



INTRODUCTION

Since 1978, EXPOSURE ELECTRONICS, based in Portslade on the south coast of England, has been designing and building amplifiers - and nothing but amplifiers! This singleminded dedication makes us unique, and those years of expertise and achievement mean that EXPOSURE now can offer a wider range, from one of the very best integrated amplifiers in the world right up to a full-scale 'active' system. At EXPOSURE, we believe that the cleanest, most direct passing of the source signal to the loudspeaker is the ultimate goal of a high fidelity amplifier, and to this end we aim for dual mono operation. Put simply, this means that the signal passes from source to loudspeaker with an absolute minimum of interference, retaining its original clarity and purity. Our product range is our message.

EXPOSURE PRE-AMPLIFIERS

As pre-amplifier performance is a critical part of the amplification chain, unnecessary functions and features have been eliminated from EXPOSURE pre-amplifiers. By avoiding these degradations, EXPOSURE pre-amplifiers set new standards for others to follow.

THE SEVEN (VII)

The EXPOSURE Seven pre-amplifier offers exceptional sound quality and versatility at an affordable price.

The 'phono' input is selectable for moving magnet and moving coil cartridges by a switch on the rear panel and uses a two-stage active/passive RIAA equalisation circuit for great accuracy and headroom. There are no plug-in boards as these can vibrate in use and result in improper or dirty contact after a period of time.

Although internally regulated, the SEVEN pre-amplifier requires an external power supply. This can be taken from the Standard Eight power amplifier, or, for greatly enhanced performance, from one of the three EXPOSURE stand alone power supplies (the Six, Twelve and Professional Nine). Both phono inputs and the main output use the same custom made gold-plated sockets found on EXPOSURE power amplifiers. These provide the correct electro-mechanical link when connected by the phono-to-phono leads supplied by EXPOSURE. The EXPOSURE-designed plug and socket arrangement is also unique in that it 'makes ground' before making the signal. This means that if the leads are disconnected from the pre-amp, there is no resultant damage to the loudspeakers. (Other brands of phono lead can create a frequency imbalance and cause a rise in distortion, adversely affecting the system's performance.)

On the subject of performance, 'What HiFi?' said the Seven/Eight combination 'showed real control of detail and produced a tangible stereo image', while 'Hi-Fi Review', found the Six/Seven/Super Eight, 'a minor revelation'.

THE ELEVEN (XI)

The ELEVEN offers a total of five inputs and also has a 'Record' function, a first for EXPOSURE, providing the option of listening to one source while recording another. The phono stage is switchable between moving coil and moving magnet, with gold plated input sockets.

The moving coil stage is improved over that found in the Seven, and the moving magnet input's layout has been modified, a double-sided circuit board minimises potential interference through the signal path. All input and output sockets are mounted on separate printed circuit boards, ensuring excellent and consistent grounding. The ELEVEN must be used with a separate stand alone power supply. Although a Six power supply will suffice, we believe that a Twelve power supply- or better still a Nine - ought to be used if the ELEVEN pre-amplifier is to show its true mettle. Ian Rankin of 'Hi-Fi Review' tested the ELEVEN in conjunction with a Twelve power supply and Super Eight power amplifier. His conclusion? -'You owe it to yourself to listen to a top-flight amplifier system, and the ELEVEN/Twelve/Super Eight is just that.'

THE FOURTEEN (XIV)

The FOURTEEN is EXPOSURE'S top line pre-amplifier, marrying meticulous design criteria to stunning sound quality. Offering the same Dual Mono construction as can be found in the Eleven it has in addition separate on board regulated supplies for each of the phono inputs as well as the two output sections. Each phono input has it's own dedicated RIAA stage, whilst the two tape outputs are completely independent of each other thus allowing full tape dubbing in either direction without loss of quality.

The FOURTEEN must be used with an EXPOSURE Nine professional power supply as it requires all four of the independent power supplies offered by this model for full operation. Alternatively two Twelve type power supplies may be used, however this will impair the overall performance when compared to that of the Nine.

EXPOSURE POWER AMPLIFIERS

EXPOSURE believes that a power amplifier is only as good as its power supply. To this end, we have produced a series of very high quality mains transformers, rectifiers and power supply capacitors to meet the needs of the most demanding hi-fi systems (and, more importantly, to deliver a truthful rendition of the information presented to the amplifier). EXPOSURE amplifiers are fully complementary 'Class A/B' designs - in our opinion superior to 'quasi - complimentary' or so called 1 class A' designs - they offer excellent low frequency distortion characteristics with a good damping and excellent reliability. Bandwidth jitters are used to remove unwanted signals, while circuit layout minimises the length of the signal path (maximising efficiency). Special solder is used on the boards, and all boards are cleaned of flux to ensure long-term reliability. Unlike most manufacturers EXPOSURE measures every board for distortion and output before final assembly, allowing accurate pair matching to within one per cent tolerances. The gold plated terminals and unique plug-in socket design used on the pre-amplifiers provide the correct electromechanical link when used with the phono-phono lead supplied. All components have been over specified - a costly but extremely effective method Of ensuring long term reliability coupled with consistent high performance.

THE STANDARD EIGHT (VIII)

This is the first power amplifier in the range, but still offers the same circuit topology found in the top-of-the-range Four Dual Regulated.

The STANDARD EIGHT utilises a power supply based on a 250VA custom made mains transformer. This is split into two separate windings, one of 170VA which supplies the power amp, and one of 80VA for the pre-amplifier, allowing it to be used with a Seven pre-amplifier without an external power supply unit. The Seven/Eight makes for an inexpensive entry into EXPOSURE'S extensive range of pre/power amplifiers. It is also a combination which will beat all price competitors hands down, yet may be easily upgraded by addition of an EXPOSURE Six preamplifier power supply.

THE SUPER EIGHT (VIII)

The SUPER EIGHT differs from the Standard Eight in several respects. The power supply has separate rectification and smoothing, improving channel separation . on and dynamic capabilities. The 250VA mains transformer is custom built, with separate windings for each channel but makes no provision to supply a pre-amplifier. This increases overall performance and sound quality. These changes give an increase in overall output to 55 watts into 8 ohms with transient performance in excess of 225VA, compared to the Standard Eight's 50 watts/150VA

THE MONO EIGHT (VIII) REGULATED

These are true mono power amplifiers each of which has a custom built 250VA mains transformer. In addition to this the MONO EIGHT REGULATED utilises regulator boards similar to those found in our top of the range Four Dual Regulated.

This enables the amplifier to offer a much improved performance over the Super Eight, with better separation, clarity and detail. Although it has less overall output than the Super Eight it's ability to drive a loudspeaker is greatly enhanced by the regulated power supply.

THE FOUR DUAL REGULATED (IV)

EXPOSURE'S flagship power amplifier provides total dual mono operation, which in our opinion is the ultimate goal. It utilises two totally separate 300VA custom made transformers, one for each channel.

It is also a fully regulated design. In addition to the individual left and right circuit boards there are a further two regulator boards ensure consistent performance of the amplifier irrespective of mains voltage fluctuations.

The FOUR DUAL REGULATED has a nominal output of 80 watts into 8 ohms, and a massive transient performance of some 600VA. It can be used as part of a top-level 'Active' system for which EXPOSURE produce an 'Active' filter system (the EXPOSURE Five). Listening to an EXPOSURE 'Active' system, Chris Frankland of Hi-Fi Review said "The EXPOSURE 'Active' system more than lived up to my expectations..... No passive system at any price could match the performance that this system has just given."

The EXPOSURE FOUR DUAL REGULATED, used in conjunction with the FOURTEEN and NINE, represents the very pinnacle of high fidelity amplification for musical reproduction.

EXPOSURE POWER SUPPLIES

The power of three: the three Pre-amp Power Supply Units in the EXPOSURE range each offer a combination of the finest possible components at the price and the highest standards of performance through design and construction. The purpose of a power supply is to provide power for a preamplifier. If this task is carried out within the casing of the pre-amp itself, or as part of a power amplifier's duties, a drop in potential and realised sound is inevitable. By isolating the power supply, EXPOSURE brings sonic perfection closer.

THE SIX (VI)

EXPOSURE entry-level power supply can be used with either the Seven or Eleven pre-amp, but is intended mainly to provide a significant and cost effective upgrade when added to a Seven/Eight combination. Protected from short circuit and thermal overload, the SIX provides a regulated +/-24 V DC supply. Its high current capability is derived from a custom designed and manufactured 80VA mains transformer, along with two large reservoir capacitors (again, of our own design). For independent channel operation, two SIX power supplies can be used, although it is better and more cost effective to use the EXPOSURE Twelve pre-amplifier power supply.

THE TWELVE (XII)

The TWELVE power supply offers a significant improvement in sound quality over the Six, and should be considered for use with the Eleven pre-amplifier rather than the Seven. (For use with the Seven, a minor dealer modification will be necessary.)

The TWELVE Power supply offers the same regulator boards and capacitors as those in the top of the range EXPOSURE Nine Professional Monitor Supply, but shares a common transformer for both channels in the interest of economy. However, this transformer, has separate windings, for independent channel operation - the ultimate goal of an amplification system.

The TWELVE power supply uses a thoroughly screened 250VA transformer to minimise any potential hum radiation. The physical width is the same as the Super Eight power amplifier and the Eleven pre-amplifier, providing a close family resemblance and aesthetic completeness.

THE NINE (IX)

For many systems, the Twelve will be more than sufficient. But for those who demand the very best, EXPOSURE offers the NINE Professional Monitor Supply. This superb unit provides four separately regulated independent +/-24V DC supplies, supporting fully independent stereo operation of the Seven or Eleven pre-amplifiers. (Again, if using the Seven pre-amplifier, a simple dealer modification will be required.) EXPOSURE believes that the NINE will be heard at its very best when used with the Eleven pre-amplifier.

The astonishing performance of the NINE stems from the two custom designed and built 325VA mains transformers, one per channel, each of which in turn supports two discrete regulated power supplies. Protected from short circuit and thermal overload, the NINE Professional Monitor Supply represents the achievement of audio excellence, and is the finest power supply EXPOSURE has produced to date.

EXPOSURE LOUDSPEAKER CABLE

EXPOSURE loudspeaker cable is designed as part of the amplifier. The use of other, inferior makes of cable will degrade performance and may invalidate your guarantee. EXPOSURE cable is constructed from high temperature PVC sleeving which does not 'react' with the copper content of the cable itself.

The cable should be correctly terminated with standard 4mm plugs, leaving none of the copper strands open to the air, as this will increase the risk of oxidation and so impair performance. Consult your dealer if unsure.

SPECIFICATIONS						
PRE-AMPLIFIERS						
	EXPOSURE SEVEN		EXPOSURE ELEVEN		EXPOSURE FOURTEEN	
	Loading	Sensitivity	Loading	Sensitivity	Loading	Sensitivity
Moving coil input	470 ohms/ 6800pf	0.60 mV	470 ohms/ 6800pf	0.60 mV	470 ohms/ 6800pf	0.60 mV
Moving Magnet Input	47 k ohms/ 470 pf	3.00 mV	47 k ohms/ 470 pf	3.00 mV	47 k ohms/ 470 pf	3.00 mV
Tuner/Tape Input	10 k ohms	150.00 mV	10 k ohms	150.00 mV	10 k ohms	150.00 mV
Tape Output Source Imp	600 ohms	10 V max	600 ohms	10 V max	600 ohms	10 V max
Main Output Source Imp	3 ohms	10 V max	3 ohms	10 V max	3 ohms	10 V max
Width	260 mm		360 mm		480 mm	
Height	80 mm		80 mm		80 mm	
Depth	300 mm		300 mm		300 mm	
Boxed Weight	3 kg		5 kg		10 kg	
POWER SUPPLIES						
	EXPOSURE SIX	EXPOSURE TWELVE	EXPOSURE NINE			
Width	170 mm	360 mm	480 mm			
Height	80 mm	90 mm	125 mm			
Depth	300 mm	300 mm	300 mm			
Boxed Weight	3.5 kg	8 kg	20 kg			
POWER AMPLIFIERS						
	STANDARD EIGHT	SUPER EIGHT	MONO EIGHT	FOUR DUAL REGULATED		
Power Output	50 watts	55 watts	40 watts	80 watts		
Transient Power (Total)	150 VA	225 VA	450 VA	600 VA		
Input Impedance	100 k ohms	100 k ohms	100 k ohms	100 k ohms		
Width	360 mm	360 mm	360 mm	480 mm		
Height	90 mm	90 mm	90 mm	125 mm		
Depth	300 mm	300 mm	300 mm	345 mm		
Boxed Weight	8 kg	8 kg	8 kg (each)	20 kg		