

# EVP-XP

Powered







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.

**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.**

## **Product Features**

- 300W RMS/500W Peak amplifier (EVP-X12P, EVPX12PM)
- 400W RMS/600W Peak amplifier (EVP-X15P,15PM,215P)
- Built in 2 channel mixer with line and mic inputs
- 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.

## 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 across 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-X15B



EVP-X15P



EVP-X215



## Specifications

Name	Models						
	EVP-X12P	EVP-X12PM	EVP-X15P	EVP-X15PM	EVP-X215P	EVP-X15PB	EVP-X18PB
<b>SYSTEM TYPE</b>	12" 2-way	12" 2 way monitor	15" 2way	15" 2-way monitor	2x15" 2 way	15"compact sub	18"compact sub
<b>FREQ RESP +/- 3 DB</b>	55 - 20kHz	50Hz -20kHz	45 - 20kHz	50 - 20kHz	40 - 20kHz	45 - 200Hz	40 -200Hz
<b>FINISH MATERIAL</b>	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet
<b>TRIPOD STAND BOTTOM</b>	Yes	No	Yes	No	No	No	No
<b>TRIPOD STAND TOP</b>	No	No	No	No	No	Yes	Yes
<b>INPUTS:</b>							
<b>INPUT A</b>	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
<b>INPUT B</b>	Line level input	NA	Line level input	NA	Line level input	Line level input	Line level input
<b>SPEAKER LEVEL INPUT</b>	NA	NA	NA	NA	NA	1/4" TS Phone Jack	1/4" TS Phone Jack
<b>INPUT CONNECTORS:</b>							
<b>INPUT A</b>	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
<b>INPUT B</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
<b>INPUT SENSITIVITY</b>							
<b>MIC</b>	5mV	5mV	5mV	5mV	5mV	NA	NA
<b>RCA</b>	0.5V	0.5V	0.5V	0.5V	0.5V	NA	NA
<b>LINE</b>	0.775V	0.775V	0.775V	0.775V	0.775V	0.775V	0.775V
<b>INPUT IMPEDANCE</b>							
<b>MIC</b>	470 OHMS	470 OHMS	470 OHMS	470 OHMS	470 OHMS	NA	NA
<b>LINE INPUT A</b>	47K	47K	47K	47K	47K	10K	10K
<b>LINE INPUT B</b>	10kohms		10kohms		10kohms	10K	10K
<b>LINE OUTPUT TYPE</b>	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
<b>LINE OUTPUT HIGH PASS FILTER</b>							
<b>MAIN EQ</b>	HF Shelving +/-12dB@10KHZ LF Shelving +/-12dB @80Hz	5 band graphic EQ	HF Shelving +/-12dB@10KHZ LF Shelving +/-12dB @ 80HZ	5 band graphic EQ	HF Shelving +/-12dB@10KHZ LF Shelving +/-12dB @80HZ	NA	NA
<b>ACTIVE CROSSOVER</b>	NA	NA	NA	NA	NA	LPF: 150HZ, 24dB	LPF: 150HZ, 24dB
<b>PHASE SWITCH</b>	NA	NA	NA	NA	NA	0 or 180°	0 or 180°
<b>POWER SECTION</b>							
<b>AMPLIFIER POWER: CONTINUOUS</b>	300W	300W	400W	400W	400W	400W	400W
<b>PEAK</b>	500W	500W	600W	600W	600W	600W	600W
<b>EXTENSION SPEAKER OUTPUT</b>	NA	1	NA	1	NA	NA	NA
<b>PROTECTION TYPE</b>	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC
<b>POWER ON INDICATOR</b>	Green LED	Green LED	Green LED	Green LED	Green LED	Green LED	Green LED
<b>SYSTEM DYNAMIC AGC</b>	Orange LED	Orange LED	Orange LED	Orange LED	Orange LED	Orange LED	Orange LED
<b>ENCLOSURE</b>							
<b>DIMENSION MM (HXWXD)</b>	590X430X370	560X424X441	675X460X450	645X445X473.5	1058X502X467	591X460X510	610X522X610
<b>WEIGHT (NET) KG</b>	22.9	22.5kg	29.5	27.4	46.8	35.1	49.2
<b>WEIGHT (GROSS) KG</b>	25.6	25.1kg	33.6	30.5	51.6	38.1	52.3



**EVP-X12P**



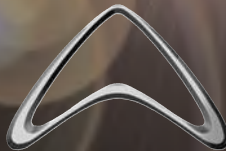
**EVP-X12PM**



**EVP-X15PM**



**EVP-XP**  
Powered



*Wharfedale*  
**Pro**

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