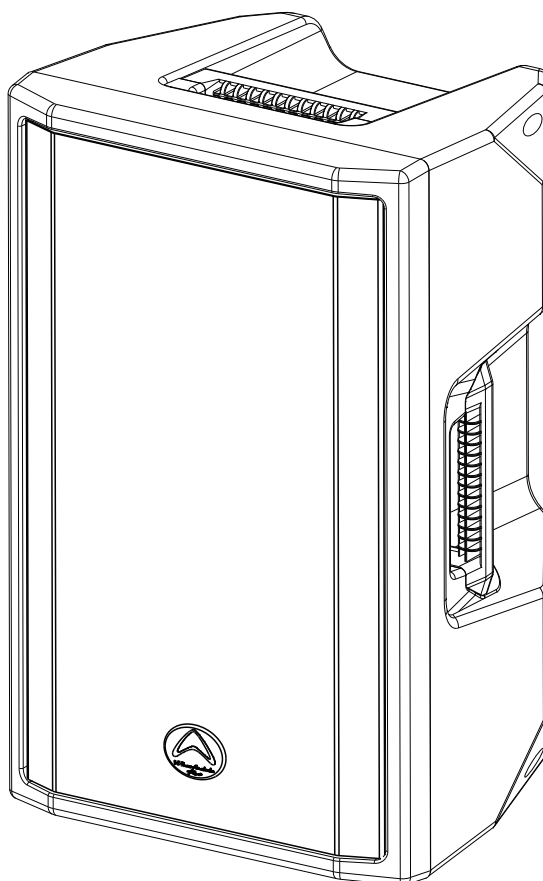


PSX112

PSX115



Power to the People !

The PSX112 (12", 350w Continuous) and PSX115 (15" 450w Continuous) active loudspeakers are a powerful and high quality PA solution for any sound project constrained by budget.

Constructed of durable polypropylene and using a full-face steel front grille, PSX are robust and versatile - ideal for DJ's, musicians and installations.

Custom Wharfedale Pro drivers have been used. Both models use a class-leading 1.75" HF compression driver to ensure clear and accurate high frequency performance. Meanwhile the large 2.0" voice coils used in the LF drivers give efficient power handling, even at extreme volumes.

Both models are bi-amplified using Class D for the LF and a newly designed Class AB amplifier for the HF. This combination gives a great power to price ratio.

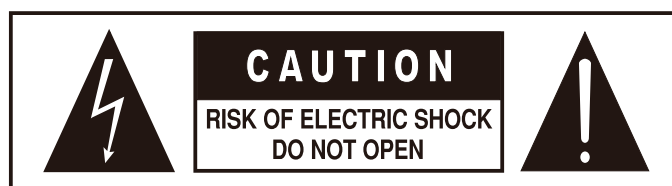
Simple operation is the key though - with +/-12dB treble and bass controls and straightforward connectivity, even the most inexperienced user can achieve great sound.

PSX series - delivering huge power to the people.

FEATURES

- Bi-amplified with high power output
- Easy operation
- Portable and durable
- Custom Wharfedale Pro drivers
- 1.75" HF compression driver
- Convection cooling
- 4 x M8 rigging points
- PSX112 350w Continuous / 700w Peak
- PSX115 450w Continuous / 900w Peak

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.
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 – 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.
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.

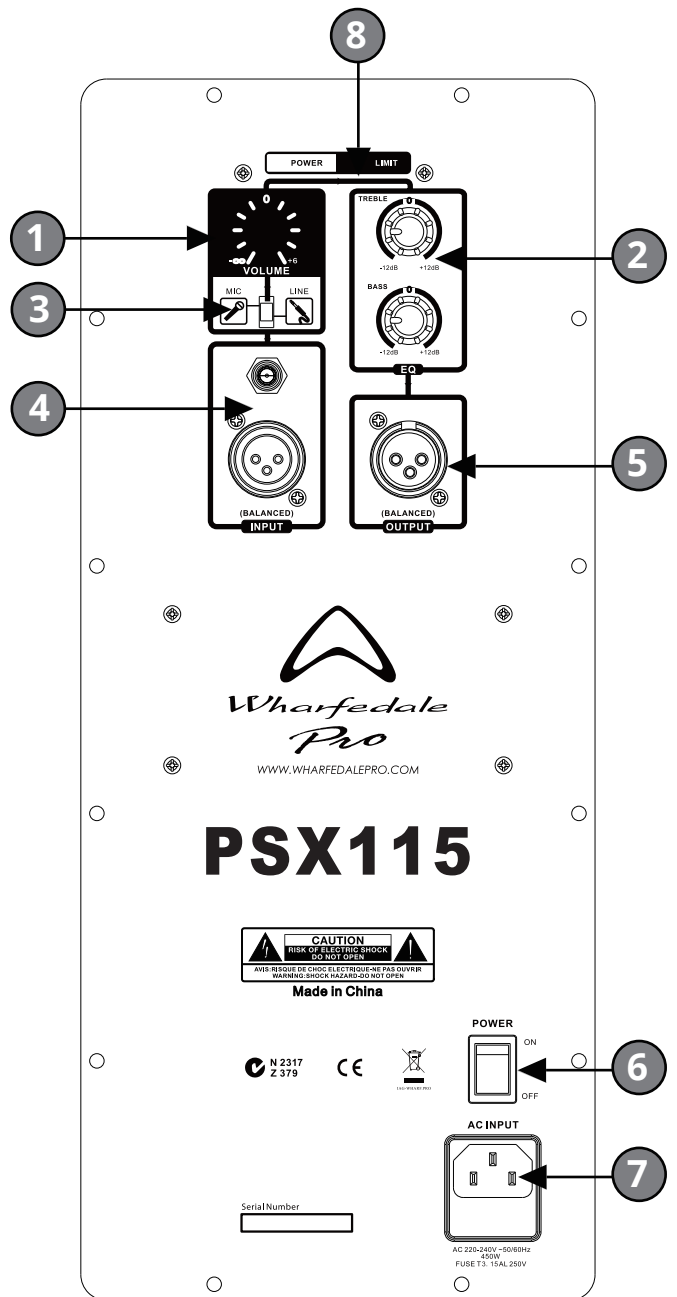
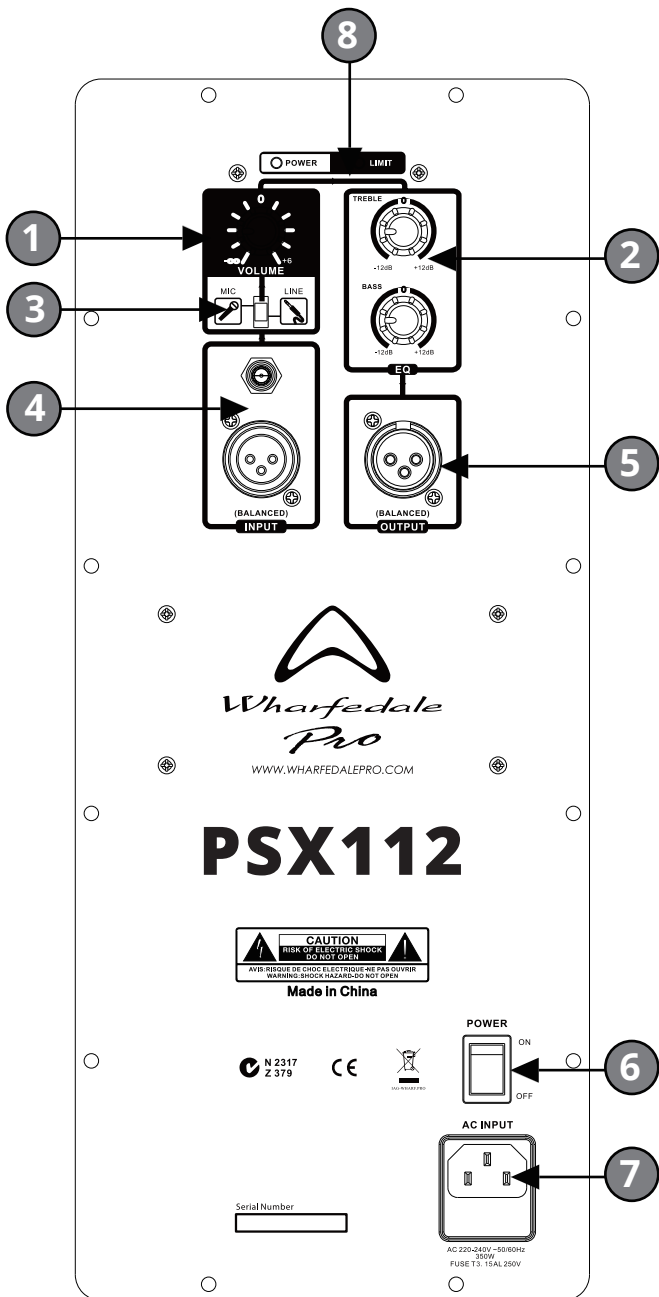
UNDER NO CIRCUMSTANCES ATTEMPT TO RIG, SUSPEND OR OTHERWISE MOUNT THESE SPEAKERS UNLESS YOU ARE FULLY QUALIFIED AND CERTIFIED TO DO SO BY RELEVANT LOCAL, STATE AND NATIONAL AUTHORITIES. ALL RELEVANT SAFETY REGULATIONS MUST BE FOLLOWED. IF YOU ARE NOT PROPERLY QUALIFIED OR DO NOT KNOW OF PERTINENT REGULATIONS,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

SETTING UP

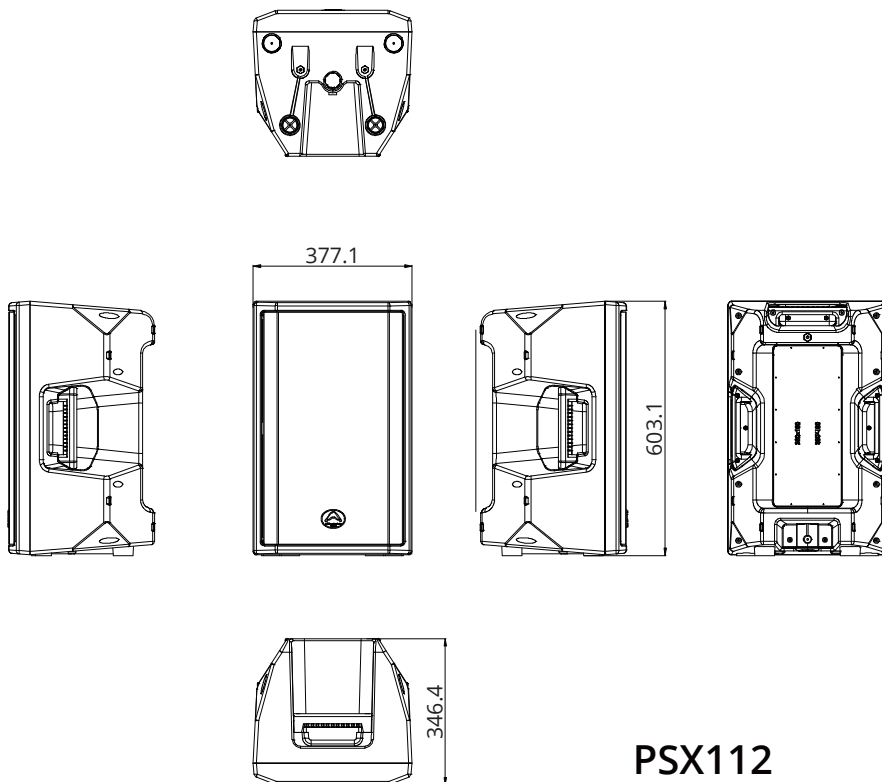
1. Ensure the mains switch is in the off position.
2. Set the level control to minimum (Fully anticlockwise).
3. Set the EQ controls to 0dB.
4. Select mic/line input.
5. Connect all signal cables.
6. Connect the power cable.
7. Switch on source equipment, ensuring that the master level is at minimum.
8. Switch on the PSX Loudspeaker.
9. Raise the level control on the PSX.
10. If the limit LED illuminates lower the level control, if more level is required you will need more speakers. Occasional flashes are acceptable.
11. When powering down your system ensure that the level control has been lowered to minimum before switching off the power.

REAR PANEL FEATURES

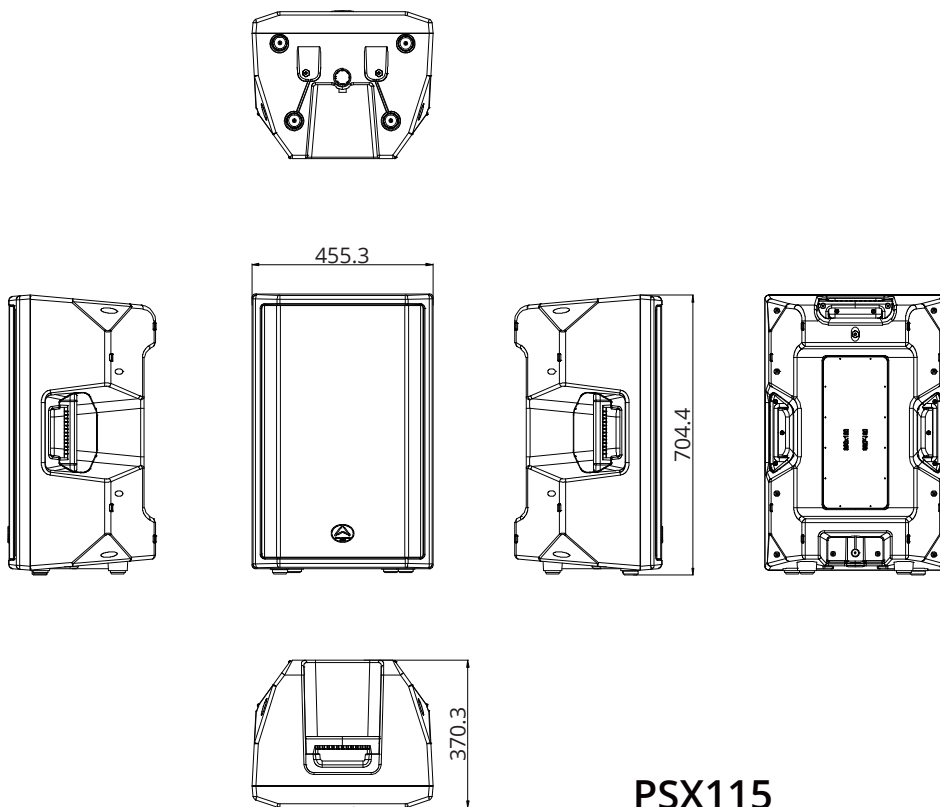
1. Volume control: This knob controls the overall volume of the PSX.
 2. HI and LOW EQ (equalization) controls: These knobs control the equalization of overall output signal providing +/-12dB of gain for each band.
 3. MIC/LINE switch: This switch selects the proper gain structure for INPUT. If a microphone is connected to INPUT, use MIC mode(up). If the signal source is anything other than a microphone (playback device, keyboard or mixer output, for instance) use the line mode(down)
 4. TRS jack and XLR sockets for INPUT: These convenient jacks allow the TRS jack and male XLR balanced input connections to be used as INPUT.
 5. XLR line level OUTPUT: This connector provides a balanced line level output for connection to additional PSX models or powered subwoofers.
 6. POWER ON/OFF switch, turns the power on and off.
 7. POWER cord receptacle: This is a receptacle for a standard IEC, three prong, grounded AC electrical connection cord. Be sure that you are plugging into the correct source voltage that matches what is indicated just below the power cord jack.
 8. POWER LED and LIMIT LEDs
- The LIMIT LED illuminates when the signal limiter is limiting the level of the signal to prevent distortion and overload.



LINE DRAWINGS

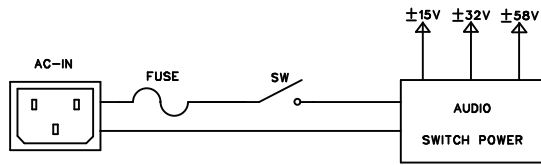
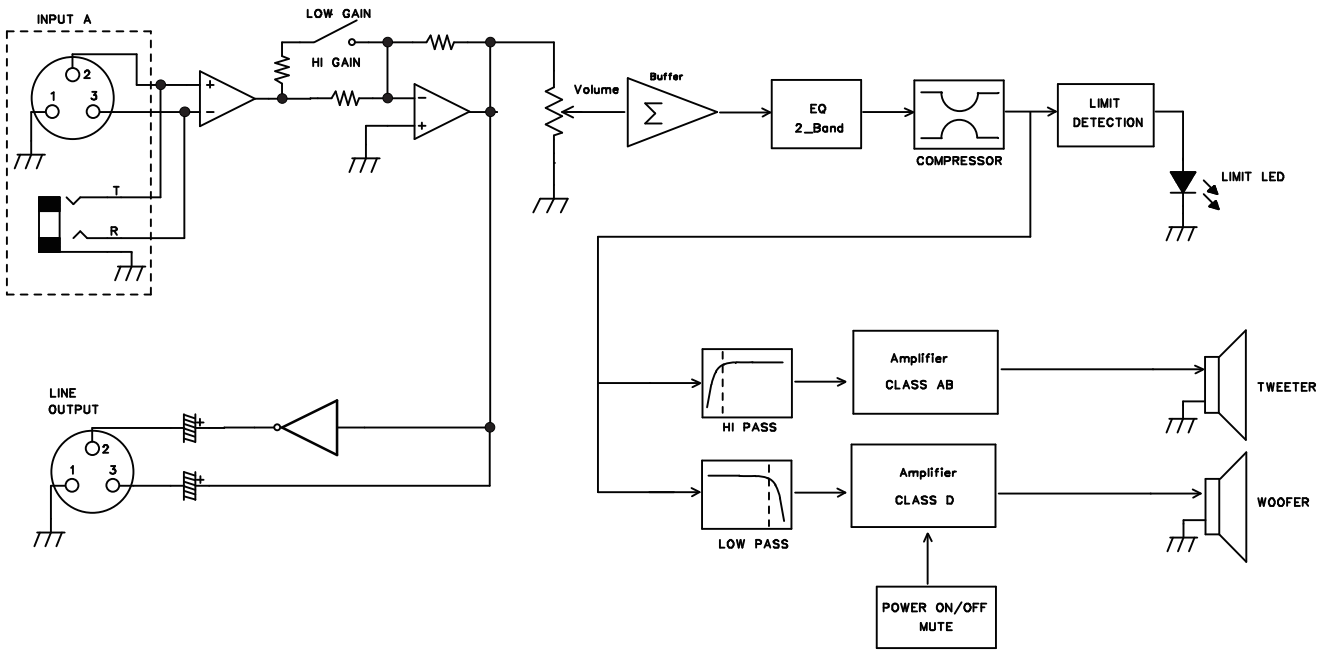


PSX112

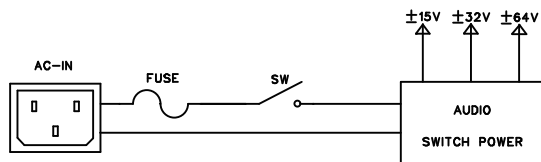
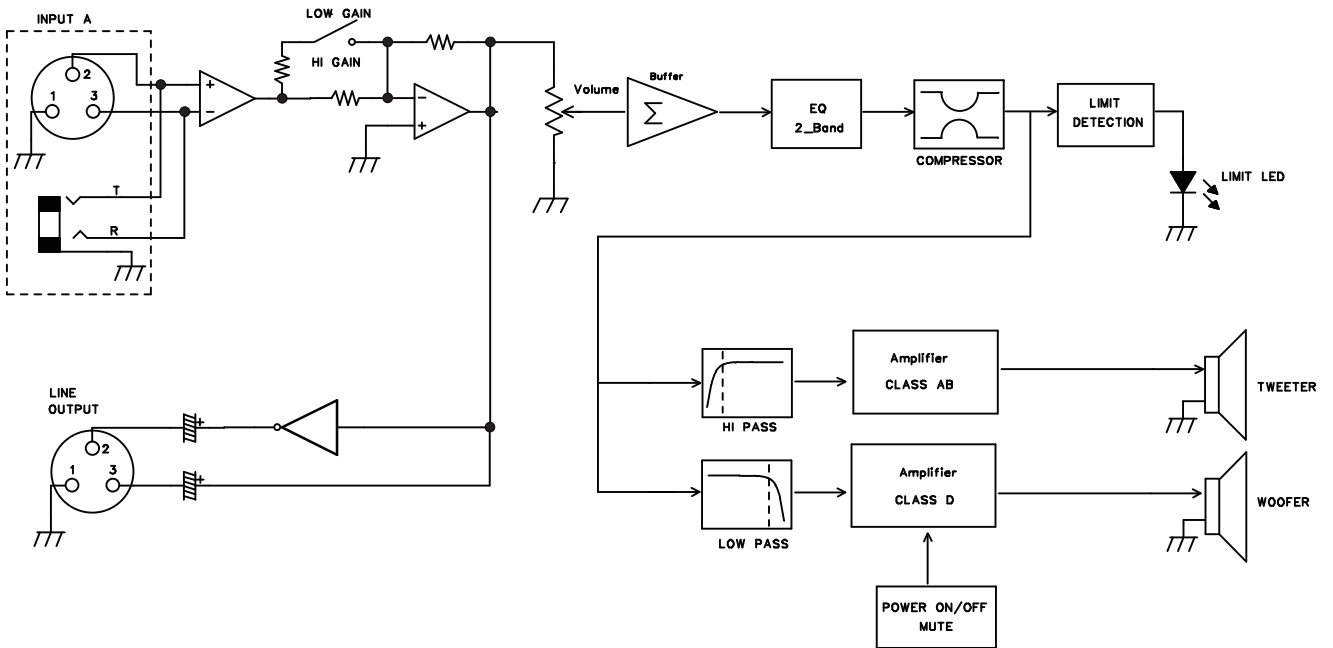


PSX115

BLOCK DIAGRAM



PSX112



PSX115

SPECIFICATIONS

Model Name	PSX112	PSX115
System Type	Active 12" 2-way Bi-Amplified system	Active 15" 2-way Bi-Amplified system
Frequency Response (+/-3dB)	55Hz-20kHz	50Hz-20kHz
Sensitivity @ 1W / 1m	96dB	97dB
Maximum SPL (peak @1m)	128dB	130dB
Low Frequency Transducer		
Size (mm / inches)	305mm / 12"	381mm / 15"
Coil Size (mm / inches)	50.8mm / 2.0"	50.8mm / 2.0"
Impedance	4Ω	4Ω
High Frequency Transducer		
Type	Compression Driver	Compression Driver
Coil Size (mm / inches)	44.5mm / 1.75"	44.5mm / 1.75"
Exit Size (mm / inches)	25mm / 1"	25mm / 1"
Diaphragm Material	Titanium	Titanium
Impedance	8Ω	8Ω
High Frequency Coverage (H x V)	90° x 60°	90° x 60°
Amplifiers		
Low-Frequency Power Amplifier (Class D)	250w Continuous / 500w Peak	350w Continuous / 700w Peak
High-Frequency Power Amplifier (Class AB)	100w Continuous / 200w Peak	100w Continuous / 200w Peak
Electronic Crossover:		
Crossover Frequency	HI PASS 2.5kHz LOW PASS 2.5kHz	HI PASS 2.4kHz LOW PASS 2.4kHz
Controls		
Equalization	+/-12dB Gain for bass and treble	+/-12dB Gain for bass and treble
Amplifier Protection		
Power On Protection	Power switch on / off mute	Power switch on / off mute
Thermal Protection	Amplifier shutdown, auto reset	Amplifier shutdown, auto reset
Driver, DC and Short Protection	Yes	Yes
Limiter Indicator	Red LED	Red LED
Power Indicator	Green LED	Green LED
Input type	Balanced	Balanced
Input Connectors	TRS JACK AND FEMALE XLR	TRS JACK AND FEMALE XLR
Input Impedance	47KΩ Balanced	47KΩ Balanced
Maximum Input Level	5V	5V
Line Input Sensitivity	-10dB	-10dB
Mic Input Sensitivity	-40dB	-40dB
Line Output Connector	MALE XLR	MALE XLR
AC Power details		
Power Supply	SMPS	SMPS
AC Power Options	100V-120V and 200V-240V	100V-120V and 200V-240V
Power On Indicator	LED	LED
Rigging / Bracket / Mounting Options	4 x M8 35mm Pole-mount with lock screw 3 carry handles (one on each side, one on top) Optional wall-mount bracket (WPB-2)	4 x M8 35mm Pole-mount with lock screw 3 carry handles (one on each side, one on top) Optional wall-mount bracket (WPB-2)
Enclosure		
Enclosure Material	Injection Moulded Polypropylene	Injection Moulded Polypropylene
Colour	black	black
Grille	1.2mm steel	1.2mm steel
Dimensions (Unpacked) (mm / inches):		
Height	603mm / 23.7"	603mm / 23.7"
Width - Front	377mm / 14.8"	455mm / 17.9"
Width - Rear	217mm / 8.54"	262mm / 10.3"
Depth	347mm / 13.7"	401.8mm / 15.1"
Dimensions (packed)(mm / inches):		
Height	666mm / 26.2"	762mm / 30.0"
Width	430mm / 16.9"	508mm / 20.0"
Depth	408mm / 16.1"	425mm / 16.7"
Weight		
Net Weight (kg / lbs)	15.0kg / 33.0lbs	19.2kg / 42.2lbs
Gross Weight (kg / lbs)	17.0kg / 37.4lbs	22.0kg / 48.4lbs

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 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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