# **Delta X Series**

#### **OPERATING MANUAL AND USER GUIDE**

Delta X10 Delta X12 Delta X15 Delta X12M Delta X15M Delta X215 Delta X15B Delta X18B Delta X218B





## **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

Delta X builds on the global success of the Wharfedale Pro Delta series.

Constructed from 15 mm plywood and covered in the highest quality Rhino Rock paint, the Delta X models are instantly recognizable by their engraved iconic Wharfedale Pro 'boomerang' logo on their cabinets. The fresh cosmetic design however is not the only improvement the engineering team have made.

Internally Delta X also has a new crossover design and construction. Using new component positioning and bracing, the sensitive crossover electronics have been re-engineered to improve long term performance and reliability - even at the highest of volumes.

With rear panel switching, Delta X can operate in either Bi-Amp or Full range modes. This routing flexibility allows for Delta X systems to be refined using multiple amplifiers and external crossovers.

Custom Wharfedale Pro transducers have also been selected. High output, low physical distortion cast frame woofers deliver unparalleled low frequency response. With the exception of the Delta X10, 2" titanium compression drivers are coupled to 90°x45°elliptical waveguides for impressive output level and smooth HF dispersion.

With a full lineup of 9 models, ranging from the 300 w RMS Delta X10 to the 1600 w RMS Dual Chamber 2 x 18" Delta X218 subwoofer, Delta X models are perfect for fixed installation and touring applications.

#### **MODELS**

- ♦ Delta X10 Passive Loudspeaker
- ♦ Delta X12 Passive Loudspeaker
- ♦ Delta X12M Passive Stage Monitor
- ♦ Delta X15 Passive Loudspeaker
- ♦ Delta X15M Passive Stage Monitor
- ♦ Delta X215 Passive Loudspeaker
- ♦ Delta X15B Passive Subwoofer
- ♦ Delta X18B Passive Subwoofer
- ♦ Delta X218B Passive Dual Chamber Subwoofer

## **FEATURES**

- High power, low distortion cast frame woofers
- ♦ 1" exit, 1.75" titanium diaphragm compression drivers(only Delta X10)
- ♦ 1.4" exit, 2" titanium diaphragm compression drivers
- ♦ Externally switchable full range/bi-amp operation
- ♦ Externally switchable discrete/parallel operation (only Delta X218B)
- ♦ 90°x60° elliptical waveguides (only Delta X10)
- ♦ 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 compatible inputs
- ♦ Through outputs on "M" models
- ♦ High-pass outputs on X15B and X18B

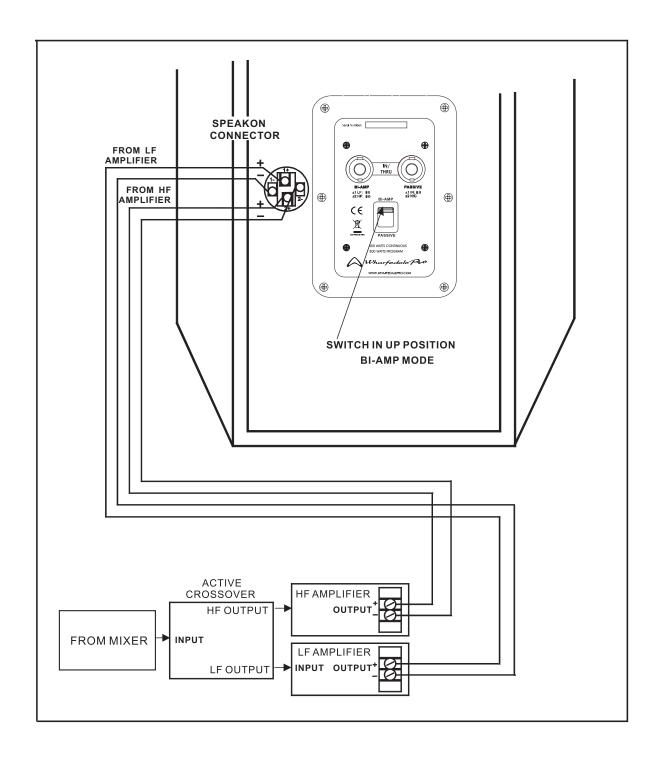
## **INSTALLATION**

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

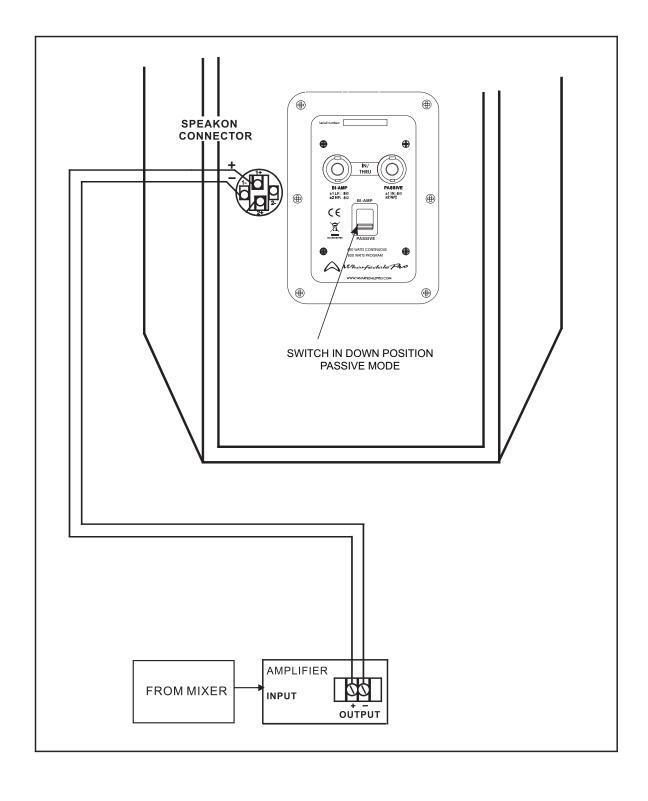
Improper installation of a loudspeaker system can cause serious harm and even death if correct procedure is not followed. Anyone attempting installation assumes all liability arising from such use.

- 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 this can result in damage to the drivers of your Delta X Series loudspeakers.
- Models with dual angle pole mount sockets (Delta X10, Delta X12 and Delta X15) 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.

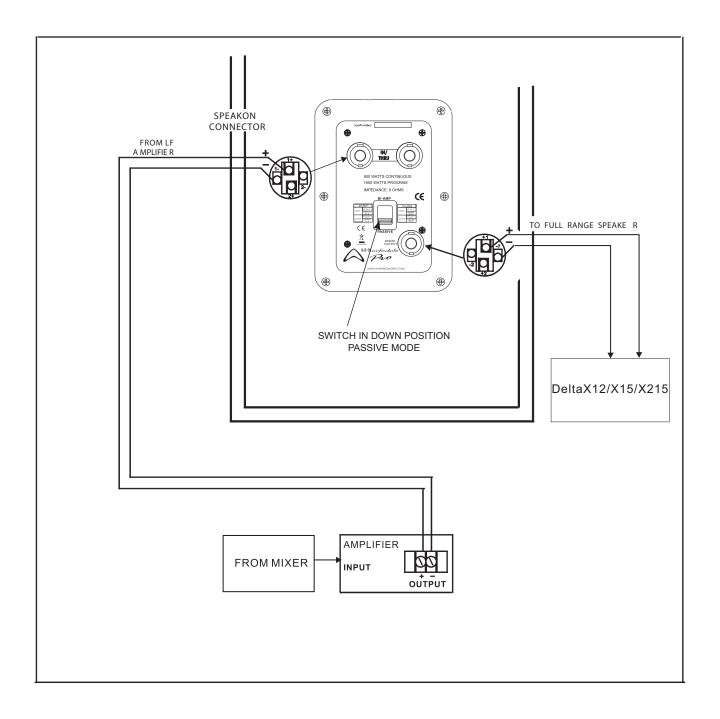
# **DELTA X10/X12/X12M/X15/X15M/X215 BI-AMP WIRING**



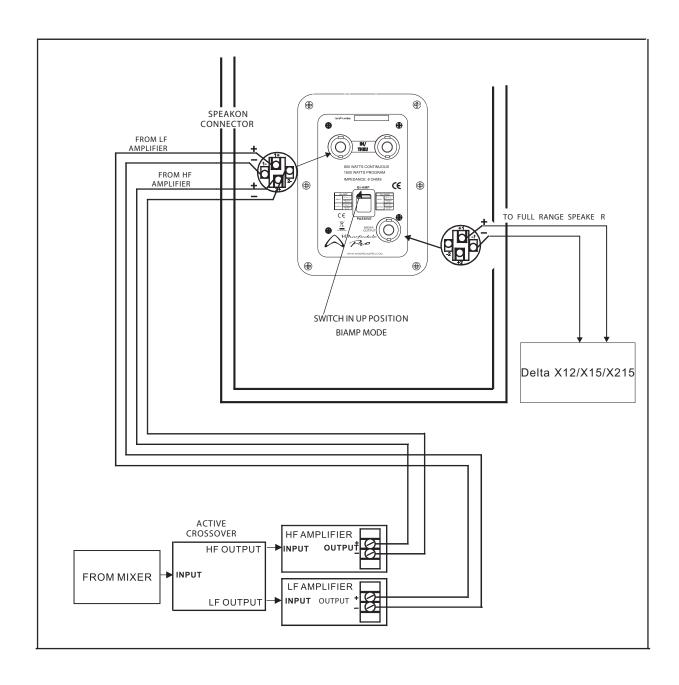
# DELTA X10/X12/X12M/X15/X15M/X215 FULLRANGE WIRING



# **DELTA X15B/X18B FULLRANGE WIRING**

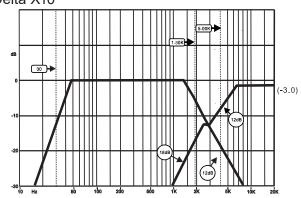


# **DELTA X15B/X18B BI-AMP WIRING**

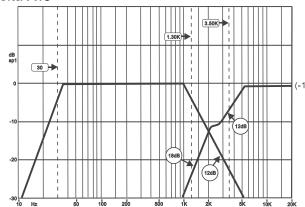


# **DELTA X SERIES SUGGESTED NETWORK SETTINGS**

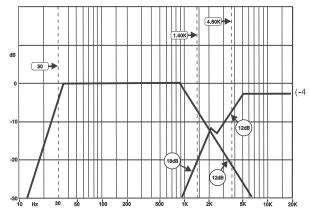
Delta X10



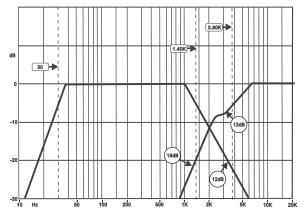
Delta X15



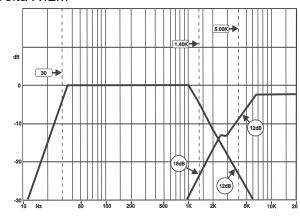
Delta X12

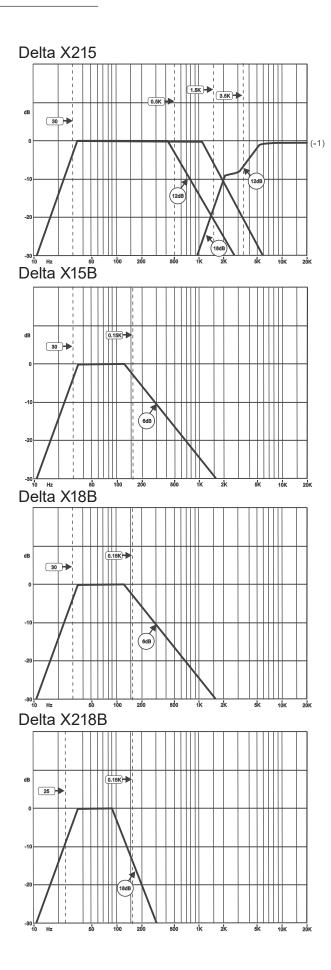


Delta X15M



Delta X12M





## **RIGGING/SUSPENDING**

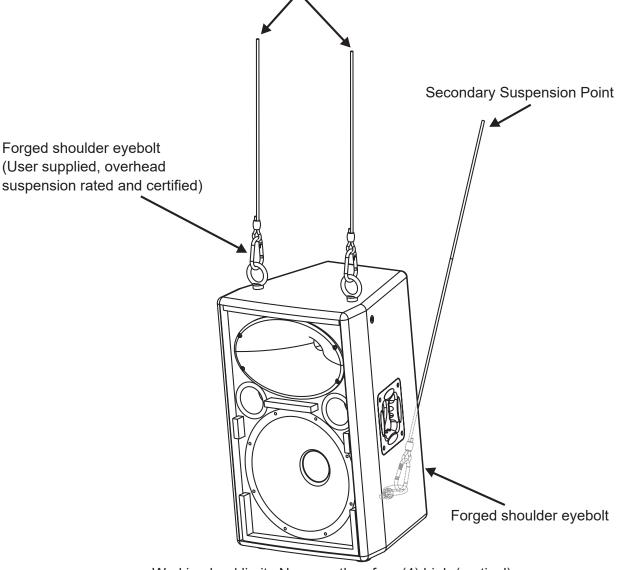
Using Shoulder Eyebolts

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)



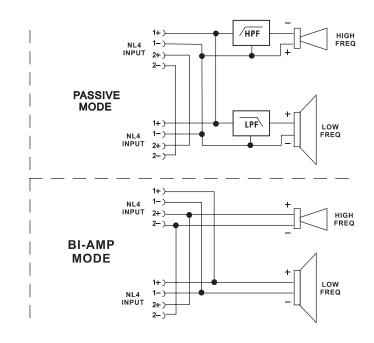
Working load limits:No more than four (4) high (vertical)
The four (4) high vertical specification represents a static ratio of 7:1

## **BLOCK/WIRING DIAGRAMS**

## **DELTA X10**

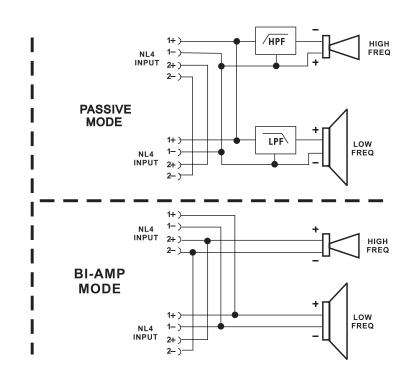
## **Block Diagram**





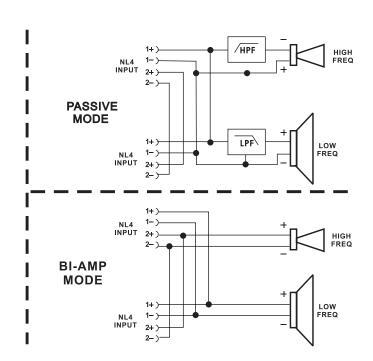
#### DELTA X12 Crossover Block Diagram





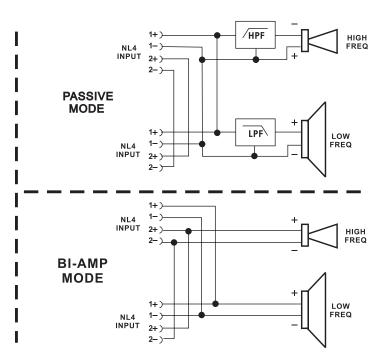
DELTA X15 Crossover Block Diagram





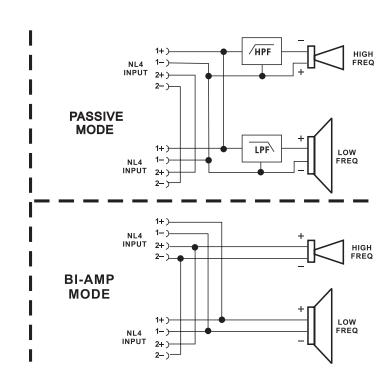
#### DELTA X12M Crossover Block Diagram





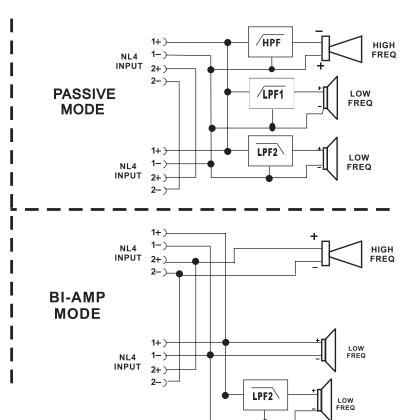
#### DELTA X15M Crossover Block Diagram





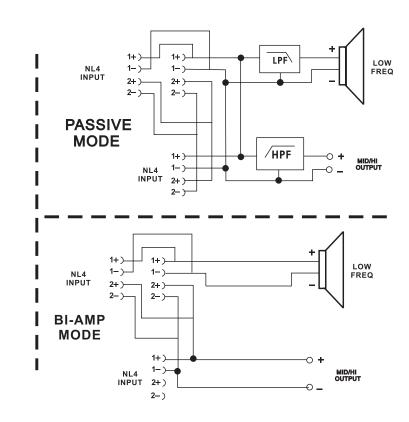
#### DELTA X215 Crossover Block Diagram



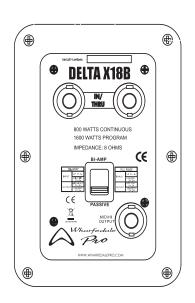


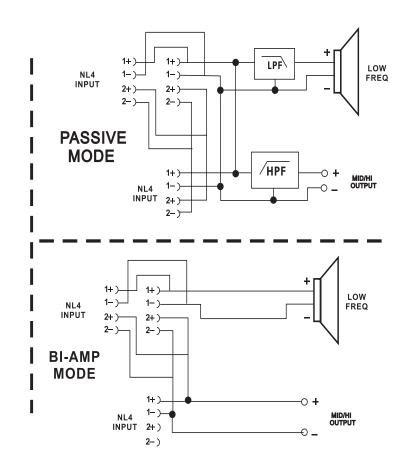
#### DELTA X15B Crossover Block Diagram



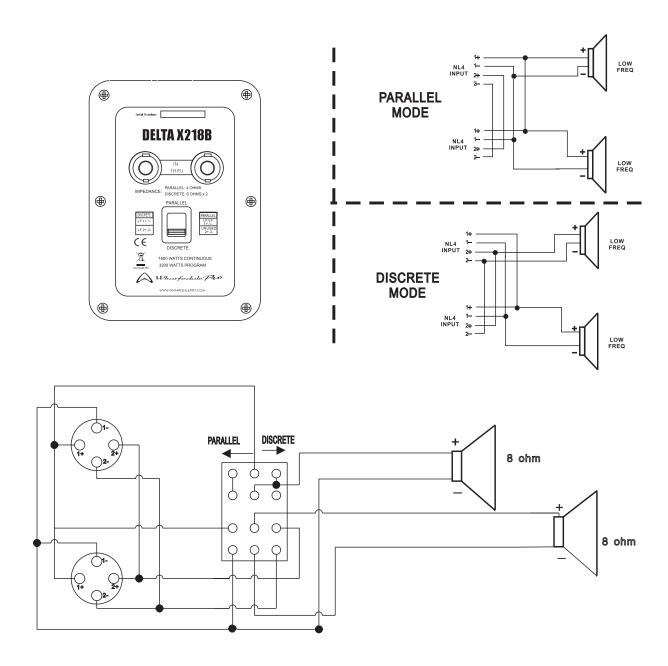


#### DELTA X18B Crossover Block Diagram



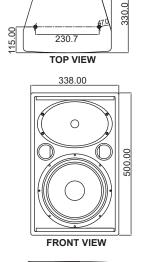


#### DELTA X218B Crossover Block Diagram



## **DIMENSIONAL DRAWINGS**

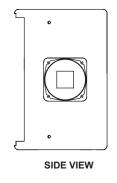
# DELTA X10

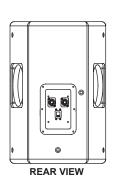


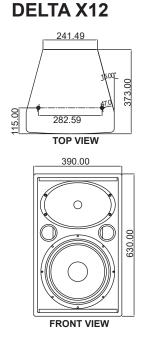
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212.4 BOTTOM VIEW

330.0

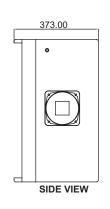


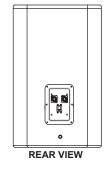




296.00

**BOTTOM VIEW** 



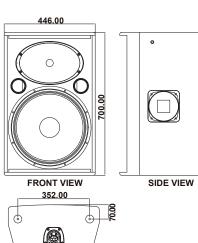


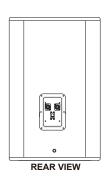
**DELTA X15** 

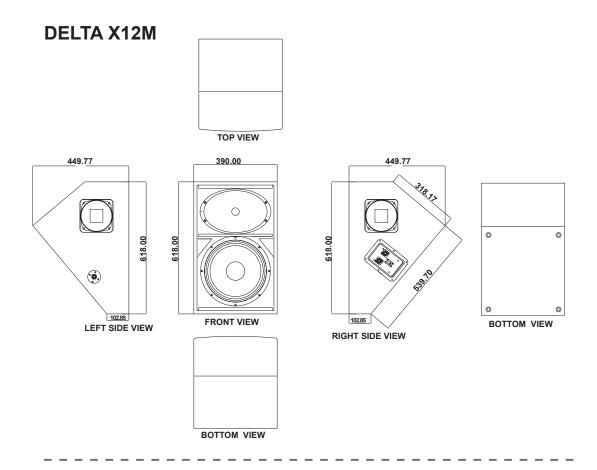
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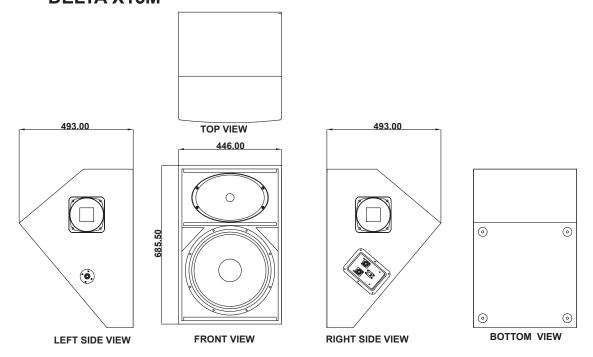
**BOTTOM VIEW** 

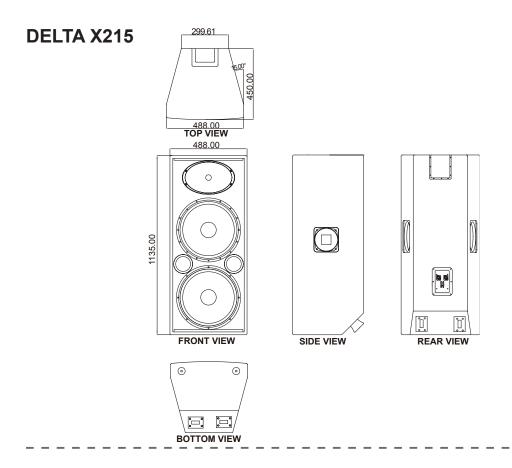




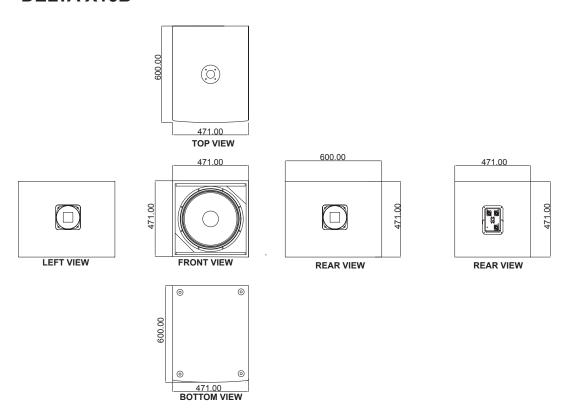


## **DELTA X15M**

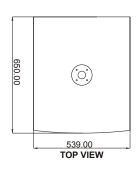


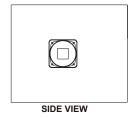


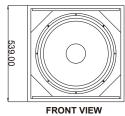
## **DELTA X15B**

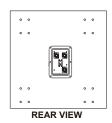


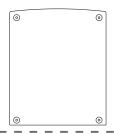
## **DELTA X18B**



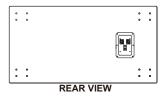




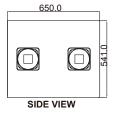


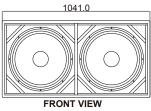


## **DELTA X218B**



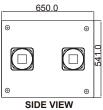






**BOTTOM VIEW** 





# **SPECIFICATIONS**

Model Name         Delta X10         Delta X12         Delta X15           System Type         Passive         Passive         Passive           Configuration         Two-way         Two-way         Two-way           Frequency Response (+/-3 dB)         65 Hz-20 kHz         60 Hz-20 kHz         50 Hz-20 kHz           Frequency Range (-10 dB)         60 Hz-20 kHz         55 Hz-20 kHz         45 Hz-20 kHz	
Configuration         Two-way         Two-way         Two-way           Frequency Response (+/-3 dB)         65 Hz-20 kHz         60 Hz-20 kHz         50 Hz-20 kHz	
Frequency Response (+/-3 dB) 65 Hz-20 kHz 60 Hz-20 kHz 50 Hz-20 kHz	
1 7 1 7 7 22 12 22 12 22 12 22 12 22 12 22 12 22 12 22 12 22 12 22 2	
Sensitivity (2.83 v / 1 m) 97 dB 97 dB 98 dB	
Calculated Maximum SPL @1 m 128 dB 129 dB 131 dB	
System Rated Impedance 8 $\Omega$ 8 $\Omega$ 8 $\Omega$	
Low Frequency Transducer	
Size 288 mm / 10" 332 mm / 12" 404 mm / 15"	
Voice Coil Size 63.5 mm / 2.5" 77.1 mm / 3" 77.1 mm / 3"	
Rated Impedance 8 $\Omega$ 8 $\Omega$ 8 $\Omega$	
LF Power (re:AES2-2012) 300 w 400 w 500 w	
High Frequency Transducer	
HF Driver Type Compression Driver Compression Driver Compression Driver	r
Voice Coil Size 44.5 mm / 1.75" Titanium 50.8 mm / 2" Titanium 50.8 mm / 2" Titanium	
Exit Size 25.4 mm / 1" 35.6 mm / 1.4" 35.6 mm / 1,4"	
Diaphragm Material Titanium Titanium Titanium	
Rated Impedance 8 $\Omega$ 8 $\Omega$ 8 $\Omega$	
HF Power (re:AES2-2012) 40 w 50 w 50 w	
Nominal Coverage (H x V) 90° x 60° 90° x 45° 90° x 45°	
Power	
System Continuous Power 300 w 400 w 500 w	
System Programme Power 600 w 800 w 1000 w	
System Peak Power         1200 w         1600 w         2000 w	
Crossover frequency         2.8 kHz         1.8 kHz         1.8 kHz	
Input Connector 2 x NL4 (speakON Compatible)	Compatible)
Hardware	,
Pole Mount Dual Angle (0°/10°) 35 mm Dual Angle (0°/10°) 35 mm Dual Angle (0°/10°)	35 mm
Handles 2 on Sides 2 on Sides 2 on Sides	
Enclosure	
20110100	
Enclosure	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black	
Enclosure         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         Height         500 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         1.5 mm Steel Black         1.5 mm Steel Black	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         Height         500 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"	
Enclosure   Enclosure Material   15 mm Plywood   15 mm Plywo	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         400 mm / 19.7"         630 mm / 24.8"         630 mm / 27.6"           Width Front         338 mm / 13.3"         390 mm / 15.3"         446 mm / 17.6"           Width Rear         212.4 mm / 8.4"         241.2 mm / 9.5"         281.4 mm / 11.1"           Depth         330 mm / 13"         373 mm / 14.7"         406 mm / 16.0"           Dimensions - Packed	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         400 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"           Width Front         338 mm / 13.3"         390 mm / 15.3"         446 mm / 17.6"           Width Rear         212.4 mm / 8.4"         241.2 mm / 9.5"         281.4 mm / 11.1"           Depth         330 mm / 13"         373 mm / 14.7"         406 mm / 16.0"           Dimensions - Packed         460 mm / 22.6"         773 mm / 28.9"         803 mm / 31.6"	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         500 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"           Width Front         338 mm / 13.3"         390 mm / 15.3"         446 mm / 17.6"           Width Rear         212.4 mm / 8.4"         241.2 mm / 9.5"         281.4 mm / 11.1"           Depth         330 mm / 13"         373 mm / 14.7"         406 mm / 16.0"           Dimensions - Packed         Height         575 mm / 22.6"         773 mm / 28.9"         803 mm / 31.6"           Width Front         400 mm / 15.7"         566 mm / 22.3"         622 mm / 24.5"	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         500 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"           Width Front         338 mm / 13.3"         390 mm / 15.3"         446 mm / 17.6"           Width Rear         212.4 mm / 8.4"         241.2 mm / 9.5"         281.4 mm / 11.1"           Depth         330 mm / 13"         373 mm / 14.7"         406 mm / 16.0"           Dimensions - Packed         Height         575 mm / 22.6"         773 mm / 28.9"         803 mm / 31.6"           Width Front         400 mm / 15.7"         566 mm / 22.3"         622 mm / 24.5"           Width Rear         300 mm / 11.8"         566 mm / 22.3"         622 mm / 24.5"	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         1.5 mm Steel Black         1.5 mm Steel Black         1.5 mm Steel Black           Width Front         338 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"           Width Rear         212.4 mm / 8.4"         241.2 mm / 9.5"         281.4 mm / 11.1"           Depth         330 mm / 13"         373 mm / 14.7"         406 mm / 16.0"           Dimensions - Packed         460 mm / 15.7"         566 mm / 22.3"         803 mm / 31.6"           Width Front         400 mm / 15.7"         566 mm / 22.3"         622 mm / 24.5"           Width Rear         300 mm / 11.8"         566 mm / 22.3"         622 mm / 24.5"           Depth         386 mm / 15.2"         464 mm / 18.3"         498 mm / 19.6"	
Enclosure Material 15 mm Plywood 15 mm Plywood 15 mm Plywood Finish Rhino Rock Rhino Rock Rhino Rock Rhino Rock Rhino Rock Rhino Rock 1.5 mm Steel Black 1.5 mm Steel Black 1.5 mm Steel Black Dimensions - Unpacked Height 500 mm / 19.7" 630 mm / 24.8" 700 mm / 27.6" Width Front 338 mm / 13.3" 390 mm / 15.3" 446 mm / 17.6" Width Rear 212.4 mm / 8.4" 241.2 mm / 9.5" 281.4 mm / 11.1" Depth 330 mm / 13" 373 mm / 14.7" 406 mm / 16.0" Dimensions - Packed Height 575 mm / 22.6" 773 mm / 28.9" 803 mm / 31.6" Width Front 400 mm / 15.7" 566 mm / 22.3" 622 mm / 24.5" Width Rear 300 mm / 11.8" 566 mm / 22.3" 622 mm / 24.5" Depth 386 mm / 15.2" 464 mm / 18.3" 498 mm / 19.6" Weight	
Enclosure           Enclosure Material         15 mm Plywood         15 mm Plywood         15 mm Plywood           Finish         Rhino Rock         Rhino Rock         Rhino Rock           Grille Material & Finish         1.5 mm Steel Black or White         1.5 mm Steel Black         1.5 mm Steel Black           Dimensions - Unpacked         1.5 mm Steel Black         1.5 mm Steel Black         1.5 mm Steel Black           Width Front         338 mm / 19.7"         630 mm / 24.8"         700 mm / 27.6"           Width Rear         212.4 mm / 8.4"         241.2 mm / 9.5"         281.4 mm / 11.1"           Depth         330 mm / 13"         373 mm / 14.7"         406 mm / 16.0"           Dimensions - Packed         460 mm / 15.7"         566 mm / 22.3"         803 mm / 31.6"           Width Front         400 mm / 15.7"         566 mm / 22.3"         622 mm / 24.5"           Width Rear         300 mm / 11.8"         566 mm / 22.3"         622 mm / 24.5"           Depth         386 mm / 15.2"         464 mm / 18.3"         498 mm / 19.6"	

# **SPECIFICATIONS**

W. J.IN.			
Model Name	Delta X12M	Delta X15M	Delta X215
System Type	Passive	Passive	Passive
Configuration	Two-way	Two-way	Quasi Three-way
Frequency Response (+/-3 dB)	60 Hz-20 kHz	55 Hz-20 kHz	45 Hz-20 kHz
Frequency Range (-10 dB)	55 Hz-20 kHz	50 Hz-20 kHz	40 Hz-20 kHz
Sensitivity (2.83 v / 1 m)	97 dB	98 dB	101 dB
Calculated Maximum SPL @1 m	129 dB	131 dB	137 dB
System Rated Impedance	8 Ω	8 Ω	4 Ω
Low Frequency Transducer			
Size	332 mm / 12"	404 mm / 15"	2 x 404 mm / 15"
Voice Coil Size	77.1 mm / 3"	77.1 mm / 3"	77.1 mm / 3"
Rated Impedance	8 Ω	8 Ω	2 x 8 Ω
LF Power (re:AES2-2012)	400 w	500 w	2 x 500 w
High Frequency Transducer			
HF Driver Type	Compression Driver	Compression Driver	Compression Driver
Voice Coil Size	50.8 mm / 2" Titanium	50.8 mm / 2" Titanium	50.8 mm / 2"
Exit Size	35.6 mm / 1.4"	35.6 mm / 1.4"	35.6 mm / 1.4"
Diaphragm Material	Titanium	Titanium	Titanium
Rated Impedance	8 Ω	8 Ω	8 Ω
HF Power (re:AES2-2012)	<del></del>		50 w
Nominal Coverage (H x V)			90° x 45°
Power			00 X 10
System Continuous Power	400 w	500 w	1000 w
System Programme Power	800 w	1000 w	2000 w
System Peak Power	1600 w	2000 w	4000 w
Crossover frequency	1.8 kHz	1.8 kHz	1.8 kHz
Input Connector	2 x NL4 (speakON Compatible)	2 x NL4 (speakON Compatible)	2 x NL4 (speakON Compatible)
Hardware	2 x NL+ (speakon compatible)	2 x 14L4 (speakO14 Compatible)	2 x NL4 (speakON Compatible)
Pole Mount			
Handles	2 on Sides	2 on Sides	2 on Sides / 1 on Back
Enclosure	2 UII Sides	2 OII Sides	2 OII Sides / I OII Back
Enclosure Material	15 mm Plywood	15 mm Plywood	15 mm Plywood
Finish	Rhino Rock	Rhino Rock	Rhino Rock
Grille Material & Finish	1.5 mm Steel Black	1.5 mm Steel Black	1.5 mm Steel Black
Dimensions - Unpacked	1.5 IIIII Steel Black	1.5 mm Steer Black	1.5 mm Steel black
Height	449 (SITU)mm / 17.7"	493 (SITU)mm / 19.4"	1125 mm / 44 7"
Width Front	,		1135 mm / 44.7"
Width Front Width Rear	390 mm / 15.4"	446 mm / 17.6"	488 mm / 19.2"
Depth	390 mm / 15.4"	446 mm / 17.6"	299.6 mm / 11.8"
Depth	618 mm / 24.3"	685 mm / 27.0"	450 mm / 17.7"
<u> </u>			
Dimensions - Packed			
Dimensions - Packed Height	462 mm / 18.2"	518 mm / 20.4"	1218 mm / 48.0"
Dimensions - Packed Height Width Front	690 mm / 27.2"	757 mm / 29.8"	558 mm / 22.0"
Dimensions - Packed Height Width Front Width Rear	690 mm / 27.2" 690 mm / 27.2"	757 mm / 29.8" 757 mm / 29.8"	558 mm / 22.0" 558 mm / 22.0"
Dimensions - Packed Height Width Front Width Rear Depth	690 mm / 27.2"	757 mm / 29.8"	558 mm / 22.0"
Dimensions - Packed Height Width Front Width Rear Depth Weight	690 mm / 27.2" 690 mm / 27.2" 522 mm / 20.6"	757 mm / 29.8" 757 mm / 29.8" 565 mm / 22.2"	558 mm / 22.0" 558 mm / 22.0" 522 mm / 20.6"
Dimensions - Packed Height Width Front Width Rear Depth Weight Net Weight (kg / lbs)	690 mm / 27.2" 690 mm / 27.2" 522 mm / 20.6" 23.18 kg / 50.9 lbs	757 mm / 29.8" 757 mm / 29.8" 565 mm / 22.2" 27.24 kg / 59.9 lbs	558 mm / 22.0" 558 mm / 22.0" 522 mm / 20.6" 52.9 kg / 116.6 lbs
Dimensions - Packed Height Width Front Width Rear Depth Weight	690 mm / 27.2" 690 mm / 27.2" 522 mm / 20.6"	757 mm / 29.8" 757 mm / 29.8" 565 mm / 22.2"	558 mm / 22.0" 558 mm / 22.0" 522 mm / 20.6"

# **SPECIFICATIONS**

Model Name	Delta X15B	Delta X18B	Delta X218B
System Type	Passive	Passive	Passive
Configuration	Subwoofer	Subwoofer	Dual Chamber Subwoofer
Frequency Response (+/-3 dB)	42 Hz -2 KHz(BI-AMP)	38 Hz-1.5 KHz(BI-AMP)	30 Hz -1.5 KHz
Frequency Range (-10 dB)	38 Hz-150 Hz	30 Hz-1.5 KHz	25 Hz -1.5 kHz
Sensitivity (2.83 v / 1 m)	98 dB	99 dB	100 dB
Calculated Maximum SPL @1 m	132 dB	134 dB	138 dB
System Rated Impedance	8 Ω	8 Ω	Parallel: 4 Ω Discrete: 8 Ω x 2
Low Frequency Transducer	8 12	0.77	Farallel. 4 12 Discrete. 6 12 X 2
Size	404 mm / 15"	470 mm / 18"	470 mm / 18"
Voice Coil Size			
	102 mm / 4"	102 mm / 4"	102 mm / 4"
Rated Impedance	8 Ω or 4 Ω	8 Ω or 4 Ω	2 x 8 Ω
LF Power (re:AES2-2012)	700 w	800 w	2 x 800 w
High Frequency Transducer			
HF Driver Type			
Voice Coil Size			
Exit Size			
Diaphragm Material			
Rated Impedance			
HF Power (re:AES2-2012)			
Nominal Coverage (H x V)			
Power			
System Continuous Power	700 w	800 w	1600 w Parallel / 800 w Discrete
System Programme Power	1400 w	1600 w	3200 w Parallel / 1600 w Discrete
System Peak Power	2800 w	3200 w	6400 w Parallel / 3200 w Discrete
Crossover frequency	2000 W	3200 W	0400 W Faraller / 3200 W Discrete
Input Connector	2 x NL4 (speakON Compatible)	2 x NL4 (speakON Compatible)	2 x NL4 (speakON Compatible)
Hardware	2 x NL4 (speakON Compatible)	2 x NL4 (speakON Compatible)	2 x NL4 (speakON Compatible)
	0.5	05	
Pole Mount	35 mm	35 mm	4 0:1
Handles	2 on Sides	2 on Sides	4 on Sides
Enclosure			
Enclosure Material	15 mm Plywood	15 mm Plywood	18 mm Plywood
Finish	Rhino Rock	Rhino Rock	Rhino Rock
Grille Material & Finish	1.5 mm Steel Black	1.5 mm Steel Black	1.5 mm Steel Black
Dimensions - Unpacked			
Height	471 mm / 18.5"	539 mm / 21.2"	541 mm / 21.3"
Width Front	471 mm / 18.5"	539 mm / 21.2"	1041 mm / 41.0"
Width Rear	471 mm / 18.5"	539 mm / 21.2"	1041 mm / 41.0"
Depth	600 mm / 23.6"	650 mm / 25.6"	650 mm / 25.6"
Dimensions - Packed			
Height	556 mm / 21.9"	624 mm / 24.6"	626 mm / 25.6"
Width Front	543 mm / 21.4"	611 mm / 24.1"	1126 mm / 44.3"
Width Rear	543 mm / 21.4"	611 mm / 24.1"	1126 mm / 44.3"
Depth			
Weight	672 mm / 26.5"	722 mm / 28.4"	722 mm / 28.4"
	04.51/00.4.11	07.01. / 00.00 !!	70.01 /470.01
Net Weight (kg / lbs)	31.5 kg / 69.4 lbs	37.3 kg / 82.06 lbs	78.9 kg / 173.9 lbs
Gross Weight (kg / lbs)	35.12 kg / 77.4 lbs	43.2 kg / 95.04 lbs	86.0 kg / 189.6 lbs

# **Delta X Series**

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#### 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.



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