

EVP-XP POWERED SERIES PROFESSIONAL LOUDSPEAKER USER MANUAL.



THIS USER MANUAL COVERS THE FOLLOWING MODELS:

**EVP-X12P • EVP-X12PM • EVP-X15P • EVP-X15PM •
EVP-X215P
EVP-X15PB • EVP-X18PB Subwoofers**

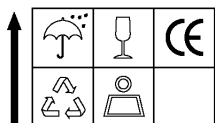
Contents:

Page 1: Warning and Safety Instructions
Page 2: Specifications/Operating and Use
Page 3: Product Features/ EVP-X12PM/15PM Panel
Page 4: EVP-X18PB Rear Panel Diagram
Page 5: EVP-X15PB and EVP-X18PB Operation
Page 6: Single EVP-X18PB with Stereo Mid/High Active System and Stereo Active Sub and Mid/High System
Page 7: Stereo Passive Mid/High Speaker with Active Sub System and EVP-X15P/18PB Block Diagram

⚠ **WARNING & SAFETY INSTRUCTIONS** ⚠

1. **READ INSTRUCTIONS** carefully before operating this product.
2. **RETAIN** these instructions.
3. **COMPLY WITH WARNINGS** - All warnings and instructions for this product should be adhered to.
4. **⚠ WATER & MOISTURE ⚠** - This Wharfedale Pro unit should not be used near liquids. It should not have liquids placed on or in close proximity as there are ⚠DANGEROUS VOLTAGES present.
5. **⚠ VENTILATION/AIR FLOW:** This Wharfedale Pro unit should not have its heat sinks obstructed from air flow. It should not be situated in a built-in installation that may hamper air flow to the heat sinks. It should not be placed near heat sources.
6. **⚠ POWER SUPPLY:** This Wharfedale Pro unit should be only connected to a power supply as stated on the unit. Power supply cables should be routed where they will not be walked on or pinched by objects placed adjacent or upon them.
7. **⚠ ELECTRIC SHOCK:** Care should be taken that the grounding of this unit is NOT defeated. Do not use this units power cable with an extension cable unless the pins can be fully inserted.
8. **⚠ RIGGING • SUSPENDING • MOUNTING**
The rigging, suspension or mounting of this speaker system can expose members of the public to serious health risks and even death. UNDER NO CIRCUMSTANCES ATTEMPT TO RIG, SUSPEND OR OTHERWISE MOUNT THIS SYSTEM 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 AND ASSISTANCE.
9. **⚠ 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 levels that can cause permanent hearing damage.
10. **SERVICING** - The user should not attempt to service this product except that mentioned in this manual.

Wharfedale Pro EVP-XP Series of Professional Sound Reinforcement Loudspeakers



Unpacking

All Wharfedale Pro products are fully checked before leaving the factory. After unpacking please inspect cabinets for any physical damage. Please retain the shipping carton if possible and internal packing material

in case the unit needs to be returned. Please check as soon as possible the unit is functioning. In the event of any damage please contact your dealer immediately so that a written claim for damages can be made.

Wharfedale Pro Limited Warranty*

Wharfedale Pro EVP-XP Series loudspeaker systems are warranted to be clear of manufacturing or materials defects for a period of one year from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Professional dealer or distributor for information.

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

Model Name	EVP-X12P	EVP-X12PM	EVP-X15P	EVP-X15PM	EVP-X215P	EVP-X15PB	EVP-X18PB
SYSTEM TYPE	12" 2-way	12" 2 way monitor	15" 2-way	15" 2-way monitor	2x15" 2 way	15" compact sub	18" compact sub
FREQ RESP +/- 3 DB	55 - 20kHz	50Hz -20kHz	45 - 20kHz	50 - 20kHz	40 - 20kHz	45 - 200Hz	40 -200Hz
FINISH MATERIAL	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet
TRIPOD STAND BOTTOM	Yes	No	Yes	No	No	No	No
TRIPOD STAND TOP	No	No	No	No	No	Yes	Yes
INPUTS:							
INPUT A	Switchable balanced mic or line level input	line level input	Switchable balanced mic or line level input	line level input	Switchable balanced mic or line level input	Line level input	Line level input
INPUT B	Line level input	NA	Line level input	NA	Line level input	Line level input	Line level input
SPEAKER LEVEL INPUT	NA	NA	NA	NA	NA	1/4" TS Phone Jack	1/4" TS Phone Jack
INPUT CONNECTORS:							
INPUT A	Combined Jack and XLR	Combined Jack and XLR	Combined Jack and XLR	Combined Jack and XLR	Combined Jack and XLR	Combined Jack and XLR	Combined Jack and XLR
INPUT B	Combined Jack		Combined Jack		Combined Jack	Combined Jack	Combined Jack
	XLR & RCA Socket	NA	XLR & RCA Socket	NA	XLR&RCA Socket	and XLR	and XLR
INPUT SENSITIVITY							
MIC	5mV	5mV	5mV	5mV	5mV	NA	NA
RCA	0.5V	0.5V	0.5V	0.5V	0.5V	NA	NA
LINE	0.775V	0.775V	0.775V	0.775V	0.775V	0.775V	0.775V
INPUT IMPEDANCE							
MIC	470 OHMS	470 OHMS	470 OHMS	470 OHMS	470 OHMS	NA	NA
LINE INPUT A	47K	47K	47K	47K	47K	10K	10K
LINE INPUT B	10kohms		10kohms		10kohms	10K	10K
LINE OUTPUT TYPE	Balanced Male XLR connector	Balanced Male XLR connector	Balanced Male XLR connector	Balanced Male XLR connector	Balanced Male XLR connector	Balanced Male XLR connector	Balanced Male XLR connector
LINE OUTPUT HIGH PASS FILTER							
MAIN EQ	HF Shelving +/-12dB@10KHZ	5 band graphic EQ	HF Shelving +/-12dB@10KHZ	5 band graphic EQ	HF Shelving +/-12dB@10KHZ	NA	NA
	LF Shelving +/-12dB @80Hz		LF Shelving +/-12dB @ 80HZ		LF Shelving +/-12dB @80HZ		
ACTIVE CROSSOVER	NA	NA	NA	NA	NA	LPF: 150HZ, 24dB	LPF: 150Hz, 24dB
PHASE SWITCH	NA	NA	NA	NA	NA	0 or 180°	0 or 180°
POWER SECTION							
AMPLIFIER POWER:							
CONTINUOUS	300W	300W	400W	400W	400W	400W	400W
PEAK	500W	500W	600W	600W	600W	600W	600W
EXTENSION SPEAKER OUTPUT	NA	1	NA	1	NA	NA	NA
PROTECTION TYPE	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC
POWER ON INDICATOR	GREEN LED	GREEN LED	GREEN LED	GREEN LED	GREEN LED	GREEN LED	GREEN LED
SYSTEM DYNAMIC AGC	ORANGE LED	ORANGE LED	ORANGE LED	ORANGE LED	ORANGE LED	ORANGE LED	ORANGE LED
ENCLOSURE							
DIMENSION MM (HXWXD)	590X430X370	560x424x441	675X460X450	645X445X473.5	1058X502X467	591X460X510	610X522X610
WEIGHT (NET) KG	22.9	22.5kg	29.5	27.4	46.8	35.1	49.2
WEIGHT (GROSS) KG	25.6	25.1kg	33.6	30.5	51.6	38.1	52.3

Operating/Use

1. The EVP-X12P,X15P,X215P feature 2 x combined jack and XLR inputs.The two stereo inputs are mixed down to mono enabling the connection of stereo output products.
2. Connect the provided power cable to the IEC mains connector on rear of cabinet.
- 3 Connect the signal cable (balanced or un balanced, see table and description) from audio mixer or processor securely to your EVP-XP unit (the internal amplifier should be **off, power down mode**). Where possible use quality connectors. Only use screened audio cable for the signal input from the audio mixer or processor. If possible use balanced line signal leads for optimum quality (see description and table of balanced line operation).
4. If using XLR CONNECTORS, insert the XLR until locked in. If using a jack plug insert until secure.
5. Power up audio mixer or processor ensuring connections are made.
6. Power up EVP-XP internal amplifier with levels on zero. Confirm speakers are operating.
7. The EVP-XP all feature a balanced Male XLR connector on the line output.
8. The EVP-X12PM,X15PM has one speaker extension output allowing the addition of another speaker.

Product Features of the EVP-XP Series:

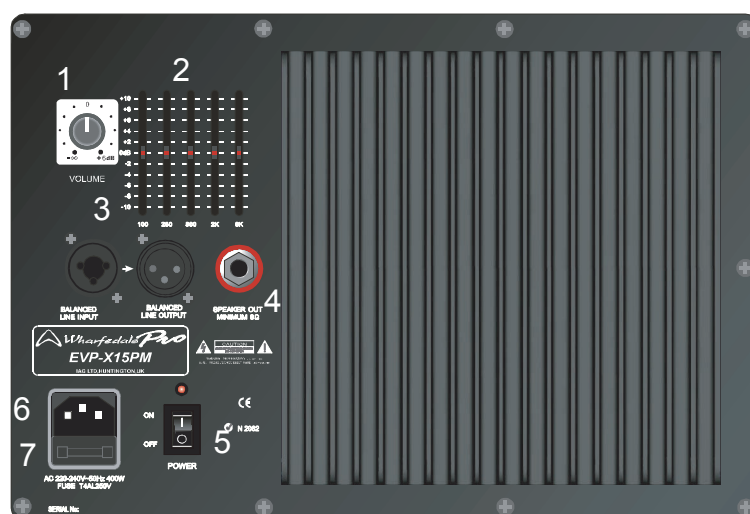
- 300W RMS/500W Peak amplifier (EVP-X12P, EVP-X12PM)
- 400W RMS/600W Peak amplifier (EVP-X15P, 15PM, 215P)
- Thermal, DC fault and short circuit protection
- Hi/Low EQ control in the master section
- 5 Band Graphic EQ (EVP-X12PM/15PM only)
- External speaker output connector (EVP-X12PM/15PM only)
- Integral tripod stand adaptor (except monitors)
- Balanced line output
- Integral, preset limiter prevents clipping distortion
- Combined Jack and XLR balanced input connectors
- Power on and system AGC protect LED indicators

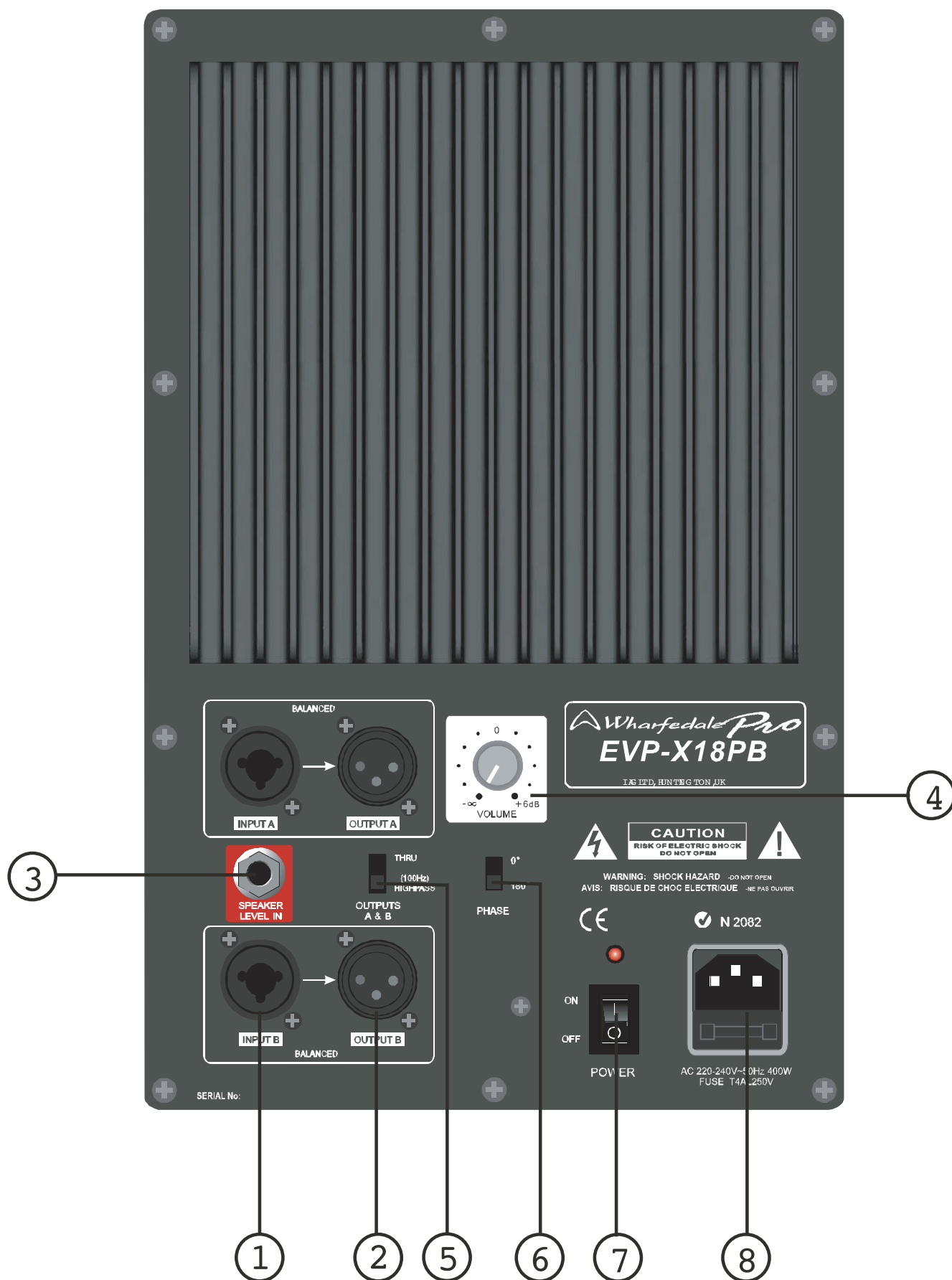
EVPX-15PB and EVPX-18PB Active Subwoofers

- Stereo line input and speaker level input available for the powered subwoofer
 - Peak limiter that protects the amplifier and speaker from clipping.
 - 0°, 180° Phase switch
 - Built-in 600 watt (peak), 400 watt (continuous) amplifier
 - Thermal, DC fault and short circuit protection
 - Power on and system AGC protect LED indicators
 - Integral, preset limiter prevents clipping and distortion. Line-level stereo inputs are summed before being sent to the subwoofer's internal amplifier. This feature allows the subwoofer to operate in stereo systems using a single subwoofer
- A pair of an integral 150Hz, 24dB/Oct crossovers to send a high-pass, balanced, line-level, stereo signal to a pair of powered satellite full-range speakers or an external amplifier for passive satellite speakers.
- A speaker-level, 1/4" TS phone jack is provided. This input is useful in applications, such as those employing powered mixers, in which it is more practical to bring a full-range, speaker-level signal to the subwoofer amplifier
- The EVP-X15/18PB is a 15/18 inch direct-radiating powered subwoofer. A built-in 600 watt (peak) amplifier accepts stereo or mono line level inputs via balanced, XLR connectors as well as single channel speaker level input via a 1/4 inch phone jack. Integral signal processing includes a stereo crossover and limiting for the internal amplifier. A pair of XLR out-put connectors may be used to pass the input signals to another system or to send a high-pass, line-level stereo signal to a pair of powered, full-range speakers.

EVP-X12PM/15PM Panel & Description:

1. Level control: The Level control adjusts the overall volume of the amplified signal.
 2. 5 band EQ: Use this Five-Band Graphic EQ to cut or boost your signal up to 12dB at designed frequency centers. This is useful for reducing low frequency rumble or feedback that often occurs on stage.
 3. Parallel Line input and output: These two jacks are provided to supply a signal input to the EVP-X15PM and to allow for daisy chaining the signal to possibly another EVP-X15PM or amplifier combination.
 4. Speaker out: The Speaker Out is a post EQ, powered output designed for speakers with a minimum impedance of 8 ohms speaker. This output should be connected only to non-powered monitor speakers. The EVP-X15M is the perfect extension monitor to use in this application.
 5. Power switch: use this switch to turn the unit on and off.
 6. AC Input connector: The line cord (included) which provides AC power to the unit. Connect the line cord to this connector and to a properly grounded AC supply.
- Damage to the equipment may occur if an improper line voltage is used.**
- NEVER REMOVE OR CUT THE GROUND PIN OF THE LINE CORD PLUG**
7. Fuse: If the fuse should fail, it must be replaced with the same type and value in order to avoid damage to the equipment and prevent voiding the warranty.





EVP-X15/18PB:

1. INPUT A & INPUT B CONNECTORS-

These electronically balanced, XLR and 1/4 " phone connectors accept input signal from line-level sources. INPUT A and INPUT B are combined before being routed to the EVP-X15/18PB Low Pass Filter and internal amplifier. INPUT A and INPUT B are also routed to the OUTPUT A and OUTPUT B connectors.

2. OUTPUT A & OUTPUT B CONNECTORS-

OUTPUT A & B provide either a loop-thru or highpassed, line level output of the signal from the INPUT A and INPUT B connectors respectively. These connectors work with the OUTPUT A & B switch.

3. SPEAKER LEVEL INPUT-

This 1/4" phone jack allows connection of the speaker level output of an amplifier or powered mixer to the EVP-X15/18PB internal amplifier.

4. VOLUME-

This control enables you to adjust the sound volume level. This does not affect OUTPUT A & B

5. OUTPUT A&B SWITCH-

This switch affects the signal sent to the OUTPUT A & B connectors. THRU: The INPUT A signal is passed directly to the OUTPUT A connector and INPUT B signal is passed directly to the OUTPUT B connector.

High Pass Filter (HPF): The INPUT A signal is first passed through a 100Hz, 24dB High Pass Filter before being sent to the OUTPUT A connector whilst the INPUT B signal is first passed through a 100Hz, 24dB High Pass Filter before being sent to the OUTPUT B connector

6. PHASE SWITCH-

This switch enables you to select a phase. This switch will usually be set to NORMAL(0). The REVERSE (180°) setting may improve low-range sounds, depending on the type and location of the entire speaker system. Try both settings and select the one with better sounding low-range output.

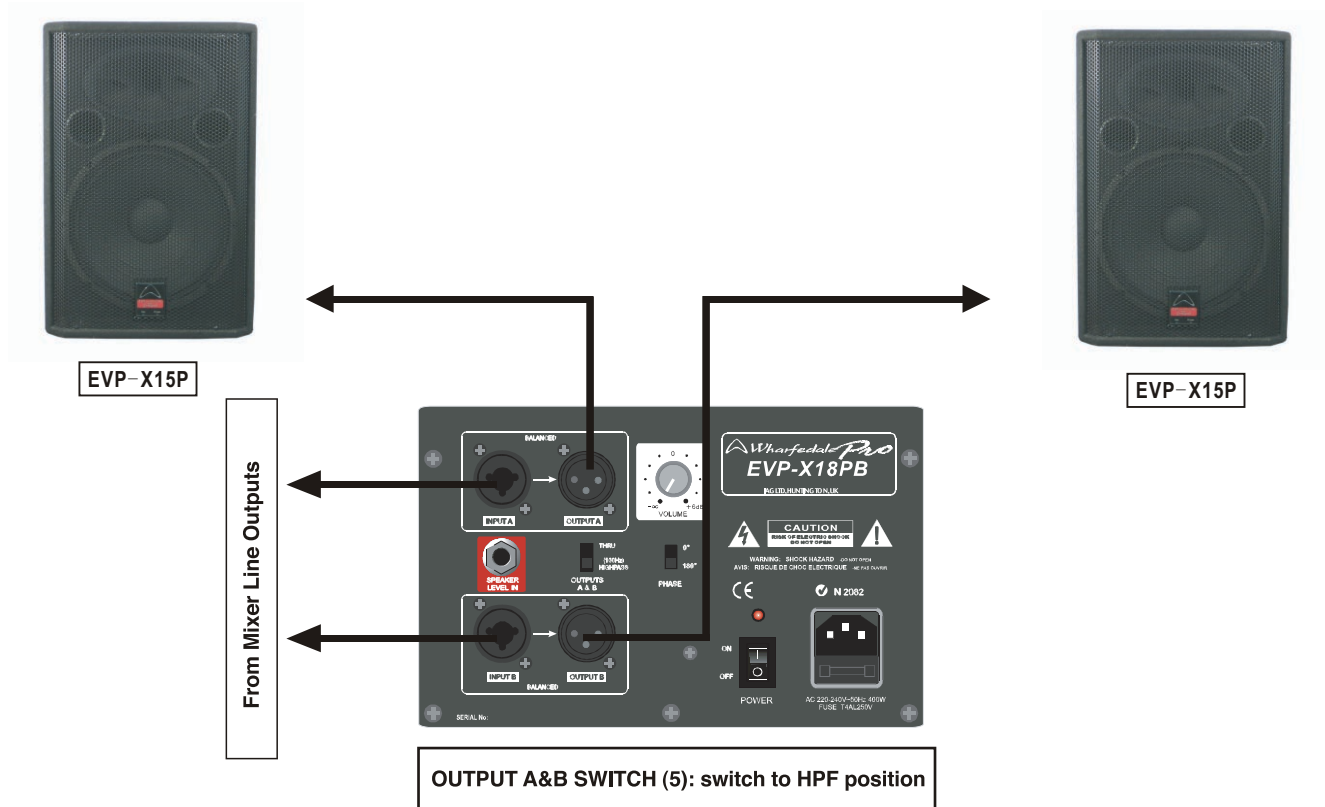
7. POWER switch-

This switch turns the AC power ON and OFF.

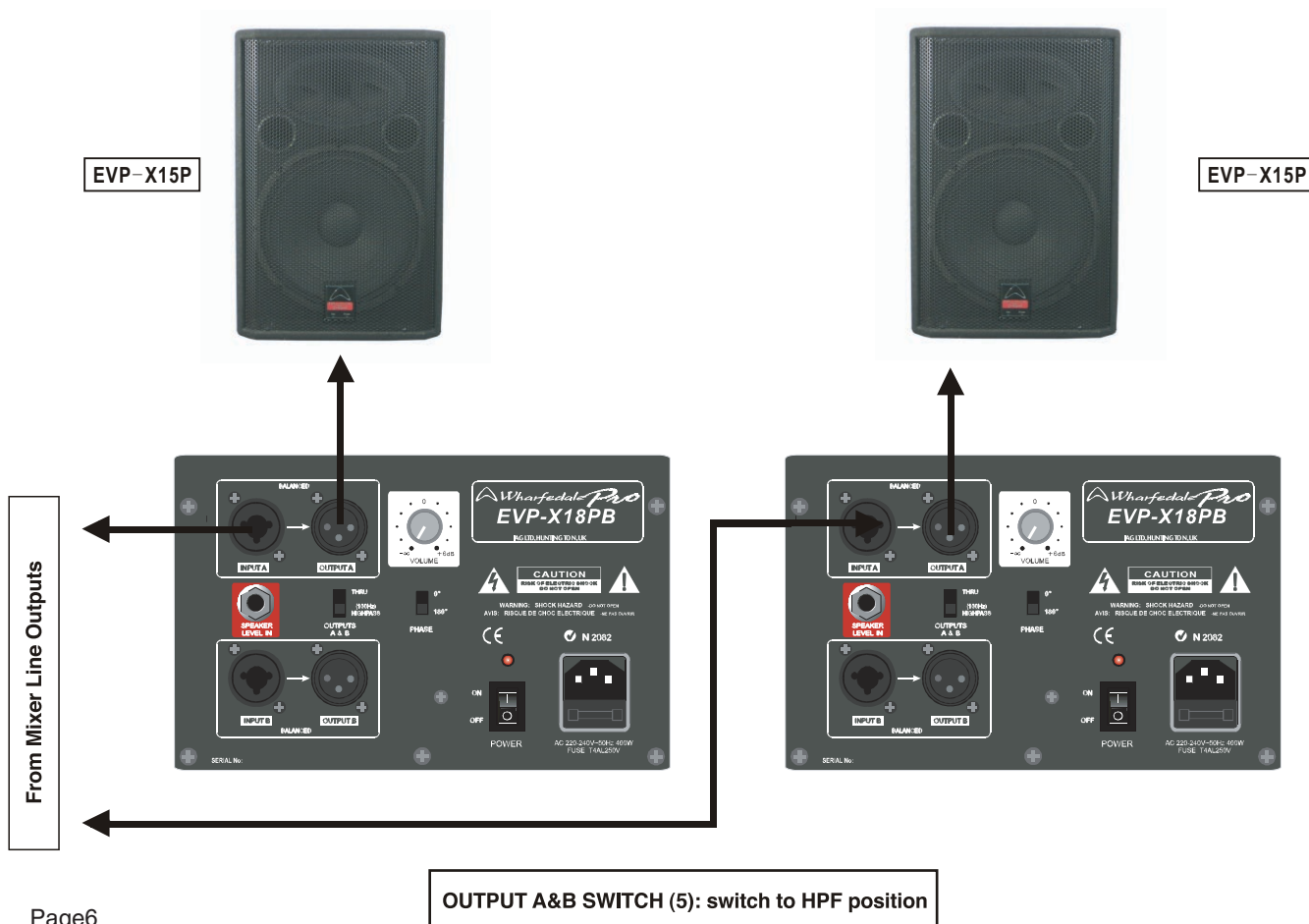
8. AC input-

The power cable that is included with the unit should be inserted here.

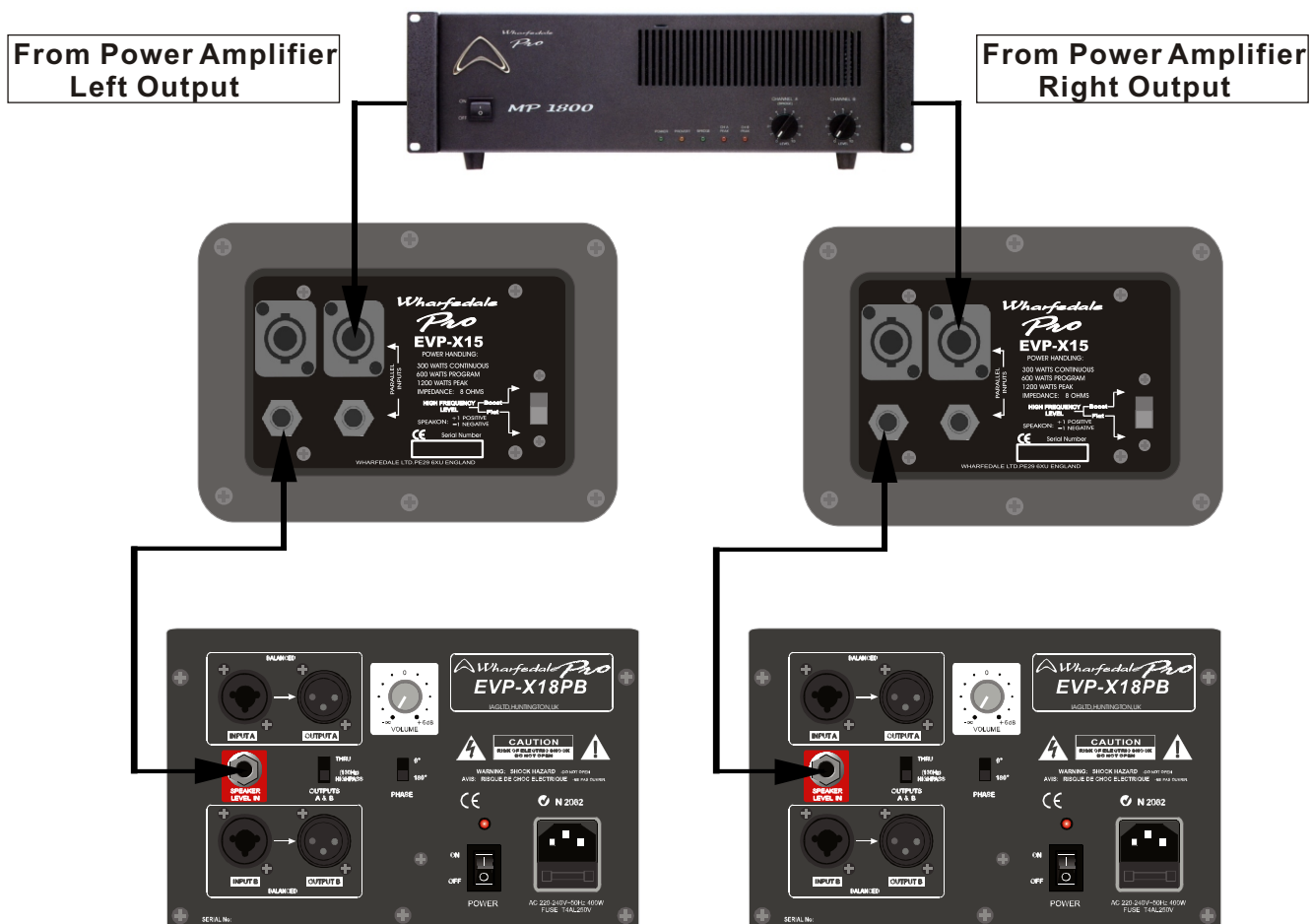
SINGLE EVP-X18PB WITH STEREO MID/HIGH ACTIVE SYSTEM



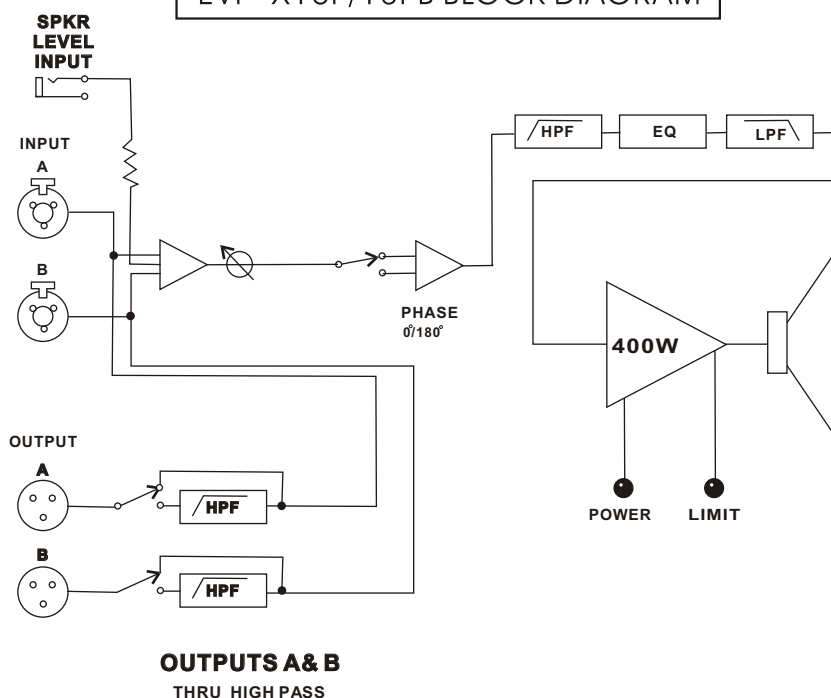
STEREO ACTIVE SUB AND MID/HIGH SYSTEM



STEREO PASSIVE MID/HIGH SPEAKER WITH ACTIVE SUB SYSTEM



EVP -X15P/18PB BLOCK DIAGRAM





Page8

Wharfedale International Limited, IAG House, Sovereign Court, Ermine Business Park, Huntingdon, Cambs, PE29 6XU England
WHARFEDALE website : www.wharfedalepro.com

IAG
International Audio Group

IAG Professional reserve the right to alter or improve specifications without notice. All rights reserved © 2004 Wharfedale Pro. A member of the International Audio Group