Wharfedale Pro

Your full user manual can also be downloaded from www.wharfedalepro.com

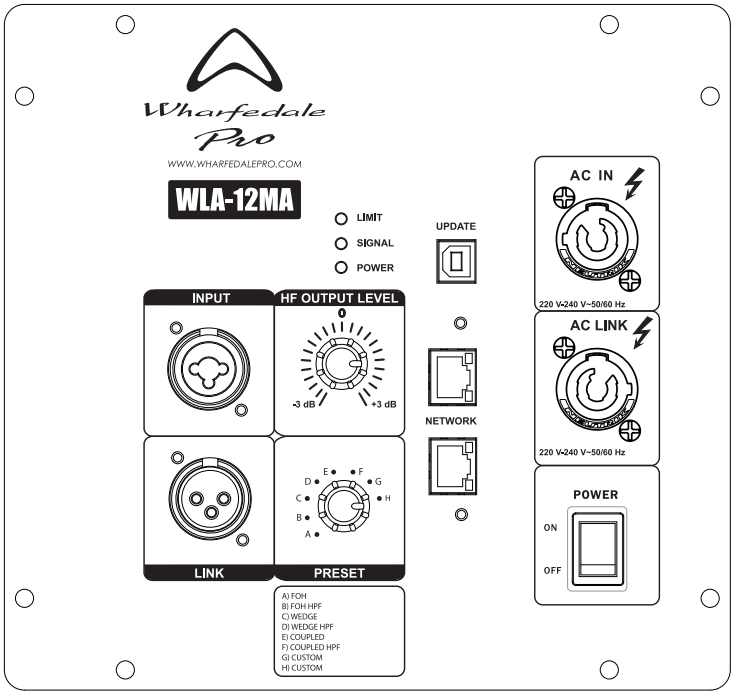
WLA-12MA
QUICK START GUIDE

Congratulations on the purchase of your WLA-12MA. We take great pride in engineering and building every Wharfedale Pro product and wish to thank you for entrusting us with your audio.

From the time Gilbert Briggs built his first loudspeaker in 1932, to the present day, we have maintained the same standard of quality in components, workmanship and performance.
Please take the time to read this guide completely in order to get the most from your new active PA.

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Model Name	**WLA-12MA**
System Type	Active 12" 2-way Monitor Bi-Amplified
Frequency Response (+/-3 dB)	55 Hz - 20 KHz
Frequency Range (-10 dB)	50 Hz - 20 KHz
Loudspeaker Sensitivity @ 1 W / 1 m)	98 dB
Maximum SPL(peak)(@1 m)	131 dB
Nominal Coverage (H x V)	90° x 60°
Signal Processing	DSP based,8 FIR presets resident in Input Module
Preset list	A) WEDGE B) WEDGE HPF C) COUPLED D) COUPLED HPF E) FOH F) FOH HPF G) CUSTOM H) CUSTOM
Amplifiers	
Amplifier Design	Class D
Power Rating:	1500 W Peak (1300 W LF + 200 W HF), 750 W Continuous (650 W LF + 100 W HF)
Power On Protection	Power switch on/off mute
Thermal Protection	Amplifier Shut Down. Auto Reset
Low Line Voltage Shut Down	80% Nominal Line Voltage
Driver Protection	Independent L/ H Limiters and DC
DC and Short Protection	Yes
Limiter Indicator	Red LED
Signal Indicator	Green LED
Power/Active Indicator	White LED
Find Function Indicator	Blue LED
Input Sensitivity	+4 dBu
Maximum Input Level	+18 dBu
Input Impedance	Balanced: 10 KΩ
AC Power details - Power Supply	High Efficiency Switching Mode Power Supply
Connectors	
Input Connector	XLR 1/ 4" Combo jack
Link Connector	Balanced Male XLR Connector
UPDATE	USB Type B
NETWORK (RS485)	RJ45
AC Power Options	AC 100-120 V~/ 220-240 V~,50/60 HZ
AC Input Connector	Neutrik powerCON 20 A
AC Loop Through Connector	Neutrik powerCON 20 A
Hardware - Rigging	M10 x 8
Enclosure Material and finish	15 mm Plywood
Colour Options	Black Rhino Paint
Grille Material & Finish	1.5 Steel
Unpacked dimensions - Height	658 mm / 25.9"
Width (Front)	372 mm / 14.6"
Width (Back)	
Depth	400.1 mm / 15.8"
Packed Dimensions - Height	738 mm / 29.1"
Width (Front)	470 mm / 18.5"
Width (Back)	470 mm / 18.5"
Depth	445 mm / 17.5"
Net Weight (Kg / lbs)	26.5 Kg / 58.3 lbs
Gross Weight (Kg / lbs)	28.8 Kg / 63.4 lbs



INPUT: Balanced Combi jack / XLR input

LINK: Balanced line output

HF OUTPUT LEVEL: HF Output level with -3 dB cut to +3 dB boost

PRESET: DSP Preset control selector

UPDATE: USB Input for software update. Service staff only.

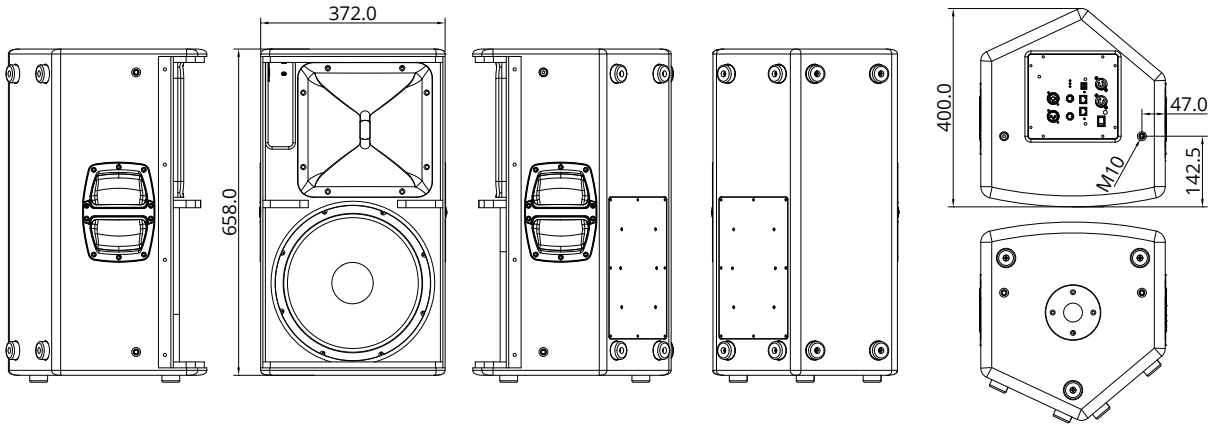
NETWORK: Network connection using RS485 protocol. Download the software from www.wharfedalepro.com

AC IN: AC Input using PowerCon connector

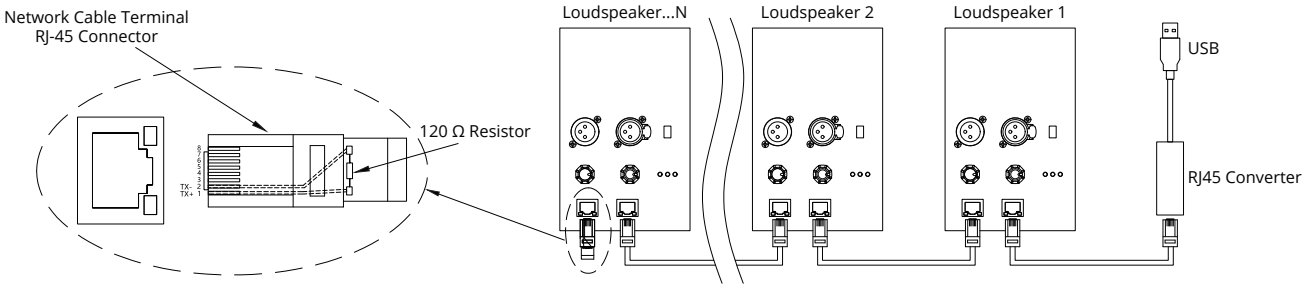
AC LINK: For cascade power to other active loudspeakers in the system. DO NOT EXCEED A TOTAL OF 20 A (continuous current powerCON limit) for each line.

POWER: Power on switch. Only power on after all audio connections have been made.

OVERVIEW



Network cable interface description



Network total length can be improved by using a 120 Ohm resistor between pins 1 and 2 on an RJ45 connector.
This should be connected to the spare network port on the final speaker in the network.

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.

3. 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 three years from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Pro dealer or distributor for information.
Please be aware that the warranty details may differ from country to country. Contact your dealer or distributor for information (available at www.wharfedalepro.com). These terms do not infringe your statutory rights.

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www.wharfedalepro.com
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