



# 4642

## Cinema Subwoofer System

Cinema Series

### Key Features

- ▶ 1600 Watts Continuous Pink Noise, 3200 Watts Continuous Program Power Handling
- ▶ Usable response to 22 Hz (-10 dB, no EQ), flat to 22 Hz (-3 dB) with External EQ
- ▶ P180/2241 uniquely cooled driver

High Sensitivity  
 Minimal Power Compression  
 Extremely low second & third Harmonic Distortion  
 Symmetric field magnet structure



The P.audio Model 4642 is a high quality subwoofer system, featuring an advanced technology 460 mm (18 in), low frequency transducers mounted in a direct radiator, bass-reflex enclosure for smooth response to the lowest audible frequencies. The 4642 is ideal for low-frequency augmentation of either analog or digital soundtracks in motion picture theaters and for general sound reinforcement applications. Transducer: The P180/2241 transducer utilizes a unique cooling process, which pumps air through the magnetic gap and directly over and around the voice coil, providing immediate heat transfer and a reduction in operating temperature. This increases power handling while reducing power compression. Through the use of computer-aided magnet optimization and analysis techniques, P.audio engineers were able to optimize magnet weight, flux density and field saturation, resulting in a 2.6 kg (6.5 lb) reduction in overall driver weight and a significant reduction in harmonic distortion. This magnet structure offers much of the weight advantage of rare earth magnet structure prohibitive cost, enabling the system to carry a 1600 watt continuous AES pink noise power rating.

### Specifications:

System Specifications:	
<b>TRANSDUCER:</b>	Two P.audio Model P180/2241 460 mm (18 in) Low Frequency Transducer
<b>SYSTEM:</b>	
Rated Impedance	4 Ohms
Minimum Impedance	3.4 Ohms
<b>POWER HANDLING CAPACITY:</b>	
Continuous Pink Noise:	1600 watts
Continuous Program:	3200 watts
Peak Power	6400 watts
<b>OUTPUT CAPABILITY:</b>	
Half space reference efficiency:	7.00%
Maximum continuous acoustical power output (sine wave input):	70 acoustical watts
System polarity:	Positive voltage to Red terminal produces forward cone motion
Recommended crossover frequency:	80Hz to 150Hz, 12 dB/octave or greater
	High Pass 20 Hz 12dB/octave or greater
Sensitivity @ 1 Watt, 1 Metre:	101 dB (40-100Hz)
Packing Dimensions (H x W x D):	39.75 x 26.5 x 17.75 in
Net Weight (each):	65 kg (138 lbs)

