

AURA Series

Flagship Loudspeaker Range

 W H A R F E D A L E



Recommended Retail Price:	AURA 1	£1,499
	AURA 2	£1,999
	AURA 3	£2,999
	AURA 4	£3,999
	AURA C	£1,299
	AURA CS	£1,099
	AURA 1 Stand	£899
	AURA 2 Stand	£999

Availability

Order:	May 2023
Shipping:	June 2023

OVERVIEW

The new **AURA series** continues the **Wharfedale** tradition of offering exceptional performance and value for money with a range of speakers that provide the home listener and dedicated audiophile a combination of monitor-class audio transparency and class-leading levels of musical enjoyment.



Borrowing heavily from the advanced technology of the elite ELYSIAN research project, **AURA** features the **Wharfedale** AMT high-frequency transducer, glass fibre matrix midrange and bass cones, the SLPP port system and multi-layer cabinets.

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Something of an AURA

AURA is the latest innovation in the family of class-leading **Wharfedale** speakers. Taking inspiration from the flagship ELYSIAN series through fit, finish and technological derivatives, **AURA** is another boundary-breaking model that challenges the norms of value while delivering all the detail, energy and thrill of your music collection with a class-leading performance but with a class-defying price tag.



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AURA AMT

- Equipped with the now world-famous **Wharfedale** AMT transducer, each **AURA** model emits breathtaking high-frequency definition.
- Unlike conventional dome or other ribbon and planar diaphragms, the **Wharfedale** AMT high-frequency transducer does not move forwards and backwards like a piston. It is, therefore, not constrained by the mass of its diaphragm, with the attendant blurring of transient response. Instead, the diaphragm is folded and carries conductive elements immersed in an immensely strong magnetic field. Not only is this an efficient way of moving air, but it is also highly accurate as the diaphragm is under close control of the motor system at all times. The result is a wide bandwidth transducer that achieves extremely low distortion and extraordinary musical detail, with scintillating speed and dynamic ability.

AURA Cones

- As **Wharfedale** engineers found when designing the flagship ELYSIAN series, the transient accuracy and efficiency of the AMT need to be matched by the midrange and bass drivers for a seamless audio performance. Accordingly, **AURA** also uses a proprietary woven glass fibre matrix diaphragm for the midrange and bass cones terminated by high-flexibility rubber surrounds. The voice coils driving the cones are immersed in high flux magnetic fields, with eddy currents and inductance controlled by copper-clad pole pieces.
- These low-distortion motor systems are mounted on die-cast aluminium chassis, each fixed to the cabinet by six high-tensile bolts to maintain the rigidity of the structure and provide an accurate transient response. The rubber trim rings surrounding each chassis are not just a decorative feature but also control any resonance occurring at the junction of the aluminium chassis and wood cabinet.



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SLPP

- Wharfedale's SLPP (Slot Loaded Profiled Port) bass reflex design was developed from the original idea of Gilbert Briggs, the entrepreneur who set up and ran **Wharfedale** from 1932 to 1964. In the **AURA series**, the high-pressure, high-velocity airflow from a downward-facing port is better matched to the low air pressure in the room by distributing the airflow through a series of slot ports in the plinth. This porting reduces unwanted turbulence from the port and improves the efficiency of the bass reflex system – another now design staple of the **Wharfedale** brand.

AURA Crossover

- The crossover is at the heart of every loudspeaker, weaving the overall performance into a 'sum-of-all-parts'. **Wharfedale** were one of the first domestic speaker manufacturers to utilise a crossover to divide the frequency band between drive units that were each optimised for bass, midrange and treble.
- With 90 years of learning, not to mention the benefit of having one of the world's most respected crossover architects leading the development, in the form of Peter Comeau, IAG's Director of Acoustic Design, the sophisticated crossover networks are fine-tuned over hundreds of hours of listening tests to ensure a seamless blend between the drive units.
- As with all **Wharfedale series**, only the highest grade, acoustically transparent components are used throughout the crossover network, ensuring all the musical detail is heard.



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AURA Cabinet

- **AURA** cabinets are, in many ways, a work of art. Available in Black, White and a feature-grained Walnut natural wood veneer, each cabinet is then lacquered and polished to present a beautiful piece of furniture you will be proud to have in your home, akin to that of the significantly higher priced ELYSIAN series. The smooth curves of the cabinet are more than just eye-catching. They help to disperse the acoustic output of the drive units smoothly into the room without undesirable reflections from otherwise sharp edges.
- Underneath the polished lacquers lie cabinet walls built from multiple layers of differing woods, designed to reduce panel resonance below audibility. This multi-layer construction, PROS (Panel Resonance Optimisation System), has a further benefit - it inhibits the leakage of unwanted sound energy from inside the cabinet, which would otherwise interfere with the forward output of the drive units.

AURA in Application

- The **Wharfedale AURA series** comes in the form of **AURA 1** and **2** stand-mount options. Each is offered with optional but suitably striking, custom-engineered stands. Like the speakers they present, the **AURA** stands use the finest materials, such as dark chrome trims matching and exemplifying the attention to detail and sheer quality of the build on offer.
- Floorstanding options of **AURA 3** and **4** are accompanied by centre channels in **AURA C** and the more compact **AURA CS** for pulsating, thoroughly entertaining home theatre configurations.
- Based on the recent award-winning history of **Wharfedale** Diamond 12, EVO4 and the industry-revered ELYSIAN series, **Wharfedale AURA** confidently ventures into a new territory and segment.

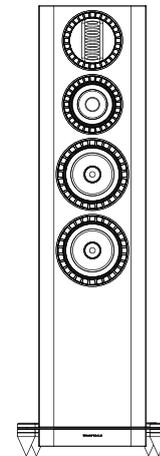
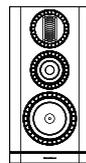
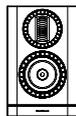


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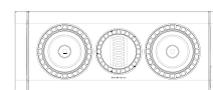
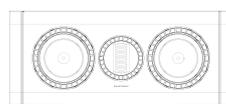
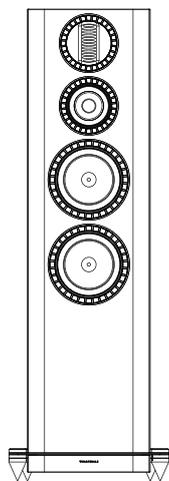
SPECIFICATIONS



Model	AURA 1	AURA 2	AURA 3
General description	2-way bookshelf speaker	3-way bookshelf speaker	3-way floorstanding speaker
Design philosophy and core technology			
Enclosure type	bass reflex	bass reflex	bass reflex
Transducer complement	2-way	3-way	3-way
ABR			
Bass driver	5"(130mm) Black Glass Fibre Matrix Cone	6.5"(150mm) Black Glass Fibre Matrix Cone	5"(130mm) Black Glass Fibre Matrix Cone x2
Midrange driver		4"(100mm) Black Glass Fibre Matrix Cone	4"(100mm) Black Glass Fibre Matrix Cone
Treble driver	27*90mm AMT	27*90mm AMT	27*90mm AMT
Full-range driver			
AV shield	No	No	No
Sensitivity (2.83V @ 1m)	86dB	88dB	88dB
Recommended amplifier power	25-100W	25-150W	25-150W
Peak power handling			
Peak SPL	103dB	103dB	104dB
Nominal impedance	6Ω (Compatible 8Ω)	6Ω (Compatible 8Ω)	6Ω (Compatible 8Ω)
Minimum impedance	4.1Ω	3.5Ω	3.1Ω
Frequency response (+/-3dB)	48Hz ~ 22kHz	42Hz ~ 22kHz	39Hz ~ 22kHz
Bass extension (-6dB)	44Hz	33Hz	28Hz
Crossover frequency	2.9kHz	520Hz,4.5kHz	460Hz ,3.3kHz
Cabinet Volume (in litres)	16.5L	4.8L,29L	4L/42.8L
Dimensions (mm)			
Height (on plinth)	386mm	560mm	1037mm
Width	246mm	286mm	246mm
Depth (with terminals)	(300+52)mm	(350+52)mm	(300+52)mm
Carton size	640 x 425 x 510mm	505 x 425 x 730mm	455 x 395 x 1155mm
Net weight	12.5kg/pcs	20.5kg/pcs	23.0kg/pcs
Gross weight	26.5kg/ctn	22.5kg/ctn	25.0kg/ctn
Finish	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss

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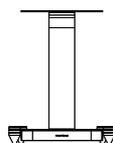
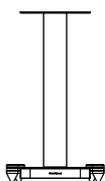
SPECIFICATIONS



Model	AURA 4	AURA C	AURA CS
General description	3-way floorstanding speaker	2-way centre speaker	2-way centre speaker
Design philosophy and core technology			
Enclosure type	bass reflex	bass reflex	bass reflex
Transducer complement	3-way	2-way	2-way
ABR			
Bass driver	6.5"(150mm) Black Glass	6.5"(150mm) Black Glass	5"(130mm) Black Glass
	Fibre Matrix Cone x2	Fibre Matrix Cone x2	Fibre Matrix Cone x2
Midrange driver	4"(100mm) Black Glass		
	Fibre Matrix Cone		
Treble driver	27"90mm AMT	27"90mm AMT	27"90mm AMT
Full-range driver			
AV shield	No	No	No
Sensitivity (2.83V @ 1m)	89dB	89dB	88dB
Recommended amplifier power	30-200W	25-200W	25-150W
Peak power handling			
Peak SPL	107dB	107dB	105dB
Nominal impedance	4Ω (Compatible 8Ω)	4Ω (Compatible 8Ω)	6Ω (Compatible 8Ω)
Minimum impedance	3.1Ω	3.6Ω	3.8Ω
Frequency response (+/-3dB)	37Hz ~ 22kHz	48Hz ~ 22kHz	56Hz ~ 22kHz
Bass extension (-6dB)	26Hz	40Hz	45Hz
Crossover frequency	475Hz ,3.3kHz	1.9kHz	2.4kHz
Cabinet Volume (in litres)	4.8L/67.2L	39.5L	25.5L
Dimensions (mm)			
Height (on plinth)	1107mm	303mm	252mm
Width	286mm	668mm	615mm
Depth (with terminals)	(350+52)mm	(350+52)mm	(300+52)mm
Carton size	505 x 425 x 1255mm	820 x 505 x 430mm	725 x 420 x 345mm
Net weight	24.5kg/pcs	25.5kg/pcs	18.6kg/pcs
Gross weight	26.5kg/ctn	27.5kg/ctn	20.0kg/ctn
Finish	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss

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SPECIFICATIONS



Model	AURA 1 Stand	AURA 2 Stand
General description	speaker stand	speaker stand
Measurements:		
Height:	615mm	485mm
Top Plate (W x D):	246 x 300mm	286 x 350mm
Base (W x D):	342 x 300mm	372 x 350mm
Materials:		
Columns	MDF spray paint	MDF spray paint
Top Plate	High Carbon Steel	High Carbon Steel
Base Plate	High Carbon Steel+MDF paint	High Carbon Steel+MDF paint
Base Spikes	Hardened High Carbon Steel	Hardened High Carbon Steel
Package Quantity:	Pair	Pair
Optional for:	AUROUS 1	AUROUS 2
Dimensions (mm)		
Height (on plinth)	615mm	485mm
Width	342mm	372mm
Depth (with badge)	300mm	350mm
Carton size	690 x 460 x 245mm	860 x 570 x 235mm
Net weight	11kg/pcs	12kg/pcs
Gross weight	23.6kg/ctn	25.2kg/ctn
Finish	Black Paint	Black Paint

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