

The LP26 loudspeaker processor from SAE Audio is a 2-in 6-out processing platform offering an advanced functionality and increased flexibility within the affordable processors segment. Featuring a fully configurable signal routing and output specific functions like crossover filtering, 10 band parametric equalizer, signal delay and level limiter, the LP26 is much more than a simple crossover system. Together with the included Windows user interface software for unit configuration and real-time monitoring, the LP26 is the most useful device to improve the sounding performance of any small or mid sized application.

Features

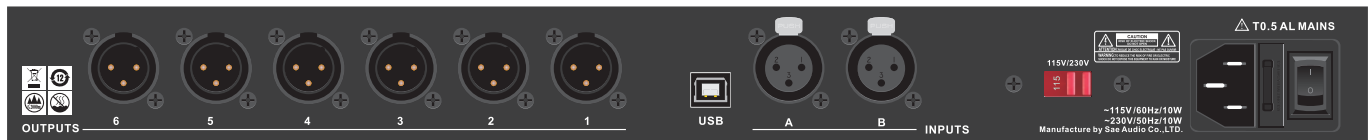
- 2 balanced XLR inputs and 6 matched impedance XLR outputs.
- 96kHz sampling rate with 24bit depth.
- 64 bit digital signal processing.
- 98dB dynamic range.
- Nominal input level at 0dBu.
- Maximum input level at 23dBu.
- Nominal output level at 0dBu.
- Maximum output level at 12dBu.
- Operational frequency range from 20Hz to 20kHz.
- Processing latency below 1ms.
- 16 character LCD display.
- 100 presets memory on hardware unit.
- 220v / 110v AC mains selector.

Applications

- Portable or installed small and mid sized sound reinforcement applications.
- Signal filtering and optimization on multi-way speaker systems.

Functionality

- Adjustable input gain from -48dB to +12dB
- Fully configurable signal routing, any output may be fed from any input.
- Crossover filtering on each output channel with Butterworth (6, 12, 28 and 24db/Octave), Bessel (6, 12, 28 and 24db/Octave) and Linkwitz-Riley (12 and 24db/Octave) filter types.
- 10 band fully parametric (frequency, Q and gain) equalizer on each output channel, with multiple equalization filter behaviors including High and Low Shelves, Band pass, High and Low pass, Bell and Notch filters.
- 5ms delay (aprox. 1.7m) available on each output channel.
- Limiter available on each output channel for added safety of the speakers.
- 180° phase inverter and mute button on each output.
- Full configuration and monitoring from Windows PC computer using onboard USB interface and included software.



LP26 rear panel

Specifications

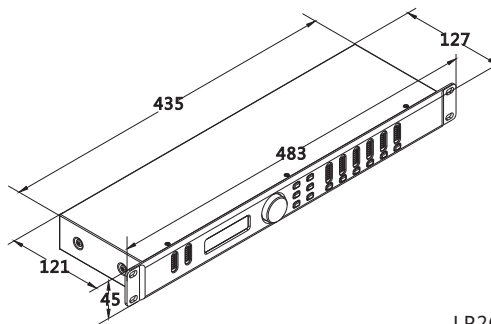
Model	LP26
Mains power	Plugable US standard 6.5A power wire. AC 115v / 230v / 50~60Hz. $\pm 10\%$
Inputs	2 balanced inputs
Outputs	6 unbalanced outputs
Input impedance	> 10k ohms.
Output gain	From +12dB to -50dB, 0.25dB increment
Input gain	From +12dB to -50dB, 0.25dB increment

Other Parameters	
Frequency response (-0.3dB)	20Hz - 20kHz
THD+N	< 0.05%
Max delay	5ms
Dynamic range	> 98dB
Minimum load impedance	600 ohms
Maximum output level	+9dBu (600 ohms load)
Sampling rate	96kHz, 24 bit depth
Crossover / EQ operational frequency band	20Hz - 20kHz
Crossover filtering	Bessel, Butterworth (6, 12, 24 and 48dB/Octave), Linkwitz-Riley (12 and 24dB/Octave)
10-band EQ type	Bell, Notch, All Pass, Band Pass, Low/High Pass, Low/High Shelf
Equalizer gain	Adjustable from -12dB to +12dB
Equalizer Q	Adjustable from 0.2 to 25
Phase inversion	Yes
Limiter release time	Adjustable from 10 to 100
Limiter threshold	Adjustable from -48dB to 9dB
LCD display	2 x 16 character
Password protection	Yes
Device presets	50
Language options	English, Germany, Spanish, French, Dutch

Connectors	
Signal inputs	XLR Female socket
Signal outputs	XLR Male socket
Computer link	USB
Mains power	3 cores ICE socket

Dimension / Weight	
Product dimensions (mm)	483 x 127 x 45 (1U)
Packing dimensions (mm)	525 x 195 x 110 (1U)
Weight	3kg

Dimension (mm)



LP26

SAE reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.