz)
THD + Noise	< 0.0028% (1kHz, 1Vrms)
Crosstalk	>95dB, 30Hz ÷ 20kHz
Crossovers filters	
Slopes	6, 12, 18, 24 or 48dB/octave (Filter type dependant)
Type	Linkwitz-Riley, Butterworth or Bessel
Delays	
Input delay / step	1seg / 20,8µs
Output delay / step	1seg / 20,8µs
EQ	
Input EQ quantity	4 per channel
Output EQ quantity	8 per channel
Parametric EQ	
Type	Parametric EQ: Q:03 to 200 Low & High Shelf 6/12 dB/oct Low & High Pass 6/12 dB/oct All pass order 1 or 2
Gain	-60dB ~ +12dB step 0.1dB
Frequency	20Hz ÷ 20kHz
Compressor	
Threshold	-36 / +12dBV
Attack time	0.1 ~ 500ms
Release time	1 ~ 5s
Ratio	1:1 to ∞ :1
General	
Mains	90±264VAC 50/60Hz
Power consumption	25VA
Dimensions W x H x D	482.6 x 44 x 120mm
Weight	1.75kg

All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.
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