

ALMA24 and ALMAcard are digital loudspeaker managers including 2 audio inputs and 4 audio outputs, USB interface and 2 volume remote control ports (0-10VDC). ALMA24 is a 1RU stand-alone processor, meanwhile ALMAcard is its card plug-in interface version, compatible with the DPA amplifier series (it is inserted into its rear panel interface card bay).

Key Features

- 2 audio inputs and 4 audio outputs, all balanced
- 24 bits / 48 kHz DSP processing
- 2 REMOTE ports for inputs or outputs remote volume management using Wpm or compatible wall panels (0-10 VDC)
- USB interface and EclerCOMM Manager compatibility (free download from <http://www.ecler.com/en/products/software.html>)
- DSP processing:
 - GAIN, MUTE, POLARITY, etc., per input or output
 - 8 parametric EQ filters per input / 8 parametric EQ filters per output
 - Butterworth, Linkwitz-Riley or Bessel Crossover filters at inputs and outputs (up to 48 dB / oct)
 - Inputs and outputs delay
 - Peak compressor / limiter at inputs, including make-up gain
 - Peak compressor / limiter at outputs, including make-up gain
 - RMS compressor / limiter at outputs, including make-up gain
 - 2 LINK groups (output channels link)
- System templates to create user configurations:
 - T1: 2 x 1 way stereo
 - T2: 2 way stereo
 - T3: 4 way mono
 - T4: 4 mono outputs (1:4 splitter)
- 20 user Presets
- Labels' edition (inputs, outputs, presets and device)
- Password protection system



Technical Characteristics

		ALMA24
INPUT SECTION	Input impedance	>20k electronically balanced
	CMRR	>55dB (20Hz ÷ 20kHz)
	Input connector	XLR3 female
OUTPUT SECTION	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
Distortion @ 0dBV 20Hz-20kHz		<0.008%
CROSSOVER 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
	Input EQ quantity	4 per channel
EQ	Output EQ quantity	8 per channel

ALMA24

Parametric EQ: Type	Parametric EQ: Q: 0.3 to 200 Low & High Shelf 6/12 dB/oct Low & High Pass 6/12 dB/oct All Pass order 1 or 2 -60 dB ~ +12dB step 0.1dB 20Hz ÷ 20kHz
Gain	
Frequency	
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 consump.	16VA
Dimensions WxHxD	482.6x44x120mm
Weight	1.75kg

Applications

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

Accessories

- **Wpm series** volume remote control panels

DIGITAL PROCESSORS



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 and 6 audio outputs, all balanced, XLR connectors
- 24 bits / 48 kHz DSP processing
- 2x20 characters front panel LCD display
- 4 front panel configuration keys + digital encoder
- 1 backlit front panel key for each input and output (MUTE, ASSIGN and EDIT functions)
- Inputs and Outputs front panel vumeters
- 2 REMOTE ports for inputs or outputs remote volume management using WP or compatible wall panels (0-10 VDC)
- USB interface and EclerCOMM Manager compatibility (free download from <http://www.ecler.com/en/products/software.html>)
- 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:
 - T1: 3 x 1 way stereo
 - T2: 2 way stereo + 1 way stereo
 - T3: 3 way stereo
 - T4: 4 way mono + 2 mono auxiliar outs
 - T5: 5 way mono + 1 mono auxiliar out
 - T6: 6 way mono (1:6 splitter)
- 20 user Presets
- Labels' edition (inputs, outputs, presets and device)
- Password protection system with 2 security modes

Technical Characteristics

ALMA26

INPUT SECTION	Input impedance	>20k electronically balanced
	CMRR	>55dB (20Hz ÷ 20kHz)
	Input connector	XLR3 female
OUTPUT SECTION	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
CROSSOVER 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

ALMA26

EQ	Input EQ quantity	4 per channel
	Output EQ quantity	8 per channel
	Parametric EQ	Type
Gain		-6dB ~ +12dB step 0.1dB
Frequency		20Hz ÷ 20kHz
COMPRESSOR	Threshold	-36 / +12dBV
	Attack time	0.1 ~ 500ms
	Release time	1 ~ 5s
GENERAL	Ratio	1:1 to ∞ :1
	Mains	90+264VAC 50/60Hz
	Power consumption	25VA
	Dimensions WxHxD	482.6x44x120mm
	Weight	1.75kg

Applications

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

Accessories

- See WpM series, volume remote control panels