

X Series

2 XS | 2XM | 2 XL | 2XXL

2 - Channel High Performance Amplifier Systems for Install Applications



**GORILLA
LIMITERS**



**Anti Distortion
PSL PREAMPS**



**Better Heat
Resistance**



Features

- Industry Leading PSL Preamps for better distortion control & strong signal amplification
- Gorilla Limiters for better system protection against peak loads
- Robust & Sturdy Amplifiers, built for continuous use in installation applications
- 4-Layer Heat & Temperature Protection & Dust Entry Resistant Design
- 2U & 3U Rack-space Models for a compact & powerful performance

The X Series amplifiers are engineered for precision & reliability. The series contain 4 amplifier modules, which can ably complete any High Performance PA application.

The series consists of 2 Channel Power Amplifiers delivering between 850W - 2500W @ 4 Ohms, per channel

Each amplifier in the series offers Balanced XLR Inputs & Link Outs to daisy chain a series of amplifiers in a large venue without the need of any external splitters, split cables or routers. Speakers can be connected to the Speak-on Outputs or the Binding posts as per the integration requirements.

The amplifier systems allow you to select a preferable input

sensitivity as per your system output.

The S Series is engineered with our proprietary gorilla limiters which offer unmatched protection against distortion. The amplifiers can handle a stable 2 Ohms load at high power with minimal distortion owing to their carefully designed toroidal transformers and circuitry.

Another factor of excellence on the X Series is the dampening factor on the amplifiers. The 2XS, 2XM & 2XL offer a dampening factor of 400. The 2XXL has been designed differently to handle better low & low-mid (180 Hz & below) frequencies, owing to a higher dampening factor of 550.

Stereo Mode	2 XS	2 XM	2 XL	2 XXL
<i>(Both Channels Driven)</i>				
8Ω (20Hz - 20kHz)	400W	900W	1300W	1200W
4Ω (20Hz - 20kHz)	850W	1650W	2500W	2400W
2Ω (20Hz - 20kHz)	1400W	2200W	3200W	3000W
Bridged Mode				
<i>(Mono)</i>				
8Ω (20Hz - 20kHz)	1600W	3000W	4100W	4000W
4Ω (20Hz - 20kHz)	2500W	4000W	6400W	6000W
Audio Specifications				
Signal to Noise Ratio 8Ω (20Hz - 20kHz)	> -100	> -100	> -100	> -100
Distortion	< 0.01%	< 0.01%	< 0.01%	< 0.01%
Input Sensitivity at 8Ω	1.23V (+4.0 dBu)	1.23V (+4.0 dBu)	1.42V (+5.3 dBu)	1.42V (+5.3 dBu)
Voltage Gain	40x (32 dB)	50x (34 dB)	64x (36 dB)	64x (36 dB)
Circuit Design	Class AB	Class H	Class H	Class TH
THD @1Hz, Full Power	< 0.02% THD / 4Ω and 8Ω			
THD @20-20kHz	< 0.02% THD / 4Ω and 8Ω			
Frequency Response	20 Hz - 20 kHz			
Damping Factor	> 400 at 8Ω	> 400 at 8Ω	> 400 at 8Ω	> 550 at 8Ω
Input Impedance	10k ohms unbalanced / 20k ohms balanced			
Input Clipping	10 Vrms (+22 dBu)	6.4 Vrms (+18 dBu)	6.4 Vrms (+18 dBu)	6.4 Vrms (+18 dBu)
Other Specifications				
Cooling	4-Step Temperature variable speed fan, back-to-front air flow			
Input Connectors	Active balanced XLR			
Output Connectors	Touch-proof binding posts / Neutrik Speakon®			
Indicators	Power, Signal, Clip & Protect			
Amplifier Security	Full short circuit, open circuit, thermal, ultrasonic, RF protection. Stable into reactive or mismatched loads			
Limiters	Gorilla Limiters for better system protection			
Dimensions				
Rackspaces	2 RU (3.5")		3 RU (5.25")	
Width	19" Rack Mount			
Depth	19"	19"	25"	25"
Weight	21.5 kgs	23.5 kgs	30 kgs	41.5 kgs
Power Draw				
1/8th Power, Pink Noise	6.3A	8.2A	13.9A	14.2A
1/3rd Power, Pink Noise	15.6A	18.8A	26.9A	27.3A
Power Supply				
High Output Toroidal Transformer Based Power				
Power Cord (120V)	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15
Power Cord (230V)	CEE7/7	CEE7/7	CEE7/7	CEE7/7