

# EVP-XP

## series



## 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. 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.

### FEATURES

- 300W RMS / 500W Peak amplifier (EVP-X12P, 12PM)
- 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**

**EVP-X18PB**

**EVP-X215P**

Model Name	EVP-X12P	EVP-X15P	EVP-X12PM	EVP-X15PM	EVP-X215P	EVP-X12PB	EVP-X18PB
<b>LINE OUTPUT HIGH PASS FILTER</b>							
MAIN EQ	HF Shelving +/-12dB@10KHz LF Shelving +/-12dB @80Hz	HF Shelving +/-12dB@10KHz LF Shelving +/-12dB @80Hz	5 band graphic EQ	5 band graphic EQ	HF Shelving +/-12dB@10kHz 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°
<b>POWER SECTION</b>							
<b>AMPLIFIER POWER:</b>							
CONTINUOUS	300W	400W	300W	400W	400W	400W	400W
PEAK	500W	600W	500W	600W	600W	600W	600W
EXTENSION SPEAKER OUTPUT	NA	NA	1	1	NA	NA	NA
PROTECTION TYPE	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC	Dynamic/AGC
POWER ONINDICATOR	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
<b>ENCLOSURE</b>							
DIMENSION MM (HXWXD)	590X430X370	675X460X450	560X424X441	675X445X473.5	1058X502X467	591X460X510	610X522X610
WEIGHT (NET) KG	22.9	29.5	22.5	27.4	46.8	35.1	49.2
WEIGHT (GROSS) KG	25.6	33.6	25.1	30.5	51.6	38.1	52.3



### **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 system.

### **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.

