

Creek OBH-8, OBH-8SE & OBH-9

MM & MC PHONO PRE-AMPLIFIERS

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PRE-AMPLIFIERS
DESIGNED TO
ENHANCE YOUR
HI-FI SYSTEM



"...These new Creeks are easily THE BEST LOW-PRICE phono stages on the market..."

WORLD VERDICT

Smooth, yet truly musical, these are the best entry-level phono stages around at present.

"... I was seriously impressed. The way it combined real smoothness and refinement with genuine musicality and truthfulness was a joy."

HI-FI World, Nov 1997

"...The Creek OBH-8 is not only fundamentally correct in its performance, it is quite refined. Creek obviously has an EXCEPTIONAL CIRCUIT encased in the diminutive OBH-8 chassis..."

**The Audio Adventure, USA
Dec 1995**

"...These pre-amps sound 'rich', 'tuneful' and 'musical'."

**Audio Advisor, USA,
Feb 1997**



Is your vinyl input getting a little long in the tooth? Or does your new Hi-Fi amplifier not have a phono input? Either way the Creek phono pre-amps will give a boost to your system.

Employing state-of-the-art circuitry and high grade components, the OBH - Phono pre-amps perform miracles at a very modest price. To optimise the match with specific cartridges there are two separate products, OBH-8 for moving magnet and OBH-9 for moving coil.

Creek engineers have designed the OBH phono circuitry to use discrete transistors, instead of more usual integrated circuits. This provides the flexibility to use circuit topology more normally found in high-end equipment. A single-ended, 'Class A' gain stage with passive RIAA equalisation and zero negative feedback achieves tube-like performance while maintaining low noise and current consumption.

The single-ended OBH gain stage is designed in such a way that it can produce high gain and linearity, without requiring negative feedback to achieve low distortion. Zero negative feedback eliminates the need for phase compensation that would 'slow down' the amplifier at high frequencies. Other detrimental

effects like dynamic intermodulation distortion will also be eliminated. This allows the OBH-8/9 to produce a very 'open and dynamic sound'. Passive EQ offers superior sonic performance to the more conventional Active EQ, but requires the careful choice of close tolerance capacitors and resistors. OBH products use 1% metal film resistors and polypropylene capacitors.

Power-on is smooth as the signal level rises slowly. Switch-off is also quiet. The performance of the OBH is only limited by the quality of its power supply and source. The OBH-8 is provided with a low cost OBH-1 power supply, whereas the OBH-8SE and OBH-9 come with the OBH-2 power supply. This can vary from one country to another. To provide a simple upgrade path for the OBH -8, it is recommended to use the high grade OBH-2 power supply.



The OBH-8 and OBH-9 use dedicated circuitry to optimise their performance and cannot be switched from MM to MC. The level output from both the OBH-8 and 9 is suitable for most line level amplifiers and the input sensitivity and loading is factory-set to suit a wide range of cartridges.

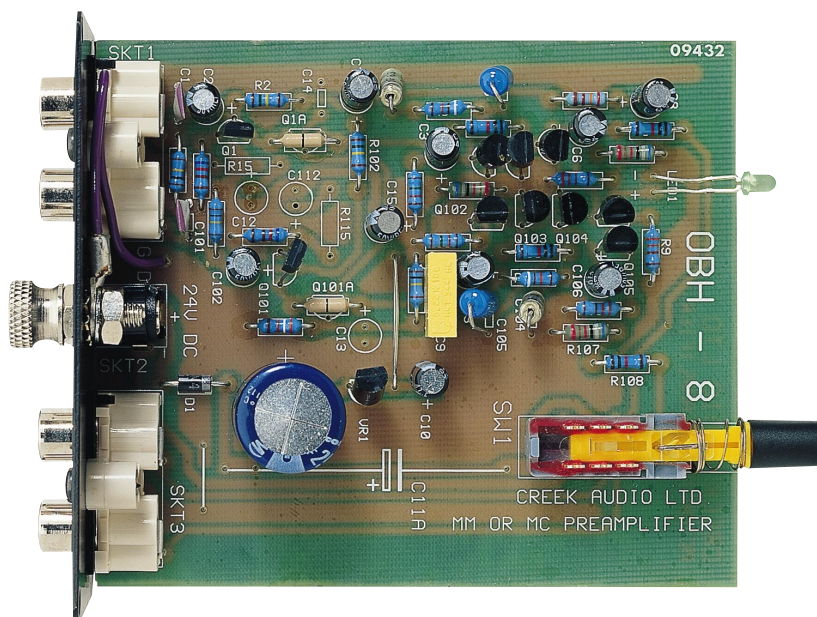
OBH-8SE

There is now an Audiophile version of the OBH-8 known as the Special Edition, which uses audio grade and closer tolerance components, with specific circuitry added to enhance its performance. The SE gain stage uses a cascoded low noise J-FET, instead of a single bi-polar transistor. This enables the input to be DC coupled, removing a capacitor from the signal path. Cascoding increases the gain, especially at high frequencies and therefore improves linearity.

Signal connectors on the SE are gold plated and the OBH-8SE is supplied with the up-rated, high current OBH-2 power supply. These improvements add up to a more transparent, dynamic and revealing sound, totally lacking in colouration, that will thrill vinyl enthusiasts.



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Gain	37 dB
Frequency Response	20 Hz to 20 kHz \pm 0.25 dB
Signal to Noise Ratio	- 82 dB
Total Harmonic Distortion	< 0.05%
R1AA deviation	\pm 0.5 dB
Output	250 mV
Output Impedance	750 Ω
Input sensitivity/impedance	3.5 mV/ 47 kΩ / 220 pF
Overload margin	22 dB
Mates well with cartridges with a 1.5 mV to 5.0 mV output.	
Dimensions	100 x 100 x 65 mm
Weight	420 g

OBH-8SE TECHNICAL SPECIFICATION

Gain	37 dB
Frequency Response	20 Hz to 20 kHz \pm 0.25 dB
Signal to Noise Ratio	- 86 dB
Total Harmonic Distortion	< 0.03%
R1AA deviation	\pm 0.5 dB
Output	250 mV
Output Impedance	750 Ω
Input sensitivity/impedance	3.5 mV/ 47 kΩ / 220 pF
Overload margin	25 dB
Mates well with cartridges with a 1.5 mV to 5.0 mV output.	
Dimensions	100 x 100 x 65 mm
Weight	420 g

OBH-9 TECHNICAL SPECIFICATION

Gain	56 dB
Frequency Response	20 Hz to 20 kHz \pm 0.25 dB
Signal to Noise Ratio	- 75 dB
Total Harmonic Distortion:	< 0.05%
R1AA deviation	\pm 0.5%
Output	250 mV
Output Impedance	750 Ω
Input sensitivity/impedance	0.5 mV/ 1000 Ω / 3300 pF
Overload margin	20 dB
Mates well with moving coil cartridges with a 0.5 mV to 1.0 mV output.	
Dimensions	100 x 100 x 65 mm
Weight	420 g

Creek Audio Limited reserves the right to modify or change the specifications of its products at any time without notice.