Delta Series

OPERATING MANUAL AND USER GUIDE

Delta-10 Delta-12 Delta-15 Delta-12M Delta-15M Delta-215 Delta-15B Delta-18B Delta-218B Delta-F18B



This user manual is in English. User manuals in French, German and Spanish can be found at www.wharfedalepro.com/usermanuals



IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

- 1. READ ALL INSTRUCTIONS carefully and become familiar with the features and functions of these products before operating them.
- 2. RETAIN THESE INSTRUCTIONS for future reference.
- 3. COMPLY WITH ALL WARNINGS All warnings and instructions for this product should be adhered to.
- 4. USE WITH AMPLIFIERS In order to avoid damage to drivers and other equipment, it is advisable to establish and follow a routine for powering up and powering down a sound system. With all system components connected, turn on source equipment (mixers, signal processors, record and playback units, etc.) BEFORE powering up amplifiers. Transient voltages from powering up source equipment can damage speakers if amplifiers are already turned on. Make sure that amplifier volumes are set to their minimum settings and power up any system amplifiers LAST. It is recommended that all system components be allowed to stabilize for several seconds before any source signals are introduced or level setting adjustments are made. Similarly, when shutting systems down, turn all amplifiers off first, before powering down any other system components.
- CABLES Do not use shielded or microphone cables for connection between amplifiers and speakers. Use only approved speaker cables with proper connectors.
- 6. CAUTION These professional loudspeaker systems are capable of generating very high sound pressure levels. Use care with placement and operation to avoid exposure to excessive volume levels. Permanent hearing damage can result when operated to extreme levels.
- SERVICE There are no user serviceable parts inside this product. Users should not attempt to service this product. Warranty nullification could result if this is attempted.
- 8. RIGGING SUSPENDING MOUNTING Rigging suspending or mounting of speaker systems can expose members of the public to serious health risks and even death.

UNDER NO CIRCUMSTANCES ATTEMPT TO RIG, SUSPEND OR OTHERWISE MOUNT THESE SPEAKERS UNLESS YOU ARE FULLY QUALIFIED AND CERTIFIED TO DO SO BY RELEVANT LOCAL, STATE AND NATIONAL AUTHORITIES. ALL RELEVANT SAFETY REGULATIONS MUST BE FOLLOWED. IF YOU ARE NOT PROPERLY QUALIFIED OR DO NOT KNOW OF PERTINENT REGULATIONS, CONSULT QUALIFIED PERSONNEL FOR ADVICE.

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INTRODUCTION

Wharfedale Pro Delta Series loudspeakers are the result of many years of experience in the use, design and manufacture of professional loudspeaker products. We take great pride in engineering and building every Wharfedale Pro loudspeaker and would like to thank you for entrusting us with your sound.

The new Delta Series Series builds on the solid reputation of its predecessors the LX and DLX Series, both huge successes on a global scale.

The Delta Series has been designed to deliver excellent performance, build quality and reliability in a format that is suitable for both fixed installations and touring applications.

High output, low distortion cast frame woofers with 3" voice coils are used in all full-range models; 2" titanium compression drivers are coupled to 90°x45° elliptical waveguides for smooth dispersion. All subwoofers use 4" voice coils.

Comprehensive rigging points are provided for use in flown applications, so Delta is equally at home in a wide variety of fixed installation and touring applications. Rhino Rock™, our new texturised composite finish is used in all models. This new finish combines the great look of a painted finish with the durability of a carpet covered enclosure, giving you the best of both worlds. In addition Rhino Rock™ helps to reduce cabinet resonances and improve sound quality. The Delta Series is constructed with internally braced plywood and features dual angle pole mounts to ensure that your sound is aimed directly at the audience.

All components are designed in house and built from the ground up in Wharfedale's own vertically integrated factory, providing the consumer with world class performance and unparalleled value.

MODELS

- ♦ Delta 10 Passive Loudspeaker
- ♦ Delta 12 Passive Loudspeaker
- ♦ Delta 12M Passive Stage Monitor
- ♦ Delta 15 Passive Loudspeaker
- Delta 15M Passive Stage Monitor
- ♦ Delta 215 Passive Loudspeaker
- ♦ Delta 15B Passive Subwoofer
- ♦ Delta 18B Passive Subwoofer
- Delta 218B Passive Dual Chamber Subwoofer
- ♦ Delta-F18B Folded Horn Subwoofer

FEATURES

- ♦ High power, low distortion cast frame woofers
- ♦ 1" exit, 1.75" titanium diaphragm compression drivers(only Delta 10)
- ♦ 1.4" exit, 2" titanium diaphragm compression drivers
- ♦ Externally switchable fullrange/bi-amp operation
- ♦ Externally switchable discrete/parallel operation (only 218B)
- ♦ 90°x60° elliptical waveguides (only Delta 10)
- ♦ 90°x45° elliptical waveguides
- ♦ Dual angle pole mount receptacles
- Plywood construction with internal bracing
- ♦ 4-way high impact plastic carry handles
- **♦** Rhino Rock[™] texturised composite finish
- Parallel Speakon inputs
- ♦ Through outputs on "M" models
- ♦ High-pass outputs on 15B and 18B

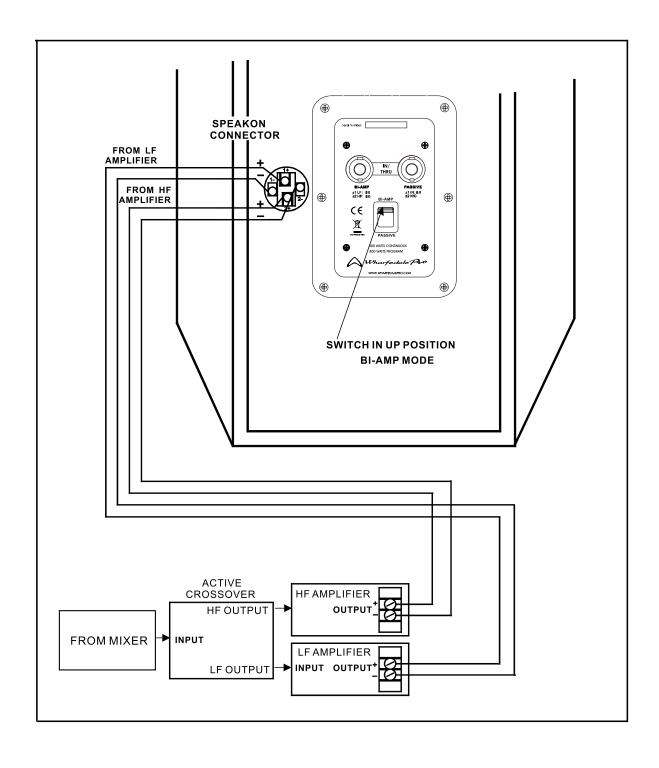
INSTALLATION

• Before attempting to install a Delta Series loudspeaker system please refer to the important warnings and safety instructions. Only qualified personnel should install a loudspeaker system.

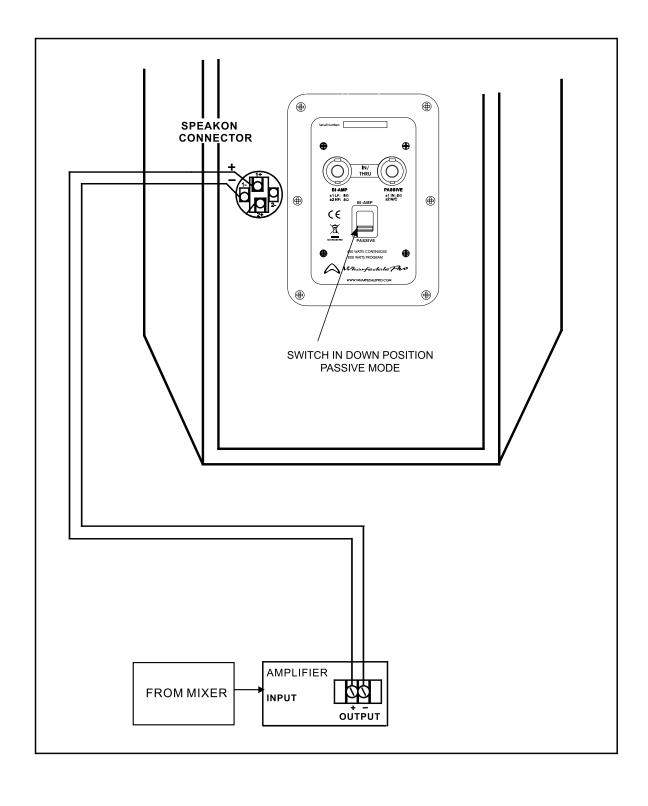
Improper installation of a loudspeaker system can cause serious harm and even death if correct procedure is not followed. Anyone attempting installation assumes all liability arising from such use.

- Bi-amp switching ensure that the internal passive network selector is in the correct position. When using an external active network select the bi-amp setting. Failiure to do his can result in damage to the drivers of your Delta Series loudspeakers.
- Models with dual angle pole mount sockets (Delta 10, Delta 12 and Delta 15) have an angled socket that angles the cabinet down by 10°. This allows more sound to be aimed directly at the audience and less at the ceiling, reducing early reflections. Please ensure that the correct socket is used for each speaker.

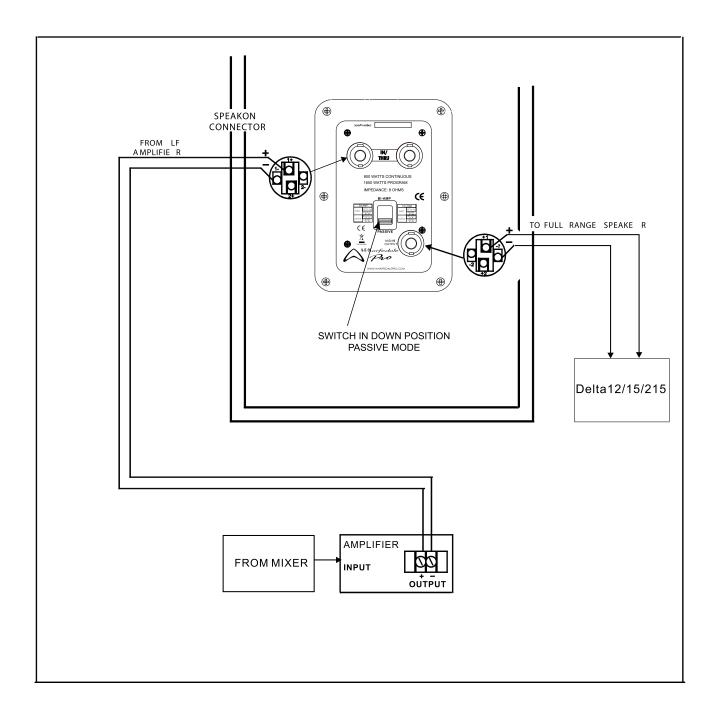
DELTA 10/12/12M/15/15M/215 BI-AMP WIRING



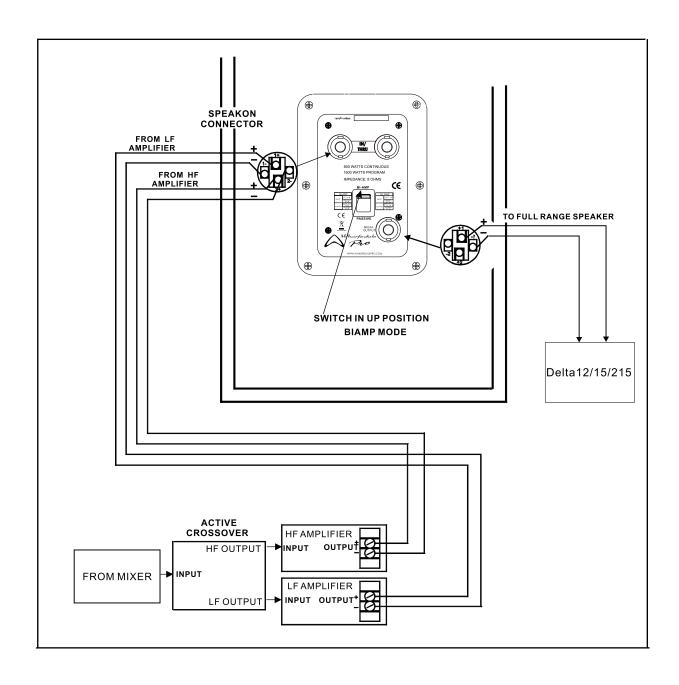
DELTA 10/12/12M/15/15M/215 FULLRANGE WIRING



DELTA 15B/18B FULLRANGE WIRING

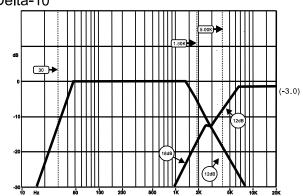


DELTA 15B/18B BI-AMP WIRING

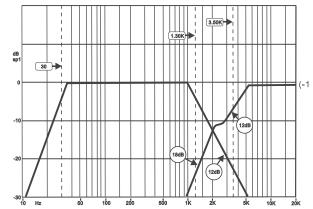


DELTA SERIES SUGGESTED NETWORK SETTINGS

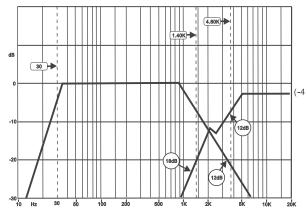
Delta-10



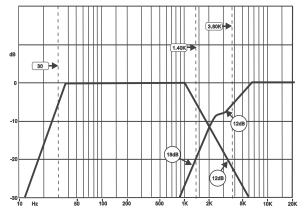
Delta-15



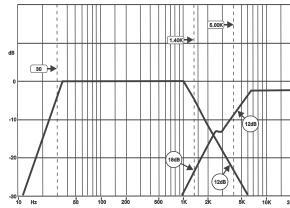
Delta-12

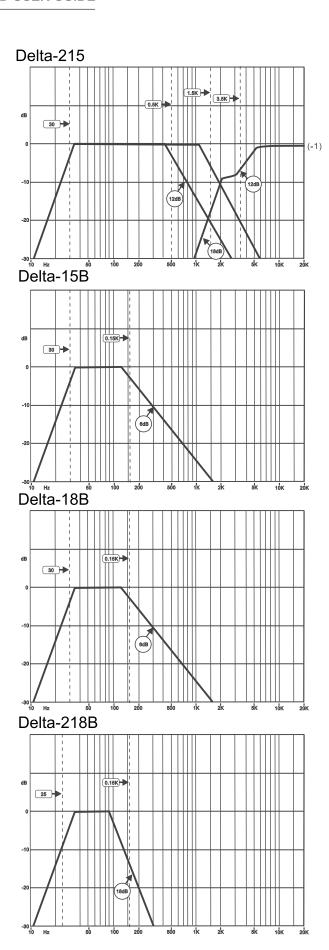


Delta-15M



Delta-12M





RIGGING/SUSPENDING

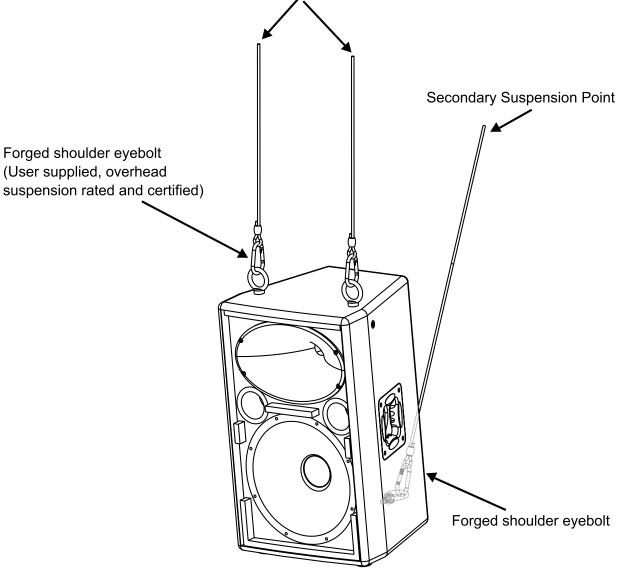
Using Shoulder Eyebolts

Always apply the load to the bolt along the plane of the eye. For long term installation use a thread-locking compound. Do not attempt to bend or otherwise deform any rigging hardware.

Please refer to the important safety warnings before you consider suspending any loudspeakers.

Each primary load bearing suspension point shall be rated for the total load.

(A minimum 5:1 Design Factor or Local Standard should be observed, whichever is greater)



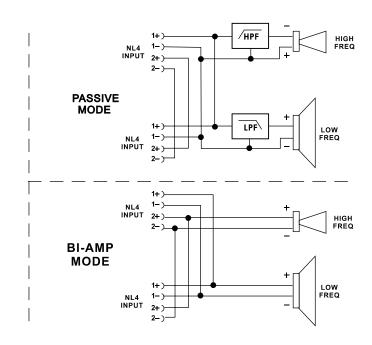
Working load limits: No more than four (4) high (vertical)
The four (4) high vertical specification represents a static ratio of 7:1

BLOCK/WIRING DIAGRAMS

DELTA-10

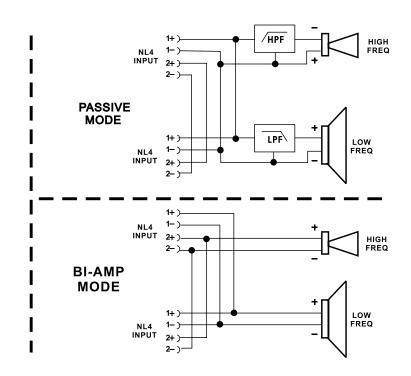
Block Diagram





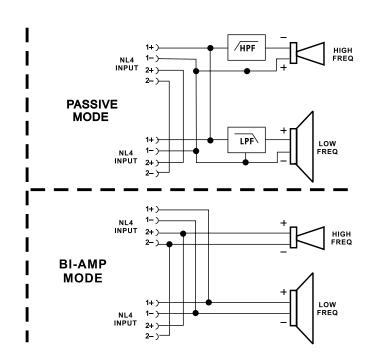
DELTA-12 Crossover Block Diagram



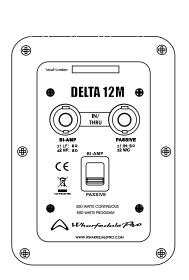


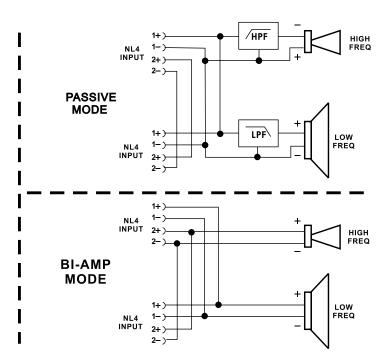
DELTA-15 Crossover Block Diagram





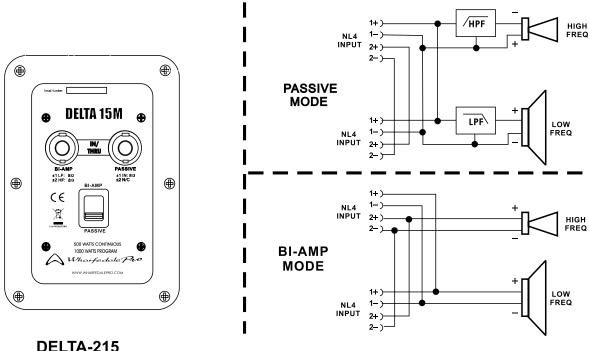
DELTA-12M Crossover Block Diagram



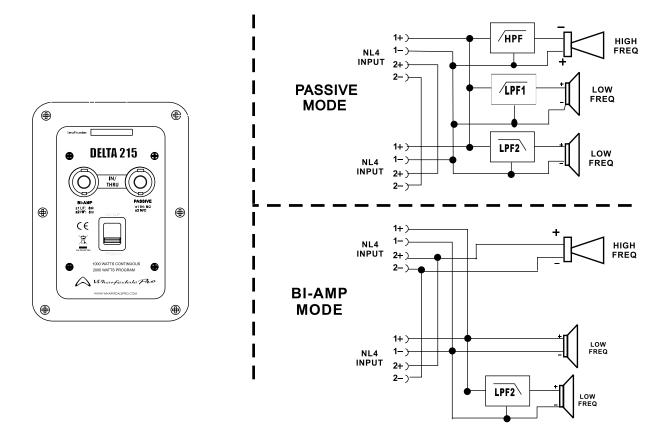


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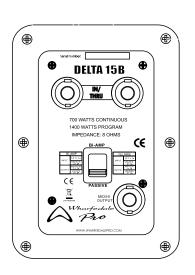
DELTA-15M Crossover Block Diagram

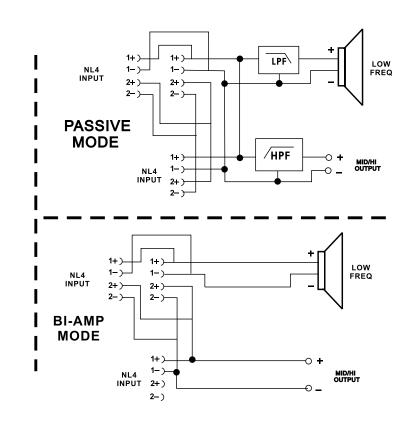


DELTA-215 Crossover Block Diagram

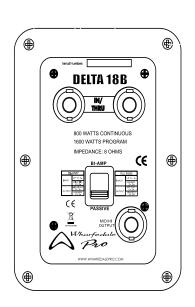


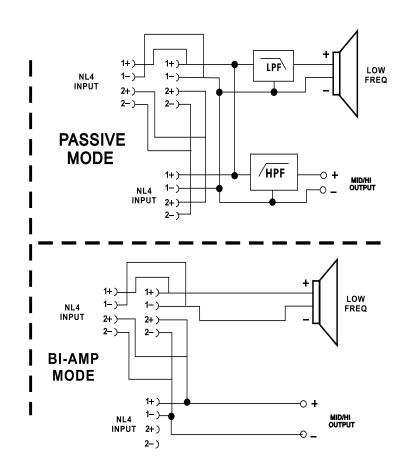
DELTA-15B Crossover Block Diagram



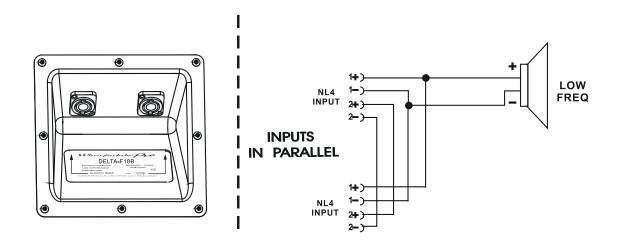


DELTA-18B Crossover Block Diagram

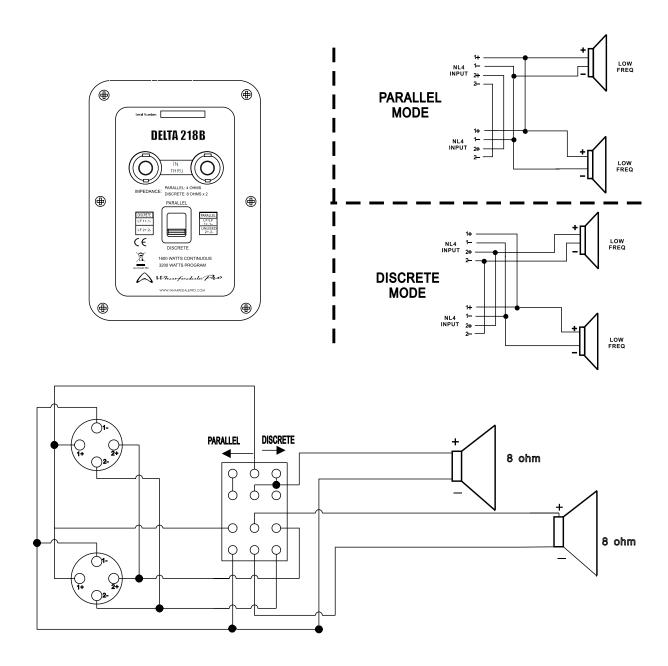




DELTA-F18B Folded Horn Subwoofer Crossover Block Diagram

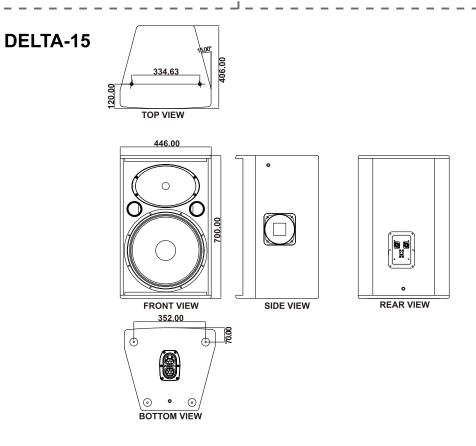


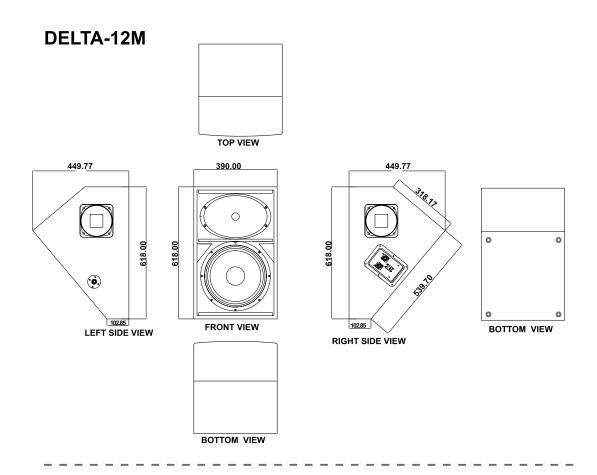
DELTA-218B Crossover Block Diagram



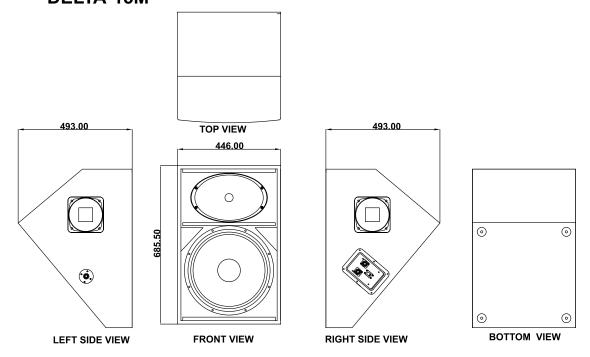
DIMENSIONAL DRAWINGS

DELTA-10 DELTA-12 241.49 212.4 373.00 230.7 282.59 TOP VIEW TOP VIEW 338.00 390.00 SIDE VIEW SIDE VIEW FRONT VIEW FRONT VIEW \odot \odot 296.00 330.0 REAR VIEW REAR VIEW 212.4 **BOTTOM VIEW BOTTOM VIEW**

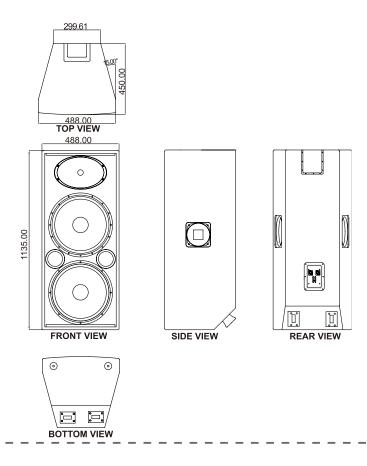




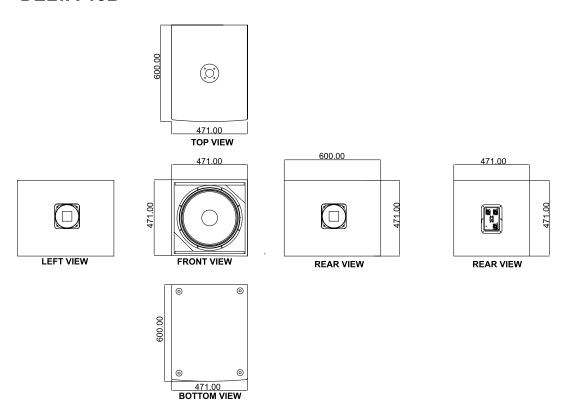
DELTA-15M



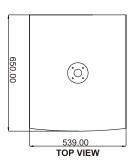
DELTA-215

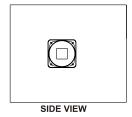


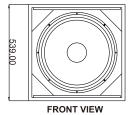
DELTA-15B

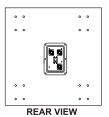


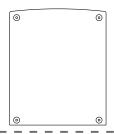
DELTA-18B



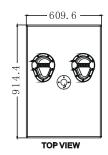


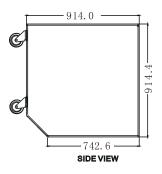


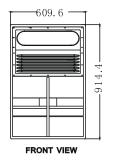


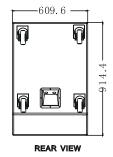


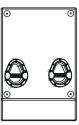
DELTA-F18B





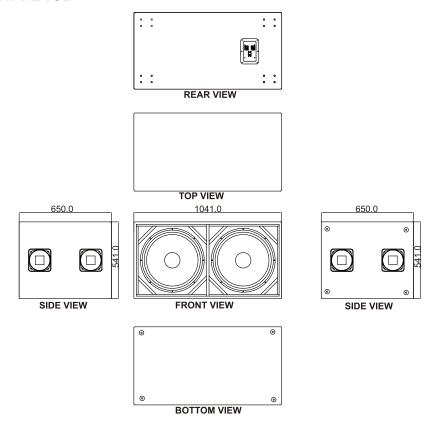






BOTTOM VIEW

DELTA-218B



SPECIFICATIONS

Model DELTA-10 DELTA-12 DELTA-5 General Parameters System Type 2-Way 2-Way 2-Way 2-Way Frequency Response +/- 3dB 65-20KHz 60-20KHz 50-20KHz	15
System Type2-Way2-Way2-Way	.12
17-3db 05-20KHZ 00-20KHZ 50-20KHZ	⊔ →
Power Handling Continuous 300W 400W 500W	П
Programme 600W 800W 1000W	
11111	
Sensitivity dB (1W @ 1M) 97dB 97dB 98dB Max SRI (Oxford to 1) dB ORI (Oxford t	
Max SPL (Calculated) dB SPL @ Peak Rated Power 128dB 129dB 131dB	
Nominal Coverage (H @1KHz) 90° 90° 90°	
(V @1KHz) 60° 45° 45°	
	/ 1.8KHz
Recommended High Pass Slope dB / Oct 18dB/Oct 18	
Crossover Frequency Hz 2.8KHz 1.8KHz 1.8KHz	
Bi-Amp Mode Switch Yes Yes Yes	
LF Size (mm / inches) 288mm / 10" 332mm / 12" 404mm	/ 15"
LF Power (Continuous RMS) W 300w 400w 500w	
LF Sensitivity (Free Field 1W @ 1M) dB 97dB 97dB 98dB	
LF Voice Coil (mm / inches) 63.5mm / 2.5" 76.2mm / 3" 76.2mm	า / 3"
LF Cone Material Paper Paper Paper	
LF Voice Coil Material Copper Copper Copper	
LF Voice Coil Former Material Fibre Glass Fibre Glass Fibre Gl	lass
LF Basket Material Aluminium Aluminium Aluminium Aluminium	um
LF Basket Type Die-Cast Die-Cast Die-Cast Die-Cast	st
LF Magnet Structure Mass Kg / lbs 1.41Kg / 3.10lbs 2.467Kg / 5.412lbs 2.467Kg	g / 5.412lbs
LF Magnet Structure Material Ferrite Ferrite Ferrite	
HF Size (mm / inch) 44.5mm / 1.75" Titanium 50.8mm / 2" Titanium 50.8mm	n / 2" Titanium
HF Power (Continuous RMS) W 40W 50W 50W	
HF Sensitivity (Free Field 1W @ 1M) dB 108dB 104dB 104dB	
HF Voice Coil (mm / inch) 44.5mm / 1.75" 50.8mm / 2" 50.8mm	า / 2"
HF Waveguide Type Elliptical Elliptical Elliptical Elliptica	ıl
HF Waveguide Exit (mm / inch) 25.4mm / 1" 35.6mm / 1.4" 35.6mm	n / 1.4"
HF Diaphragm Material Titanium Titanium Titanium Titanium	n
HF Voice Coil Former Material Fibreglass Kapton Kapton	
HF Magnet Structure Mass Kg/lbs 0.589Kg / 1.3lbs 1.197Kg / 2.63lbs 1.197Kg	g / 2.63lbs
HF Magnet Structure Material Ferrite Ferrite Ferrite	
HF Protection SK3 SK3 SK3	
	Plywood
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm F	Plywood ROCK™
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm F	ROCK™
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO	ROCK™
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Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO ROCK™ Grille Material & Finish 1.5mm Steel 1.5mm Steel 1.5mm Steel Colour Black&White Black Black	ROCK™ Steel
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO ROCK™ RHINO Grille Material & Finish 1.5mm Steel 1.5mm Steel 1.5mm Steel 1.5mm Steel 1.5mm Steel Black Black Black Black Black Rigging Points M10 X 9 M10 X 6 M10 X 6 M10 X 6 M10 X 6 M20 X 6 M20 X 6 M30 X 6	ROCK™ Steel
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO ROCK™ Grille Material & Finish 1.5mm Steel 1.5mm Steel 1.5mm Steel Colour Black&White Black Black Rigging Points M10 X 9 M10 X 6 M10 X 6 Rigging Point Max Rated Weight Kg / lbs 450kg / 992lbs 450kg / 992lbs 450kg / 992lbs Pole Mount Dual-Angle (0° or -10°) Dual-Angle (0° or -10°) Dual-Angle (0° or -10°) Dual-Angle (0° or -10°)	ROCK™ Steel 6 992lbs
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO ROCK™ Grille Material & Finish 1.5mm Steel 1.5mm Steel 1.5mm Steel Colour Black&White Black Black Rigging Points M10 X 9 M10 X 6 M10 X 6 Rigging Point Max Rated Weight Kg / lbs 450kg / 992lbs 450kg / 992lbs 450kg / 992lbs Pole Mount Dual-Angle (0° or -10°) Dual-Angle (0° or -10°) Dual-Angle (0° or -10°) Dual-Angle (0° or -10°)	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket
Enclosure Material & Thickness 15mm Plywood RHINO ROCK™ RHINO ROCK™ RHINO RIINO 1.5mm Steel 1.5mm Steel 1.5mm Steel 1.5mm Steel 1.5mm Plywood 15mm Plywood 15mm Plywood 15mm Plywood 15mm Plywood RHINO RHINO RIINO RUINO 1.5mm Steel 4.50kg / 992lbs <th>ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des</th>	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO ROCK™ RHINO Grille Material & Finish 1.5mm Steel 1.5mm S	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO ROCK™ RHINO ROCK™ RHINO Grille Material & Finish 1.5mm Steel 4.50kg / 992lbs 450kg / 992lbs </th <th>ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon</th>	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon
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Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO Rigging Point Max Rated Weight Kg / Ibs 450kg / 992lbs 450kg / 992	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO <	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon
Enclosure Material & Thickness 15mm Plywood 21.5mm Regiging Point Max Reted Weight Kg / Ibs 450kg / 992lbs 450k	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon
Enclosure Material & Thickness 15mm Plywood 21.5mm Report In Max Reted Weight Kg Ibs 450kg / 992lbs 450kg / 9	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon / 27.6" 1.4mm /17.6/11.1"
Enclosure Material & Thickness 15mm Plywood 15mm Plywood 15mm Plywood Enclosure Finish RHINO ROCK™ RHINO Colour Black Bl	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon / 27.6" 1.4mm /17.6/11.1" / 16"
Enclosure Material & Thickness 15mm Plywood 10mm Plywood 10ml Plywood 450kg 490glbs 450kg / 992lbs 450kg / 992lbs <t< th=""><th>ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon / 27.6" 1.4mm /17.6/11.1" / 16" / 31.6"</th></t<>	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon / 27.6" 1.4mm /17.6/11.1" / 16" / 31.6"
Enclosure Material & Thickness 15mm Plywood	ROCK™ Steel 6 992lbs ngle (0° or -10°) Pole Socket des akon / 27.6" 1.4mm /17.6/11.1" / 16" / 31.6" / 24.5"

Model		DELTA-215	DELTA-12M	DELTA-15M
General Parameters				
System Type		Quasi 3-Way	2-Way	2-Wav
Frequency Response	+/- 3dB	45-20KHz	60-20KHz	55-20KHz
Power Handling	Continuous	1000W	400W	500W
	Programme	2000W	800W	1000W
	Peak	4000W	1600W	2000W
Nominal Impedance	Ohms	4Ω	8Ω	8Ω
Sensitivity	dB SPL (1W @ 1M)	101dB	97dB	98dB
Max SPL (Calculated)	dB SPL @ Peak Rated Power	137dB	129dB	131dB
Nominal Coverage	(H @1KHz)	90°	90°	90°
a. ootolago	(V @1KHz)	45°	45°	45°
Recommended High Pass Frequency	Hz	1.5kHz / 1.8KHz	1.5KHz / 1.8KHz	1.5KHz / 1.8KHz
Recommended High Pass Slope	dB / Oct	18dB/Oct	18dB/Oct	18dB/Oct
Crossover Frequency	Hz	1.8KHz	1.8KHz	1.8KHz
Bi-Amp Mode Switch	·	Yes	Yes	Yes
LF Size	(mm / inches)	2x 404mm / 15"	332mm / 12"	404mm / 15"
LF Power (Continuous RMS)	W	500w	400w	500w
LF Sensitivity (Free Field 1W @ 1M)	dB	98dB	97dB	98dB
LF Voice Coil	(mm / inches)	76.2mm / 3"	76.2mm / 3"	76.2mm / 3"
LF Cone Material	(/	Paper	Paper	Paper
LF Voice Coil Material		Copper	Copper	Copper
LF Voice Coil Former Material		Fibre Glass	Fibre Glass	Fibre Glass
LF Basket Material		Aluminium	Aluminium	Aluminium
LF Basket Type		Die-Cast	Die-Cast	Die-Cast
LF Magnet Structure Mass	Kg / Ibs	2.467Kg / 5.412lbs	2.467Kg / 5.412lbs	2.467Kg / 5.412lbs
LF Magnet Structure Material	Ng / IDS	Ferrite	Ferrite	Ferrite
HF Size	(mm / inch)	50.8mm / 2" Titanium	50.8mm / 2" Titanium	50.8mm / 2" Titaniui
HF Power (Continuous RMS)	W	50W	50W	50W
HF Sensitivity (Free Field 1W @ 1M)	dB	104dB	104dB	104dB
HF Voice Coil	(mm / inch)	50.8mm / 2"	50.8mm / 2"	50.8mm / 2"
HF Waveguide Type	(IIIII / IIICII)	Elliptical	Elliptical	Elliptical
HF Waveguide Type	(mm / inch)	35.6mm / 1.4"	35.6mm / 1.4"	35.6mm / 1.4"
HF Diaphragm Material	(IIIII / IIICII)	Titanium	Titanium	Titanium
HF Voice Coil Former Material		Kapton	Kapton	Kapton
HF Magnet Structure Mass	Kg/lbs	1.197Kg / 2.63lbs	1.197Kg / 2.63lbs	1.197Kg / 2.63lbs
HF Magnet Structure Material	Rylibs	Ferrite	Ferrite	Ferrite
HF Protection		SK3	SK3	SK3
Enclosure Material & Thickness		15mm Plywood	15mm Plywood	15mm Plywood
Enclosure Finish		RHINO ROCK™	RHINO ROCK™	RHINO ROCK™
Grille Material & Finish		1.5mm Steel	1.5mm Steel	1.5mm Steel
Colour		Black	Black	Black
Pole Mount		DIGON	No	No Black
Handles		2 on Sides 1 On Back	2 On Sides	2 On Sides
Input Connector Type		2x Speakon	3x Speakon	3x Speakon
Net Weight	Kg	52.9Kg	23.18Kg	27.24Kg
ivet vveignt	lbs	116.6lbs	50.9lbs	59.9lbs
Gross Weight	Kg	59.0Kg	28.5Kg	33.96Kg
Gross Weight	lbs	130.0lbs	62.8lbs	74.7lbs
Dimensions (Unpacked)	H	1135mm / 44.7"	449mm / 17.7" (SITU)	493mm / 19.4" (SITU
Dimensions (Unpacked)	W FRONT/REAR	488/299.6mm / 19.2/11.8"	390mm / 15.3"	493mm / 19.4" (SITC
		450mm / 17.7"	618mm / 24.3"	446mm / 17.6" 685mm / 27"
Dimensions (Booked)	D	1218mm / 48.0"	462mm / 24.3"	
Dimensions (Packed)	H FRONT/REAR	558mm / 22.0"	462mm / 18.2" 690mm / 27.2"	518mm / 20.4"
	W FRONT/REAR		522mm / 27.2"	757mm / 29.8"
	D	522mm / 20.6"		565mm / 22.2"
	СВМ	0.355	0.17	0.22

Delta Series

Model		DELTA 15D	DELTA 10D	DELTA E10D	DELTA 240D	
		DELTA-15B	DELTA-18B	DELTA-F18B	DELTA-218B	
General Parameters System Type		Subwoofer	Subwoofe	Folded Hern Subweefer	Dual Chamber Subwoofer	
Frequency Response (Bi-Amp)	+/- 3dB	42-2KHz	38-1.5KHz	N/A	30-1.5KHz	
Frequency Response (Passive)	+/- 3dB	42-150Hz	38-150Hz	30-300Hz	30-1.3KHZ	
Power Handling	Continuous	700W	800W	800W	Parallel:1600W Discrete:	800\/\
rower manuming	Programme	1400W	1600W	1600W		1600W
	Peak	2800W	3200W	3200W		3200W
Nominal Impedance	Ohms	8Ω	8Ω	8Ω		8Ω x2
Sensitivity	(1W @ 1M)	98dB	99dB	106dB	100dB	017 YZ
Max SPL (Calculated)	@ Peak Rated	132dB	134dB	141dB	138dB	
Bi Amp Mode Switch	@ Feak Nateu	YES	YES	14105	IJOUB	
Subwoofer High Pass Output Frequency	ш-,	120Hz	120Hz			
Subwoofer High Pass Filter Slope	dB / Oct	6dB/Oct	6dB/Oct			
LF Size	(mm / inches)	404mm / 15"	470mm / 18"	470mm / 18"	470mm / 18"	
LF Power (Continuous RMS)	W	700w	800w	800w	800w	
LF Sensitivity (Free Field 1W @ 1M)	dB	98dB	99dB	99dB	99dB	
LF Voice Coil	(mm / inches)	101.6mm / 4"	101.6mm / 4"	101.6mm / 4"	101.6mm / 4"	
LF Cone Material	(min / inches)					
LF Voice Coil Material		Paper	Paper	Paper	Paper	
LF Voice Coil Former Material		Copper Fibre Glass	Copper Fibre Glass	Copper Fibre Glass	Copper Fibre Glass	
LF Basket Material		Aluminium	Aluminium	Aluminium	Aluminium	
LF Basket Type	W / II	Die-Cast	Die-Cast	Die-Cast	Die-Cast	
LF Magnet Structure Mass	Kg / Ibs			2.69Kg / 5.918lbs	2.69Kg / 5.918lbs	
LF Magnet Structure Material		Ferrite	Ferrite	Ferrite	Ferrite	
Enclosure Material & Thickness		15mm Plywood	15mm Plywood	18mm Plywood	18mm Plywood	
Enclosure Finish		RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	
Grille Material & Finish		1.5mm Steel	1.5mm Steel		1.5mm Steel	
Colour		Black	Black	Black	Black	
Pole Mount		35mm	35mm	35mm	No	
Handles		2 On Sides	2 On Sides	4 On Sides	4 On Sides	
Input Connector Type		2x Speakon	2x Speakon	2x Speakon	2x Speakon	
HPF Output Connector Type		1x Speakon	1x Speakon	N/A	N/A	
Castors		0.4.51/	07.01/	4	70.01/	
Net Weight	Kg	31.5Kg	37.3Kg	80.5kg	78.9Kg	
- W	lbs	69.4lbs	82.06lbs	177.1lbs	173.9lbs	
Gross Weight	Kg	35.12Kg	43.2Kg	85.2kg	86.0Kg	
	lbs	77.4lbs	95.04lbs	187.44lbs	189.6lbs	
Dimensions (Unpacked)	Н	471mm / 18.5"	539mm / 21.2"	914.4mm/36"	541mm / 21.3"	
	w	471mm / 18.5"	539mm / 21.2"	609.6mm/24"	1041mm / 41"	
	D	600mm / 23.6"	650mm / 25.6"	914.4mm/36"	650mm / 25.6"	
Dimensions (Packed)	Н	556mm / 21.9"	624mm / 24.6"	1009mm/39.72"	626mm / 24.6"	
	W	672mm / 26.5"	722mm / 28.4"	689mm/27.12"	1126mm / 44.3"	
	D	543mm / 21.4"	611mm / 24.1"	994mm/39.13"	722mm / 28.4"	
	СВМ	0.21	0.28	0.74	0.51	

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of one year from the original date of purchase. In the event of malfunction, contact your authorized Wharfedale Pro dealer or distributor for information.

*Be aware that warranty details may differ from country to country. Contact your dealers or distributor for information. These terms do not infringe your statutory rights.



Wharfedale Professional

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