



Wharfedale Pro WLA-312X Overview

To download the full user manual, please visit
www.wharfedalepro.com

IMPORTANT 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.
5. CABLES – Do not use shielded or microphone cables for connection between amplifiers and speakers. Use only approved speaker cables with proper connectors.
6. CAUTION – 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.
7. 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.

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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www.wharfedalepro.com

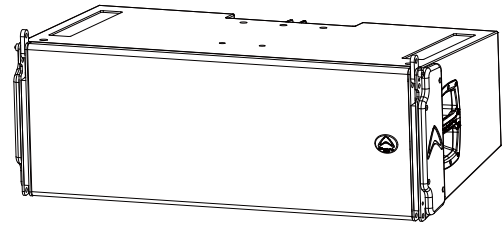
Wharfedale Professional reserves the right to alter or improve specifications without notice.

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SPECIFICATION

Model Name	WLA-312X
System Type	Passive
Configuration	three-way
Frequency Response (+/-3 dB)	50-18 kHz
Frequency Range (-10 dB)	40-20 kHz
Sensitivity 2.83 v / 1 Meter	HF:114 dB/MF:105 dB/LF:102 dB
Calculated Maximum SPL @ 1 Meter	HF:142 dB/MF:136 dB/LF:138 dB
Low Frequency Transducer	
Size (mm / inches)	313 mm / 12"
Voice Coil Size (mm / inches)	75.5 mm / 3"
LF Magnet Material	Ferrite
LF Frame Material	Aluminium
Rated Impedance	2 x 8 Ω
LF Power re:AES2-2012	2 x 450 W
Mid Frequency Transducer	
Size (mm / inches)	260 mm / 10"
Voice Coil Size (mm / inches)	65 mm / 2.55"
MF Magnet Material	NdFeB
MF Frame Material	Aluminium
Rated Impedance	16 Ω
MF Power re:AES2-2012	350 W
High Frequency Transducer	
HF Driver Type	Compression Driver
Coil Size (mm / inches)	65 mm / 2.55"
Exit Size (mm / inches)	1.4"
HF Magnet Material	NdFeB
Diaphragm Material	Titanium
Rated Impedance	16 Ω (2 x 8 Ω)
HF Power re:AES2-2012	160 W (2 x 80 W)
Waveguide Type	square
Nominal Coverage (H x V)	90H x 7.5V
Nominal Impedance	16 Ω
Power	
System Power AES (RMS) (w)	HF:160 W/MF:350 W/LF:900 W
System Programme Power (w)	HF:320 W/MF:700 W/LF:1800 W
System Peak Power (w)	HF:640 W/MF:1400 W/LF:3600 W
Crossover frequency	160 Hz / 1.2 kHz
Input Connector	2 x Neutrik NL8MPR
Rigging	3 points for rigging
Pole mount	NO
Handles	Yes
Enclosure	
Cabinet type	Trapezoid
Enclosure Material and finish	15 mm,18 mm plywood
Colour Options	black paint
Grille Material & Finish	steel
Dimensions - Unpacked	
Height	370 mm
Width Front	1030 mm
Width Rear	279 mm
Depth	550 mm
Dimensions - Packed	
Height	1095 mm
Width Front	480 mm
Width Rear	480 mm
Depth	650 mm
Weight	
Net Weight	58 kg
Gross Weight	62 kg

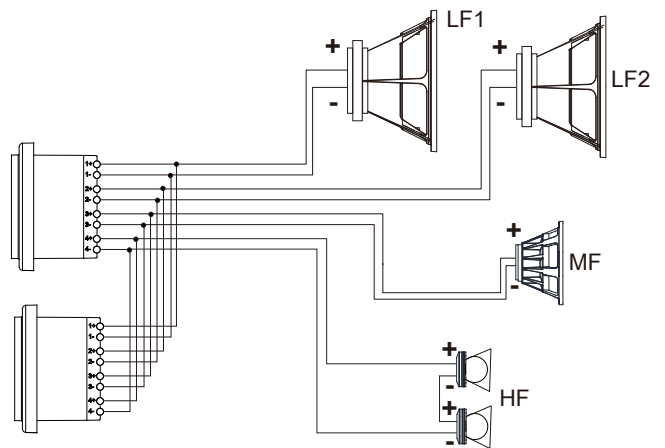
WLA-312X



FEATURES

- Three-way configuration to deliver a new dimension in sound clarity
- 18 mm Baltic birch plywood cabinet construction
- Full frontal steel grilles
- Neutrik NL8 inputs
- Maximum SPL 142 dB @ 1 meter
- Sensitivity 114 dB
- Neodymium magnets in mid-range and HF drivers
- Downloadable Versadrive series presets from www.wharfedalepro.com

CONNECTION WIRING



Pin1+ LF1+ Pin1- LF1-
 Pin2+ LF2+ Pin2- LF2-
 Pin3+ MF+ Pin3- MF-
 Pin4+ HF+ Pin4- HF-
 HF: 160 W AES / 16 Ohm
 MF: 350 W AES / 16 Ohm
 LF: 900 W AES / 2X8 Ohm

Wharfedale Pro also manufacture a wide range of power amplifiers and signal processors.
 For recommended accessories, amplifiers and system diagrams please visit www.wharfedalepro.com