

PowerBox 6pro core

“analog precision”



- For **analog LXmini, LXmini+2 and LXstudio** operation.
- High-End Analog Signal Processor feeds six Hypex **Ncore** amps.
- Tailored performance: 2x100W, 2x125W, 2x250W, 2Ohms OK
- **Slim & quiet, fan-less design. Massive 3mm full aluminum case with stainless steel front plate:** ca. 44 x 36 x 5,5 cm
- Professional, high current, heavy duty **Neutrik SpeakON** output plugs: Two SpeakONs replace 12 (!) “banana” plugs
- High-End ASP with selected components.
- Balanced signal input. RCA adaptor cable available.
- Available (€2490) worldwide from www.magicLX521.com

Plus S&H. EU residents add 19% VAT

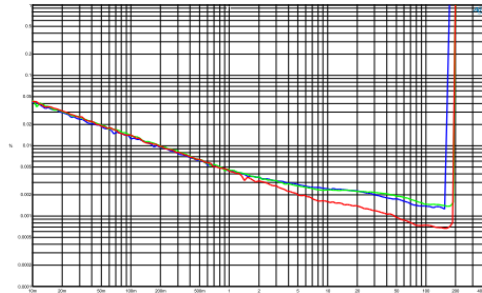
3.4 Ncore Amplifier Specifications

Parameter	Conditions	Symbol	Min	Typ	Max	Unit	Note
Peak Output Power	1KHz, THD=1%, All channels driven. Per channel.	$P_{R, 2\Omega}$	-	-	180	W	
		$P_{R, 4\Omega}$	-	-	250	W	
		$P_{R, 8\Omega}$	-	-	200	W	
Continuous Output Power	Per channel, 25°C ambient temperature.	$P_{R, cont}$	-	50	-	W	1)
Distortion	<10Hz-20kHz AES17 $P_{out} < P_R/2$	THD+N	-	0.00	0.00	%	2)
	<10Hz-20kHz AES17 $P_{out} = 1W$		-	-	0.00	15	%
CMRR			-	71	-	dB	
Signal-to-Noise Ratio	<10Hz-20kHz AES17		-	121	-	dB	
Output Noise	Unwtd, <10Hz-20kHz AES17, 0Ω termination	U_N	-	-	30μ	V	
Output Impedance	f<1kHz	Z_{OUT}	-	-	1.5	mΩ	
	f<20kHz		-	-	3.5	mΩ	
Power Bandwidth		PBW		20-35k		Hz	
Frequency Response	+0/-3dB. All loads.		10	-	50k	Hz	
Voltage Gain		A_V	25	25.5	26	dB	
Efficiency	Full power	η	-	92	-	%	
Idle Losses	Per channel	P_0	-	3.5	-	W	
Current Limit per Ch	Hiccup after limiting 40ms		-	17.5	-	A	

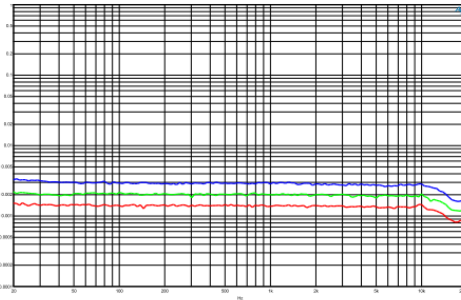
Note 1: Typically this is 1/5 of the peak output power. Apply sufficient cooling.

Note 2: An Audio Precision AES17 20 kHz is used during this measurement.

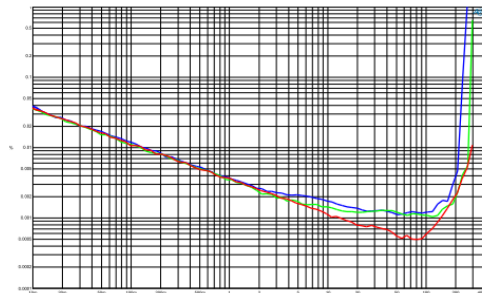
Typical Performance Graphs



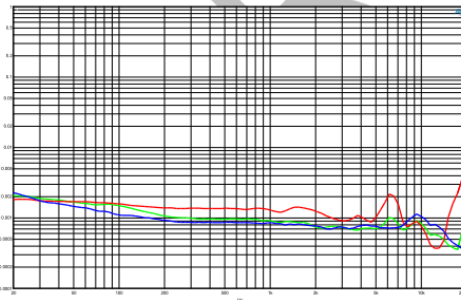
THD+N vs. power at 100Hz (blue), 1kHz (green) and 6kHz (red) (2Ω).



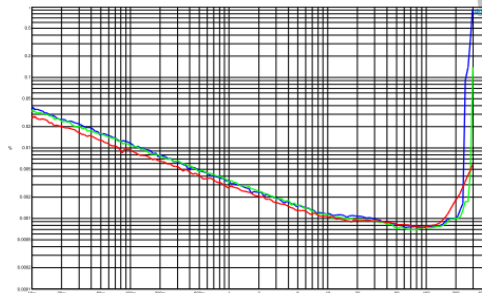
THD+N vs. Frequency at 1W in 2Ω (blue), 4Ω (green) and 8Ω (red).



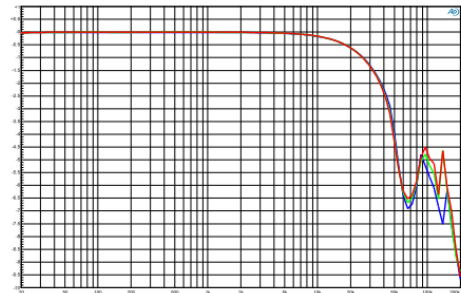
THD+N vs. power at 100Hz (blue), 1kHz (green) and 6kHz (red) (4Ω).



THD+N vs. Frequency at $P_R/2$ in 2Ω (blue), 4Ω (green) and 8Ω (red).



THD+N vs. power at 100Hz (blue), 1kHz (green) and 6kHz (red) (8Ω).



Frequency response in 2Ω (blue), 4Ω (green) and 8Ω (red).