

The EVP-XP Series is the powered version of the new EVP-X Series.

With increased power handling and improved features, the EVP-XP offers unprecedented value for money.

EVP-XP Powered

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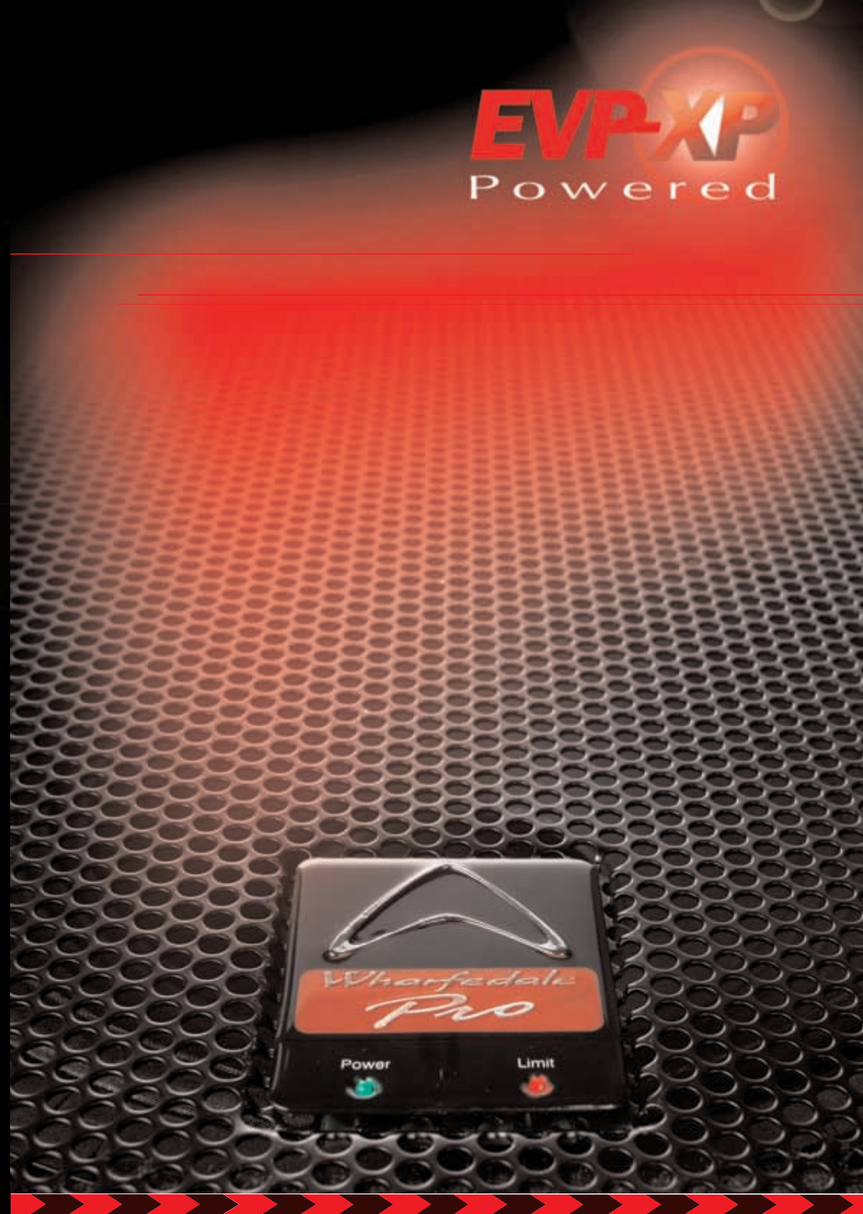

The Wharfedale Professional EVP-XP series loudspeaker systems are the latest evolution of our highly successful EVP-S family.

Built around the development of an exceptional new Elliptical Waveguide Horn coupled with a ferrofluid cooled 44mm titanium compression driver, the high frequency performance and system reliability of this series is unprecedented in this product class. High output capability and low distortion with excellent high frequency extension characterize these new drivers. When comparing sound quality and specifications to the competition Wharfedale Pro built and designed components, the real compression driver and our sophisticated crossover can immediately be heard and appreciated.

In comparison to a conventional rectangular horn, the Elliptical Wave Guide offers superior control over HF coverage, with reduced distortion, greater output and smoother frequency response.

The elliptical shape means that there are no corners or parallel surfaces to distort, diffract or reflect the sound – therefore the output is smoother, cleaner and more consistent. Again, due to the elliptical shape, mid to high frequencies are diffused more efficiently. When coupled with a true compression driver, the result is brilliant, natural HF reproduction.

Product Features

- 300W RMS/500W Peak amplifier (EVP-X12P, EVPX12PM)
- 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



EVP-X15PB/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.



Subwoofers

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. These line level inputs are summed before being sent to the internal amplifier allowing the subwoofer to operate in stereo systems using a single subwoofer. The subwoofer features a pair of integral 100Hz, 24dB/Octave 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" jack is also provided for use 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.

Specifications

	Models						
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" 2way	15" 2-way monitor	2x15" 2 way	15"compact sub	18"compact sub
FREQ RESP +/- 3 DB	55 - 20kHz	50Hz -20kHz	40 - 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 1/4" TS Phone Jack	Line level input 1/4" TS Phone Jack
SPEAKER LEVEL INPUT	NA	NA	NA	NA	NA		
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 XLR & RCA Socket	NA	Combined Jack XLR & RCA Socket	NA	Combined Jack XLR & RCA Socket	Combined Jack and XLR	Combined Jack and XLR
INPUT SENSITIVITY							
MIC	5mV	5mV	5mV	5mV	5mV	NA	NA
RCA LINE	0.5V 0.775V	0.5V 0.775V	0.5V 0.775V	0.5V 0.775V	0.5V 0.775V	NA 0.775V	NA 0.775V
INPUT IMPEDANCE							
MIC LINE INPUT A	470 OHMS 47K	470 OHMS 47K	470 OHMS 47K	470 OHMS 47K	470 OHMS 47K	NA 10K	NA 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@17KHZ LF Shelving +/-12dB @80Hz	5 band graphic EQ	HF Shelving +/-12dB@13KHZ LF Shelving +/-12dB @ 80HZ	5 band graphic EQ	HF Shelving +/-12dB@17KHZ LF Shelving +/-12dB @80Hz	NA	NA
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)	0000X0000X0000	0000X0000X0000	0000X0000X0000	0000X0000X0000	0000X0000X0000	0000X0000X0000	0000X0000X0000
WEIGHT (NET) KG	23.0	22.5kg	29.5	27.4	46.0	35.1	49.2
WEIGHT (GROSS) KG	25.0	25.1kg	31.0	30.5	51.0	38.1	52.2

5 Band Graphic Equaliser

The EVP-X12PM and the EVP-X15PM features a 5 band graphic equaliser accessible on the side of the unit. This allows the user more control over feedback and unwanted noise when monitoring.

Speaker Out

The EVP-X12PM and the EVP-X15PM also have the added benefit of a 'Speaker Out' output which allows the user to add on or to 'daisy chain a passive EVP-X12M/15M into the system directly from the EVP-X15M.

Power amplifier functions

The power amplifier section of the EVP-XP series uses Class A/B topology and is designed to integrate seamlessly, giving the optimum smooth performance accross the range. The EVP-X12\12PM contains a 300W continuous/400W peak amplifier whilst the other models in the range contain the higher rated 400W continuous/600W peak amplifier. Dynamic/AGC protection circuitry provides extreme protection at both the driver and the amplifier stage so the EVP-XP can be played at maximum levels over long periods without fear of system failure. The Green LED on the front of the EVP-XP illuminates when the AGC is activated, similar to the orange LED on the front of the amplifier.

System Protection

The ProTech protection system in the EVP-XP progressively converts excess power into heat and triggers a reduction in the power to the HF Driver. When the overload condition is removed, the system returns seamlessly to normal operation.

Sophisticated Crossover Design

Enhancing smooth frequency and power response, the EVP-XP features a sophisticated crossover design that uses high voltage capacitors and inductors with massive cores and heavy gauge wire, enabling the crossover network to handle high power without saturating.

Built to last

The EVP-XP cabinets are constructed using high grade, low resonance composite wood and covered with a road tough industrial carpet. A heavy duty full length steel grille protects the internal components from damage.

Versatility

Full range cabinets in the EVP-XP Series are trapezoidal in shape and therefore easily arrayable. They also feature an alloy stand adaptor in the base of the unit for mounting on tripods or for use in combination with one of the complimentary sub bass systems.

Ease of use

The EVP-XP have the added benefit of signal present and HF protect LED indicators on the front of the loudspeaker - green to show signal present and orange to show the HF bulb is active, making it easy to monitor the system levels.


EVP-X12P


EVP-X12PM


EVP-X15PM


EVP-X15B


EVP-X15P


EVP-X215