

# XR SERIES POWER AMPLIFIERS

**POWERFUL, HIGH PERFORMANCE  
...AND AFFORDABLE PRICES**



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# About XR Series



The new XR series of power amps consists of 5 models. The XR3500, XR3000, XR2500, XR1500 and XR800 which deliver 1,000, 700, 500, 330 and 200 watts per channel into 8Ω respectively.

All models feature XLR thru connectors, making cable management and daisy-chaining easy for installers or when used in flight cases. All models feature full circuitry protection for thermal, over current, DC, output short circuit along with power on/off muting. All models also feature ultra quiet variable speed fans.

Rear panel mode switches allow for selection between Parallel, Stereo and Bridge modes along with input level sensitivity switching.

Large front air vents and steel construction aid heat dissipation to ensure the long life and reliable performance that comes with any Wharfedale Pro amplifiers. Meanwhile, a huge toroidal transformer takes care of any AC power fluctuations.

XR amplifiers bring power, reliability and performance into a new price category.



# On the outside

*XR Series feature practical rear panel switches and connections to make installation easy and configurations to be versatile.*



## LINK CONNECTORS

Each channel features a balanced link output connector. This makes daisy-chaining quick, tidy and improves overall system reliability.

## STEREO, BRIDGE AND PARALLEL MODES

- STEREO mode makes the two channels work independently. CH1 input signal goes to CH1 output and CH2 signal goes to CH2 output.
- BRIDGE mode makes CH1 input signal go to the BRIDGE output socket. This is controlled by using the CH1 volume control.
- PARALLEL mode makes CH1 input signal go to both CH1 and CH2 output sockets. The input socket of CH2 has no effect. The channel volumes can be adjusted independently.

## SWITCHABLE INPUT SENSITIVITY

With switchable 0.775V and 1.4V input sensitivity options, it is easy to connect different front-end systems.



## FULL STEEL FRONT VENTS

Strong steel grilles are used to aid airflow. Air is pulled from front to back by the huge fans in the rear.

## INDEPENDENT CHANNEL LEDS

Clear green, yellow and red LEDs show the amp status, even from a distance.

# On the inside

## Hi-Fi GRADE INPUT STAGES

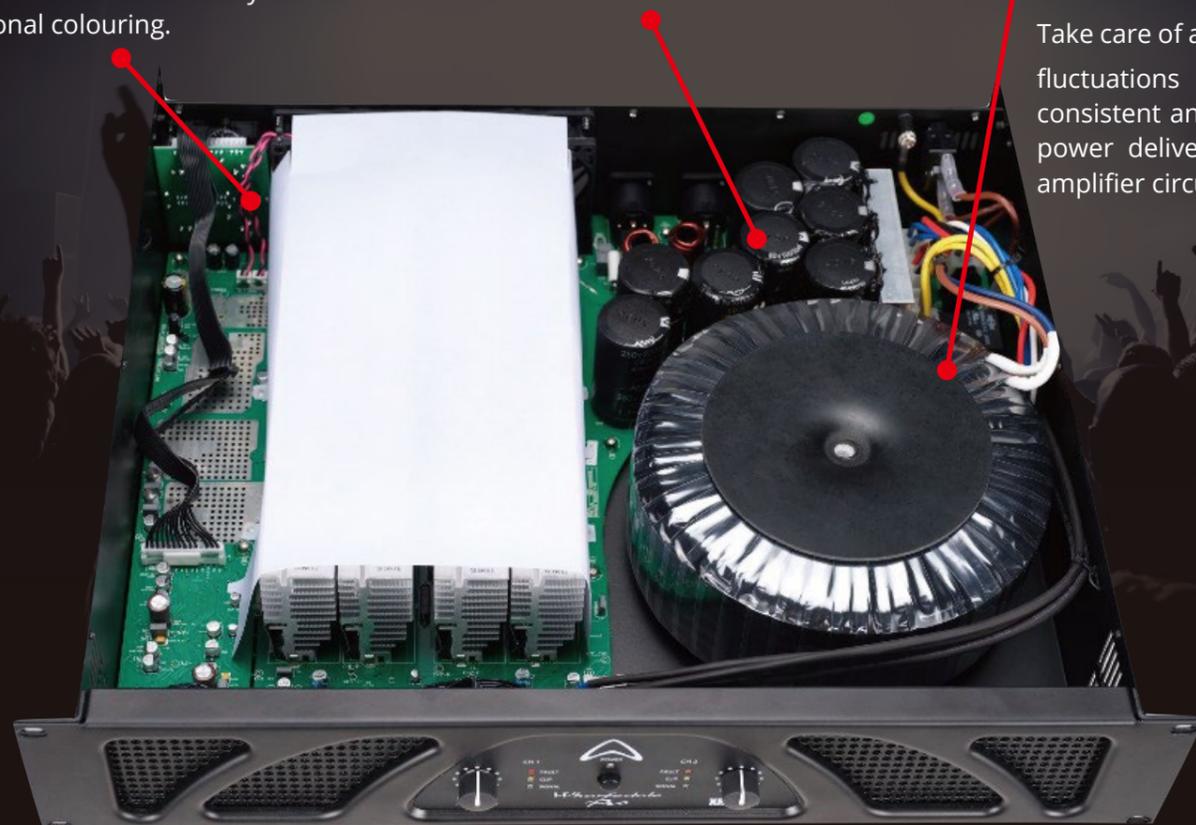
The input stage pre-amps use Hi-Fi grade components. This ensures a clean and transparent sound without any added tonal colouring.

## MASSIVE CAPACITORS

deliver smooth power output to the amplifier stages. This smooth power allows for sustained low frequency power.

## HUGE TOROIDAL TRANSFORMERS

Take care of any power fluctuations ensuring consistent and reliable power delivery to the amplifier circuitry.



## PROTECTION

XR series amplifier feature multiple protection systems which are activated to protect both the amplifier itself and the speakers which are connected. These include complete short circuit protection, no-load protection, overheating protection and over current protection.

There is even a radio interference circuit and a switch noise suppression circuit to prevent 'thumps and bumps' being pushed to the connected loudspeakers.

Model	Watts per channel 8Ω
XR800	200w
XR1500	330w
XR2500	500w
XR3000	700w
XR3500	1000w

- An affordable series of robust power amps
- Designed and built for total reliability
- Installation | Live sound | Touring
- Huge toroidal transformers
- Input sensitivity switching
- Full circuit protection

# Specifications

Model Name	XR800	XR1500	XR2500
Stereo Power Output : RMS			
8Ω x 2	200w	330w	500w
4Ω x 2	300w	450w	750w
Bridged Mono Power Output : RMS			
8Ω	600w	900w	1500w
Frequency Response(+/-10dB)	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Topology	Class AB	Class H	Class H
Inputs	2 x XLR	2 x XLR	2 x XLR
Outputs	2 x NL4 (speakON compatible) 2 x XLR link	2 x NL4 (speakON compatible) 2 x XLR link	2 x NL4 (speakON compatible) 2 x XLR link
Input Sensitivity & impedance			
Sensitivity	0.775V or 1.4V	0.775V or 1.4V	0.775V or 1.4V
Balanced XLR input Impedance	20KΩ	20KΩ	20KΩ
Maximum Input Level	22dBu(9.7Vrms)	22dBu(9.7Vrms)	22dBu(9.7Vrms)
Voltage Gain	29dB	31dB	33dB
Slew Rate	>10V/us	>10V/us	>10V/us
Crosstalk	<-75dB	<-75dB	<-75dB
S/N	>100dB	>100dB	>100dB
Distortion (1W)	<0.05%	<0.05%	<0.05%
Damping Factor (8), 10 Hz-400 Hz	>200	>200	>200
Dimensions	482 mm x 88 mm x 325 mm	482 mm x 88 mm x 325 mm	482 mm x 88 mm x 325 mm
Net Weight	12.0kg	13.3kg	14.0kg
Gross Weight	15.20kg	16.35kg	17.2kg

Model Name	XR3000	XR3500
Stereo Power Output : RMS		
8Ω x 2	700w	1000w
4Ω x 2	1000w	1350w
Bridged Mono Power Output : RMS		
8Ω	2000w	2700w
Frequency Response(+/-10dB)	20Hz - 20kHz	20Hz - 20kHz
Topology	Class H	Class H Level - 3
Inputs	2 x XLR	2 x XLR
Outputs	2 x NL4 (speakON compatible) 2 x XLR link	2 x NL4 (speakON compatible) 2 x XLR link
Input Sensitivity & impedance		
Sensitivity	0.775V or 1.4V	0.775V or 1.4V
Balanced XLR input Impedance	20KΩ	20KΩ
Maximum Input Level	22dBu(9.7Vrms)	22dBu(9.7Vrms)
Voltage Gain	36dB	36dB
Slew Rate	>10V/us	>10V/us
Crosstalk	<-75dB	<-75dB
S/N	>100dB	>100dB
Distortion (1W)	<0.05%	<0.05%
Damping Factor (8), 10 Hz-400 Hz	>200	>200
Dimensions	482 mm x 88 mm x 325 mm	482 mm x 88 mm x 390 mm
Net Weight	14.1kg	18.0kg
Gross Weight	17.3kg	21.3kg