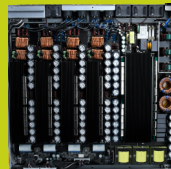




Description

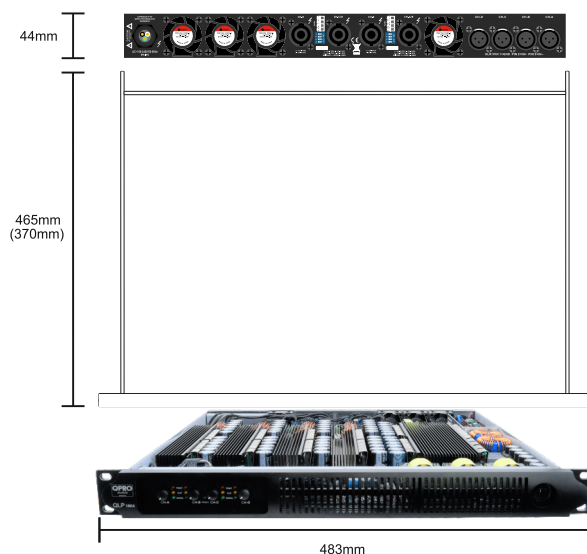
The QLP-Series amplifiers are digital four-channel amplifiers with power factor correction technology. All QLP models have a very high-efficient switch mode power supply, which ensures best and stable performance even at full power. Our digital amplifier technology, together with the use of best selected electronic components allows the 2 Ohm use of all four channels at same time with a maximum power of 4 x 5000 watts, packed in a lightweight and compact size of 1U. The QLP-Series is equipped with a switch on the back panel to adjust the Input gain to 29dB, 32dB, 38dB and 41dB to match with other devices. Four SPEAKON outputs are mounted at the rear side. The SPEAKON connector of the output channel A (1+/1-) is connected with all four poles and offers the output signal of channel B at the pins 2 (+/-). Channel C + D is equipped with the same wiring. This four-pole connection makes it easy to connect a Sub / Sat system with one cable only. The QLP-Series can be switched into stereo, mono and bridge mode. In mono mode the input signal from channel A is linked to the output channel A + B, and input C is linked to output C + D. In bridged mode the connection is 1+/- on output A and output C. The Clip limiter can be switched On/Off on all channels.



Functions



Icon	Function	Icon	Function	Illustration	GAIN(dB)	QLP 18K4	QLP 12K4
	Power supply input 3 x 2,5mm ²		SIGNAL	More than "-32dB", LED is green.	29	—	3.17V
	Signal input		CLIP	More than 1% distortion, LED is yellow.	32	3.18V	2.25V
	Gain switch		FAULT	Protection, LED is red.	35	2.25V	1.59V
	Mode switch		POWER	Power On, LED is green.	38	1.59V	1.13V
	Clip switch				41	1.13V	—
	Speakon						



Technical Data

Model		QLP 18K4	QLP 12K4
Rated Output Power(THD+N=1%, 1kHz continue sine wave, all channel driving)	8Ω/Stereo	4X2000W	4X1000W
	4Ω/Stereo	4X3400W	4X1700W
	2Ω/Stereo*	4X4800W	4X3000W
	16Ω/Bridge	2X4000W	2X2000W
	8Ω/Bridge	2X6800W	2X3400W
	4Ω/Bridge*	2X9520W	2X5780W
Output RMS voltage(THD+N=1%, 1kHz)		126.5V	89.4V
Slew rate(1kHz, low-pass filter bypassed)		50V/us	
Sensitivity(Rated Power,1kHz)		Selectable 41dB 38dB 35dB 32dB	Selectable 38dB 35dB 32dB 29dB
THD+N(10% Rated Power, typical)		0.01%	
IMD-SMPTE(10% Rated Power, typical)		0.01%	
DIM30(10% Rated Power, typical)		0.01%	
Cross-talk(20Hz-1kHz,below Rated Power)		≥90dB	
Frequency response(10% Rated Power,20Hz-20kHz,8Ω)		±0.2dB	
Input impedance		20kΩ (Balance) , 10kΩ (Unbalance)	
Damp factor(8Ω,20Hz-200Hz)		≥5000	
SNR(A weighted 20Hz-22kHz)		≥107dB	
Main power		90~260VAC, 50~60Hz	
Protection		Under voltage, DC, Over temperature, Over load limiter, Short protection.	
Size(W×H×D)		483x45x465mm	483x45x370mm
Net weight		12kg	9kg

* Test condition: 20ms,1kHz,THD+N=1%.