

# Creek OBH-14

## 24 BIT D/A CONVERTER AND PRE-AMPLIFIER



ENJOY A 'VINYL' QUALITY  
SOUND FROM YOUR CD'S  
WITH THE HELP OF THIS  
24 BIT DAC

*"... A well made product that  
does everything asked of it, bril-  
liantly..."*

**Hi-Fi News, May 1999**

The OBH-14 is a novel product, combining both Digital to Analogue Conversion at up to 24 Bit resolution, with automatic sampling frequency adjustment up to 48 kHz and simple passive Analogue signal handling capabilities, encapsulated in a miniature case. It can be used to convert digital signals from CD, DVD, DAT, DAB and other digital sources, via two inputs, into analogue signals. It is also able to handle one stereo analogue channel and can be switched between digital and analogue input from the front panel. Also on the front panel is a high grade ALPS volume potentiometer which allows one of the outputs to be fully adjustable.

The OBH-14 has six gold plated Phono sockets (RCA Jacks) on its rear panel providing analogue connection to and from the unit; two inputs for line level Analogue signals, two fixed level outputs from either digital or analogue sources and two adjustable analogue outputs from either the analogue or processed digital inputs. A single phono (RCA Jack) socket is provided for inputting digital signals from various sources by co-axial cable. There is also an optical (TORX) socket for inputting digital signals from various sources by fibre optic link.

The two digital input sockets are common, so only one digital input can be used at any time. However, both inputs could be connected to different sources as long as these are not used simultaneously. If the OBH-14 is used to drive a Power amplifier and volume adjustments are required, the control knob on the front panel can be used to increase or decrease the level from either Analogue or digital.

The OBH-14 is supplied with a Creek OBH-2 high grade regulated power supply.

### OBH-14 TECHNICAL SPECIFICATION

Number of Inputs	<b>1 (stereo) analogue</b>
	<b>1 digital phono 75 Ohm</b>
	<b>1 digital optical (TOSLINK)</b>
Number of Outputs	<b>1 adjustable, 1 direct</b>
Frequency Response	<b>5 Hz - 20 kHz</b>
THD (%) @ 1 kHz	<b>&lt; 0.003 @ -6 dB</b>
	<b>&lt; 0.03 @ -30 dB</b>
Separation @ 1 kHz	<b>&gt; 80 dB</b>
Signal/Noise Ratio	<b>&gt; 96 dB</b>
DAC Output	<b>2.2 V RMS for 0 dB @ 1 kHz</b>
Output Impedance	<b>&lt; 620 <math>\Omega</math> for DAC output</b>
	<b>&lt; 5 k<math>\Omega</math> for adjustable output</b>
	<i>dependent on source</i> <b>&lt; 10 <math>\Omega</math> for non-adjustable output</b>
Minimum Load	<b>10 k<math>\Omega</math></b>
Resolution	<b>16 - 24 bit (automatic)</b>
DAC Type	<b>1bit 128 x FS Delta-Sigma</b>
Sampling Frequency	<b>32 - 48 kHz (automatic)</b>
Power Requirements	<b>24V DC, 150 mA max</b>
	<b>regulated OBH-2 Power Supply</b>
Power Consumption	<b>3.6 W</b>
Size	<b>100 x 100 x 60 mm</b>
Weight	<b>0.5 kg</b>



2 Bellevue Road, Friern Barnet,  
London N11 3ER, England  
Tel: + 44 (0)20-8361 4133  
Fax: + 44 (0)20-8361 4136  
E-mail: [info@creekaudio.co.uk](mailto:info@creekaudio.co.uk)  
Internet: [www.creekaudio.co.uk](http://www.creekaudio.co.uk)

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