



NEW PRODUCT INFORMATION

NEW

DELTA-AX Series

Pro-active Improvements



DELTA-AX15



DELTA-AX12



DELTA-AX15B



DELTA-AX18B

*Full cloth grille
not shown on all models

Wharfedale Pro DELTA Series can be seen and heard around the world. Day in, day out, DELTA loudspeakers deliver the sound for the most demanding of performers and venues. DELTA loudspeakers have earned their own reputation as a leading series of active and passive loudspeakers.

October 2019 sees the latest evolution of the DELTA active models. The new DELTA-AX series of active loudspeakers.

Using the same well-proven custom made drivers and the same premium Baltic birch plywood construction as previous DELTA active models, the new family boasts improved amplification electronics to deliver exceptional power....AND reliability.

Need to spot the difference between an original DELTA active and the new DELTA-AX series? The new series are proudly sporting the iconic Wharfedale Pro logo, embossed into the top surface and they come with an eye-catching swing tag. In addition, a full cloth front grille protects the advanced drivers from moisture, insects and dust.

DELTA-AX

Four familiar models but now with iconic design and improved electronics. "Pro-active Improvements"

WHEN ARE THEY AVAILABLE?

DELTA-AX SERIES

Shipping from

NOVEMBER 2019

DELTA-AX12 **12" Active 2-way**
750w Continuous **1500w Peak**

DELTA-AX15 **15" Active 2-way**
750w Continuous **1500w Peak**

DELTA-AX15B **15" Active Sub**
900w Continuous **1800w Peak**

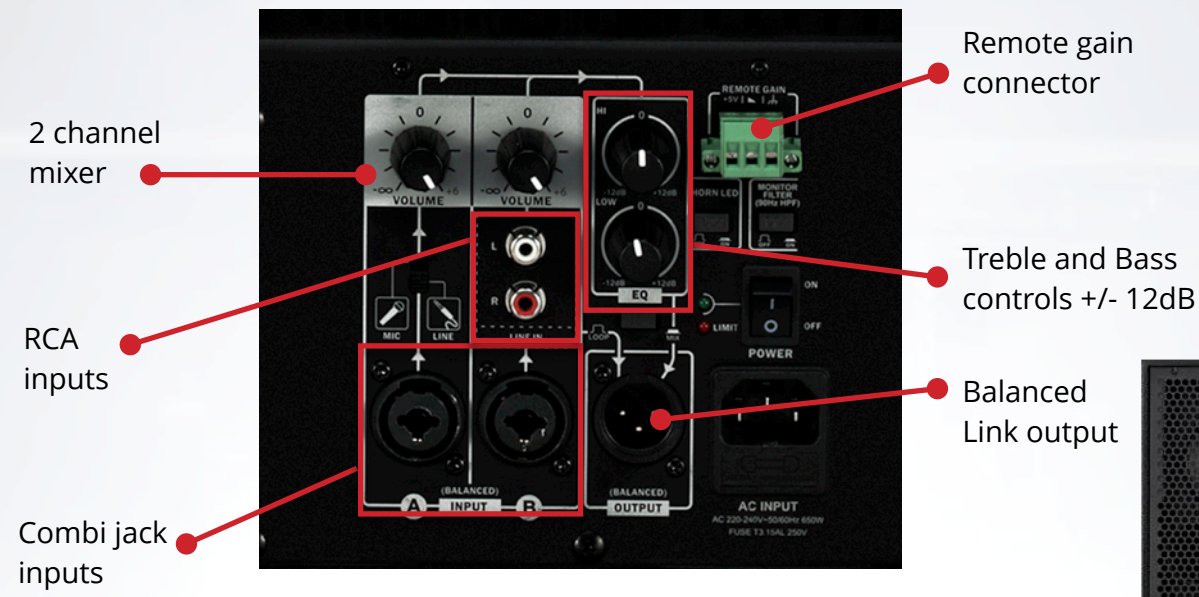
DELTA-AX18B **18" Active Sub**
1000w Continuous **2000w Peak**

WHAT MAKES THEM GREAT?

- ✓ Upgraded design
- ✓ Improved electronics
- ✓ Premium Baltic plywood construction
- ✓ Custom Wharfedale Pro drivers
- ✓ Internal DSP tuning
- ✓ Convection cooling
- ✓ Class D Bi-amplification

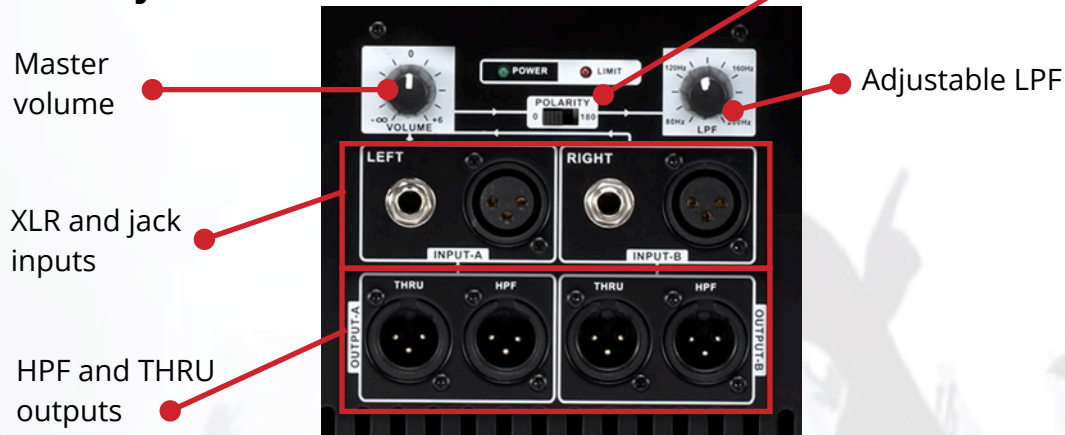
DELTA-AX12 / DELTA-AX15

2-way full range



DELTA-AX15B / DELTA-AX18B

Subwoofers



*Full cloth grille not shown on all models

CONSTRUCTION

Baltic birch plywood



Boomerang logo



Swing tag



SPECIFICATIONS



Model Name	DELTA-AX12	DELTA-AX15	DELTA-AX15B	DELTA-AX18B
System Type	Active 12" 2-way Bi-Amplified	Active 15" 2-way Bi-Amplified	Active 15" Subwoofer system	Active 18" Subwoofer
Frequency Response (+/-3dB)	60Hz - 20kHz	50Hz - 20kHz	42Hz - 200Hz	38Hz - 200Hz
Frequency Range (-10dB)	55Hz - 20kHz	45Hz - 20kHz		
Calculated Maximum SPL @1m	130dB	131dB	130dB	132dB
Low Frequency Transducer - Size	332mm / 12"	404mm / 15"	404mm / 15"	470mm / 18"
Coil Size (mm / inches)	75mm / 3"	75mm / 3"	101.6mm / 4"	101.6mm / 4"
Impedance	4Ω	4Ω	8Ω	8Ω
High Frequency Transducer	Compression Driver	Compression Driver	-	-
Coil Size (mm / inches)	51.2mm / 2"	51.2mm / 2"	-	-
Exit Size (mm / inches)	35.6mm / 1.4"	25mm / 1"	-	-
Diaphragm Material	Titanium	Titanium	-	-
Impedance	8Ω	8Ω	-	-
Nominal Coverage (H x V)	90° x 45°	90° x 45°	-	-
Amplifiers				
Low-Frequency Power Amplifier	650w (Class D) Continuous	650w (Class D) Continuous	900w (Class D) Continuous	1000w (Class D) Continuous
High-Frequency Power Amplifier	100w (Class D) Continuous	100w (Class D) Continuous	NA	NA
Amplifier Protection	Yes	Yes	Yes	Yes
Power On Protection	Power switch on/of mute	Power switch on/of mute	Power switch on/of mute	Power switch on/of mute
Thermal Protection	Amplifier Shut Down. Auto Reset	Amplifier Shut Down. Auto Reset	Amplifier Shut Down. Auto Reset	Amplifier Shut Down. Auto Reset
Low Line Voltage Shut Down	80% Nominal Line	80% Nominal Line	80% Nominal Line	80% Nominal Line
Driver Protection	Independent LF and HF Limiters	Independent LF and HF Limiters	Yes	Yes
DC and Short Protection	Yes	Yes	Yes	Yes
Clip Limiter	Turns on Approx 650w Output	Turns on Approx 650w Output	Turns on Approx 900w Output	Turns on Approx 1000w Output
Limiter Indicator	Red LED	Red LED	Red LED	Red LED
Power Indicator	Green LED	Green LED	Green LED	Green LED
Connectors				
Input A - type	Switchable Balanced Mic or Line	Switchable Balanced Mic or Line	Balanced	Balanced
Input Sensitivity	Mic:-40dBu Line:0dBu	Mic:-40dBu Line:0dBu	Line:0dBu	Line:0dBu
Maximum Input Level	22dBu	22dBu	22dBu	22dBu
Input Connector	XLR 1/4" Combo jack	XLR 1/4" Combo jack	TRS jack and Female XLR	TRS jack and Female XLR
Input Impedance	Balanced:20KΩ Unbalanced:10KΩ	Balanced:20KΩ Unbalanced:10KΩ	Balanced:20KΩ Unbalanced:10KΩ	Balanced:20KΩ Unbalanced:10KΩ
Line Output Connector	Switchable LOOP/MIX Balanced Male XLR	Switchable LOOP/MIX Balanced Male XLR	Male XLR Connector	Male XLR Connector
Impedance Balanced	Balanced: 200Ω Unbalanced:100Ω	Balanced: 200Ω Unbalanced:100Ω	Balanced: 200Ω Unbalanced:100Ω	Balanced: 200Ω Unbalanced:100Ω
Loop Gain	0dB	0dB	0dB	0dB
AC Power details - Power Supply	SMPS	SMPS	SMPS	SMPS
AC Power Options	AC100-120V~/220-240V~,50/60HZ	AC100-120V~/220-240V~,50/60HZ	AC100-120V~/220-240V~,50/60HZ	AC100-120V~/220-240V~,50/60HZ
Power On Indicator	Green LED	Green LED	Green LED	Green LED
Hardware - Rigging	M10 x 6	M10 x 6		
Enclosure Material and finish	15mm Plywood	15mm Plywood	15mm Plywood	15mm Plywood
Colour Options	Black Rhino Paint	Black Rhino Paint	Black Rhino Paint	Black Rhino Paint
Grille Material & Finish	1.2 Steel	1.2 Steel		
Unpacked dimensions - Height	640mm / 25.2"	700mm / 27.56"	471mm / 18.54"	539mm / 21.22"
Width (Front)	390mm / 15.35"	446mm / 17.56"	471mm / 18.54"	539mm / 21.22"
Width (Back)	241.2mm / 9.5"	281.4mm / 11.08"	471mm / 18.54"	539mm / 21.22"
Depth	373mm / 14.69"	406mm / 15.98"	600mm / 23.62"	650mm / 25.59"
Packed Dimensions - Height	745mm / 29.3"	803mm / 31.6"	556mm / 21.89"	624mm / 24.57"
Width (Front)	566mm / 22.3"	638mm / 25.1"	672mm / 26.46"	722mm / 28.43"
Width (Back)	328mm / 12.9"	366mm / 14.4"	672mm / 26.46"	722mm / 28.43"
Depth	464mm / 18.3"	498mm / 19.6"	543mm / 21.38"	611mm / 24.06"
Net Weight (kg / lbs)	27.9kg / 61.2lbs	33.0kg / 72.6lbs	33.1kg / 72.82lbs	38.4kg / 84.48lbs
Gross Weight (kg / lbs)	32.5kg / 71.5lbs	38.5kg / 84.7lbs	36.7kg / 80.74lbs	44.3kg / 97.46lbs

Errors and omissions excepted (E&OE) : Wharfedale Pro : 2019

