Creek OBH-8
OBH-8SE
OBH-9
OBH-9SE

Operating Instructions

The function of the OBH-8 and OBH-9 is to boost the level and correct the frequency response of a low level signal coming from a phono pick-up on a conventional turntable. The signal required by most modern amplifiers is described as being 'LINE' level, which is, in technical terms, between 200 and 500 milli Volts with a flat frequency response.

Unless your amplifier has a specific 'Phono' or Disc input, the level will be too low and the frequency response will be wrong. The OBH-8 and OBH-9 are designed to boost the signal and introduce an R.I.A.A. frequency response characteristic. The OBH-8 Special Edition is an audiophile version of the OBH-8 and operates in every respect like the OBH-8.

INPUT AND OUTPUT CONNECTION

The output from the turntable is normally terminated on two 'Phono' plugs or RCA jacks. The level is dependent on the type of cartridge used, and in the case of Moving Magnet will normally be around 2-5 milli Volts and for Moving Coil - 200 - 500 micro Volts. Low output MC cartridges will require the higher gain of the OBH-9.

Most MM or high output MC cartridges will be properly matched by using the OBH-8 or OBH-8SE. By plugging the signal leads from your turntable into the OBH-8 or 9 input, the signal will be boosted to 'LINE' level at its output. To prevent hum pick-up, it may be necessary to join the turntable's earth lead to the OBH-8/9 ground terminal.

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The output from the OBH-8/9 can be connected to most integrated and preamplifier's line inputs via a regular Phono to Phono (RCA to RCA) stereo interconnect lead.

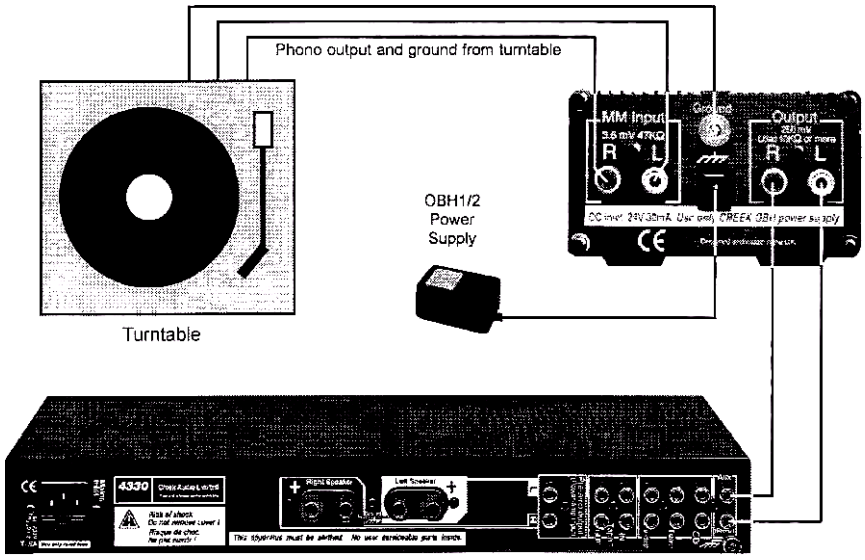
POWER SUPPLY REQUIREMENTS

In common with all electrical appliances, the OBH-8/9 requires a power source. The requirement for the OBH-8/9 is for 24 Volts DC at 30 mill! Amps current, or higher. An OBH-1 standard power supply, or OBH-2 high grade power supply, dedicated for the local voltage and plug type, has been provided. It has a thin cable exiting from it, with a 2.1mm positive centre pin DC power jack fitted on the other end. It should be connected to the Phono amp via the DC inlet on its rear panel.

To operate the phono amp it is necessary to switch-on the unit by pushing the power button on the front panel.

N.B. Due to the inherent muting circuitry in the OBH-8 & 9 the signal will take a few seconds to be heard after the power is switched on. Keep the main amp's volume control at minimum to avoid hearing any unpleasant noises during the on/off phase.

WIRING THE OBH-8 AND OBH-9



Rear of Amplifier

Note 1. The OBH should be placed away from transformer hum fields for the lowest noise operation.

Note 2. It is also necessary for the OBH to be 'burned-in' for at least 24 hours before its full sound quality potential can be realised.

CREEK OBH-8 SPECIFICATION

GAIN	37 dB
FREQUENCY RESPONSE	20 Hz to 20 kHz ± 0.25 dB
SIGNAL TO NOISE RATIO	-82dB
TOTAL HARMONIC DISTORTION	< 0.05%
R1AA DEVIATION	± 0.25 dB
OUTPUT	250 mV
OUTPUT IMPEDANCE	750 Q
INPUT SENSITIVITY AND IMPEDANCE	3.5 mV/ 47 kQ / 220 pF
OVERLOAD MARGIN	22 dB
MATES WELL WITH CARTRIDGES WITH	1.5 mV to 5.0 mV output
DIMENSIONS	100 x 100x63 mm
POWER SUPPLY VOLTAGE	24V DC 30 mA

Supplied with an OBH-1 Standard Power Supply, 220-240V 50Hz or 110-120V 60Hz

CREEK OBH-8SE SPECIFICATION

GAIN	37 dB
FREQUENCY RESPONSE	20 Hz to 20 kHz ± 0.25 dB
SIGNAL TO NOISE RATIO	-86dB
TOTAL HARMONIC DISTORTION	< 0.03%
R1AA DEVIATION	± 0.1 dB
OUTPUT	250 mV
OUTPUT IMPEDANCE	7500
INPUT SENSITIVITY AND IMPEDANCE	3.5 mV/ 47 kQ / 220 pF
OVERLOAD MARGIN	25 dB
MATES WELL WITH CARTRIDGES WITH	1.5 mV to 5.0 mV output
DIMENSIONS	100 x 100 x 63 mm
POWER SUPPLY VOLTAGE	24V DC 30mA

Supplied with an OBH-2 High Grade Regulated Power Supply, 220-240V 50Hz or 110-120V 60Hz

CREEK OBH-9 & OBH-9SE	SPECIFICATION	
OBH-9 OBH-9SE		
GAIN	56 dB	65 dB
FREQUENCY RESPONSE	20 Hz to 20 kHz ± 0.25 dB	
SIGNAL TO NOISE RATIO	-75dB	- 70 dB
TOTAL HARMONIC DISTORTION	< 0.05%	< 0.05%
R1AA DEVIATION	± 0.5%	± 0.5%
OUTPUT	250 mV	250 mV
OUTPUT IMPEDANCE	750 D	750 Q
INPUT SENSITIVITY / IMPEDANCE	0.5 mW 1000 0 / 3300 pF	
INPUT SENSITIVITY / IMPEDANCE - SE	0.15mV/1000Q/3300pF	
OVERLOAD MARGIN	20 dB	25 dB
MATES WELL WITH MC CARTRIDGES	0.5 mV -1 mV output	
SE MATES WELL WITH MC CARTRIDGES	0.15 mV -0.3 mV output	
DIMENSIONS	100 x 100 x 63 mm	
POWER SUPPLY VOLTAGE	24V DC 30mA	

Both supplied with an OBH-2 High Grade Regulated Power Supply, 220-240V 50Hz or 110-120V'60Hz

Creek Audio Ltd reserve the right to change or modify the specification of its products without prior warning.

Designed and made in the UK.

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