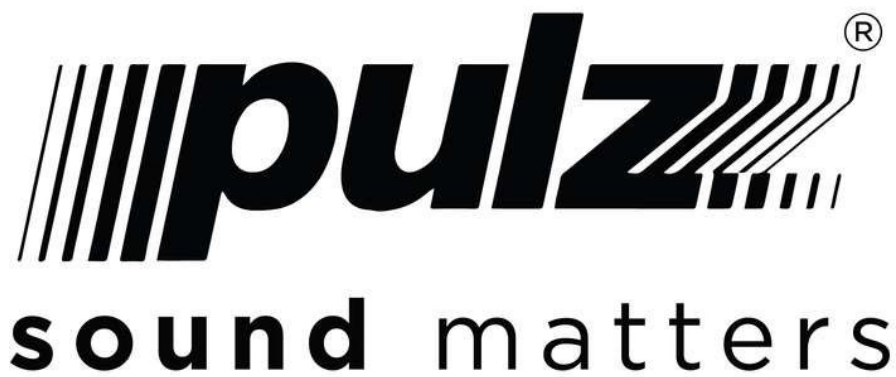




PZX047

The Pulz XO47 is a dedicated active two way cinema analog crossover designed to maximize the performance of the Pulz cinema speaker systems. It has 4 balanced inputs and 7 balanced outputs for the Left, Centre and Right screen channels and one Subwoofer channel in a 1U rack space chassis.

The filters are 24dB/octave Linkwitz Riley configured with low noise OPAMPS and close tolerance components. The additional features include subsonic roll-off, delays, CD horn EQ and screen loss equalisation. Externally accessible thumbwheel switches are provided for HF, LF and BM level settings.

The Pulz XO47 can be configured for the Pulz EM1/EM3/ESM4/ESM5/ESM6/ESM7/WM2 cinema speaker systems in Biamp mode.

The Pulz XO47 also offers optional facility of bass management.

The Pulz XO47 has emergency (EMG) switching. In situations when center channel amp or speaker fails, the center channel signal can be fed to Left and Right channels by activating the EMG switch. Hence, maintaining the Center channel signal (dialog) audible via Left and Right channels to continue the running show without disruption.

A sturdy rack mountable chassis, built in robust DC power supply and Phoenix type input output terminals ensures long-term reliability in all types of cinema projection booths.

FEATURES

- Active two way cinema analog crossover
- Filters are 24dB/octave Linkwitz Riley
- Selectable Three crossover frequencies 250Hz, 500Hz, 1.2KHz
- Emergency (EMG) switching for feeding the center channel signal to left and right channels
- Summed LCR signal for Subwoofer bass management.

SPECIFICATIONS

Filters	24dB/octave two way Linkwitz Riley. 24dB/octave Linkwitz Riley Subsonic Filter 30Hz/100Hz for LCR LF independently selectable for each channel by DIP switch internally.
Crossover Frequencies	250Hz, 500Hz, 1.2KHz independently selectable for each channel by DIP switch internally.
Input -	20K Ω Balanced
Impedance	Male 3-pin Phoenix
Connector	+27dB
Max input Level	150 Ω Balanced
Output-	Male 3-pin Phoenix
Impedance	+27dB
Connector	
Max. Output Level	
Signal To Noise Ratio	>90dB (LF & HF out)
THD	0.007%
HF & LF Levels	Adjustable independently for each channel via front panel thumb wheel switch.
LF phase	Selectable by header internally-independently for each channel
LF delay	OFF/0.3mS/ 0.7mS/1.4mS selectable by header internally-independently for each channel
Screen loss pre-emphasis:	selectable by header internally-independently for each channel
OFF	No pre-emphasis
Small horn (SH)	+5dB @ 14KHz
Large horn (LH)	+10dB @ 14KHz
Sub woofer output :	
LPF Filter	Fixed factory set 150Hz 24dB/octave Linkwitz Riley
Subsonic Filter	Fixed factory set 30Hz 18dB/octave BW
Bass management	LCR summing selectable by header internally
Sub woofer BM level	Adjustable via front panel thumb wheel switch.
Power requirement	230 – 240V AC, 50Hz – 60Hz
Power consumption	10W
Unit Dimensions	W 19" (482 mm) x H 1.75" (44mm) x D 10.5"(266.7mm)
Net Weight	4 kg
Packed Weight	5 kg

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