

ZEUS 404X

4-CH LOW-IMPEDANCE 4X400W POWER AMPLIFIERS WITH CROSSOVER

ZEUS X Series is ideal for low-impedance multi-channel installations with power ratings between 200W and 800W RMS @ 8ohm per channel. It is a 4-channel, Class-H series with excellent sound and maximum reliability. It is possible to use in Stereo, Parallel and Bridge mode (CH1-2 / CH3-4).

Each channel integrates a crossover with a low-pass filter, for use with both full-range systems and subwoofers, without the need for external processors. The protection system includes the signal limiter, on-off muting, DC-offset detection, thermal protection, and current limiting. The cooling system is extremely efficient and controls the speed of the two fans in order to ensure excellent noise reduction.

The quality of copper used for power transformer, the selected capacitors and power transistors, and the precision of filters make ZEUS X Series amplifiers absolutely stable, reliable in any installation or live application.



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HIGHLIGHTS



MULTI-CHANNEL SOLUTION EVEN WITH HIGH SOUND PRESSURES

There are more and more fixed installations where maximum audio quality and high sound pressure are required. Just think of the increasing number of disco-pubs, restaurants, pubs, accommodation facilities such as hotels and holiday resorts where there is not only background music or PA.

ZEUS X by HELVIA is the answer to the request for 4-channel power amplifiers from 200W to 800W per channel, reliable and built with selected active and passive components.

RELIABILITY AND SOUND QUALITY

Every professional knows that the H-class is now a well-established and reliable architecture; as well as being particularly suitable for medium-high power applications. What we tend to forget is that this type of amplifier has a good level of energy efficiency, a very low level of distortion and can regulate the working voltage of the terminals and the absorption in proportion to the output power. This can be done without a digital processing but with a keen eye to the budget, if compared to other Classes.



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VERSATILITY AND COMPACTNESS

ZEUS X integrates for each of the 4 channels a real analog processor with analog Limiter and Crossover. The VCAs and filters are of the highest quality. The cutting frequencies of the crossover are adjustable between 25Hz and 150Hz. This is particularly appreciated by installers in all those situations "on-the-fly" where remote control or other sophistications are not required, because it allows you to create stereo systems combined with subwoofers without using external Speaker Management Systems. The 4 channels can be connected in Parallel or in configuration.

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PRODUCT DETAILS

KEY FEATURES

Power: 4x400W @ 8ohm in 2U

High-quality components and Class-H consolidated technology for maximum reliability

4-Channel 2U high performance and multi-function design, with independent sweepable low-pass filters on each-channel

Variable-speed fans for quiet and efficient cooling

Full protection system includes signal limiter, on-off muting, DC-offset detection, thermal protection, and current limiting

SPECIFICATIONS

| | |
|-----------------------------|-------------------------------|
| 8? Stereo Output Power | 400W |
| 4? Stereo Output Power | 600W |
| 8? Bridge Output Power | 1300W |
| Input Sensitivity | 0,775V / 1,2V / 2,5V |
| Input Impedance | >10K?, balanced or unbalanced |
| Frequency response (1W, 8?) | 20Hz-20kHz, +1/-1dB |
| THD (1W @ 1m) | < 0,1% |
| Damping Factor | 300 |
| Crosstalk | > 70 |
| S/N Ratio | ? 100dB |
| Amplifier Class | H |
| Power Requirements | 220V – 50/60Hz |

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| | |
|---|---|
| Power Consumption (Average/Peak) | 420W/1350W |
| Input Connectors | 3-Pin Female XLR |
| Output Connectors | Female Speakon® |
| Link Connectors | 3-Pin Male XLR |
| Cooling | 2 fans with variable speed according to internal temperature. Airflow from front panel to rear. |
| Dimension (WxDxH) | 483 x 463.5 x 89 mm (12.27 x 11.77 x 2.26 in) |
| Rack Mount | Yes, 2x 19" Rack Units |
| Packing Size (WxDxH) | 570 x 580 x 155 mm (22.44 x 22.83 x 6.10 in) |
| Net Weight | 24,5 Kg (54.01 lbs.) |
| Gross Weight | 28,5 Kg (62.83 lbs.) |