

CREEK OBH-15 SPECIFICATION

	MM	MC
GAIN	37 dB	56 dB
FREQUENCY RESPONSE	20 Hz to 20 kHz \pm 0.25 dB	
SIGNAL TO NOISE RATIO	- 83 dB	- 75 dB
TOTAL HARMONIC DISTORTION	< 0.03%	< 0.05%
R1AA DEVIATION	\pm 0.5%	\pm 0.5%
OUTPUT	250 mV	250 mV
OUTPUT IMPEDANCE	<100 Ω	<100 Ω
INPUT SENSITIVITY / IMPEDANCE	3.5 mV/ 47 K Ω / 220 pF	
INPUT SENSITIVITY / IMPEDANCE	0.5 mV/ 1000 Ω / 3300 pF	
OVERLOAD MARGIN	22 dB	20 dB
MATES WELL WITH MM CARTRIDGES	2.5 mV - 5 mV output	
MATES WELL WITH MC CARTRIDGES	0.5 mV - 1 mV output	
DIMENSIONS	150 x 100 x 66 mm	
POWER SUPPLY VOLTAGE	24V DC 30 mA	
<i>Supplied with an OBH-2 High Grade Regulated Power Supply,</i>		
<i>220-240V 50Hz or 110-120V 60Hz</i>		

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

Designed and made in the UK.

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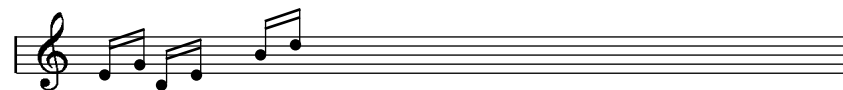
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Creek OBH-15



Operating Instructions

The function of the OBH-15 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-15 is designed to boost the signal and introduce an R.I.A.A. frequency response characteristic.

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.

Most MM or high output MC cartridges will be properly matched by using the OBH-15. By plugging the signal leads from your turntable into the OBH-15 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-15 ground terminal.

The output from the OBH-15 can be connected to most integrated amplifier's and pre-amplifier's line inputs via a regular Phono to Phono (RCA to RCA) stereo inter-connect lead.



POWER SUPPLY REQUIREMENTS

In common with all electrical appliances, the OBH-15 requires a power source.

The requirement for the OBH-15 is for 24 Volts DC at 30 milli-Amps current, minimum. A Creek 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 rear panel. It may be left switched on permanently as it draws very little power.

N.B. Due to the inherent muting circuitry in the OBH-15 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.

CONNECTIONS

With its enhanced drive capability coupled with lower output impedance, the OBH-15 phono pre-amplifier can now drive longer cables than its predecessors, the OBH-8 and OBH-9.

It has combined the gain stages of the OBH-8 and OBH-9 and caters for both moving magnet and moving coil cartridges, selectable via a simple external switch on the rear panel. It also allows for the connection of two turntables.

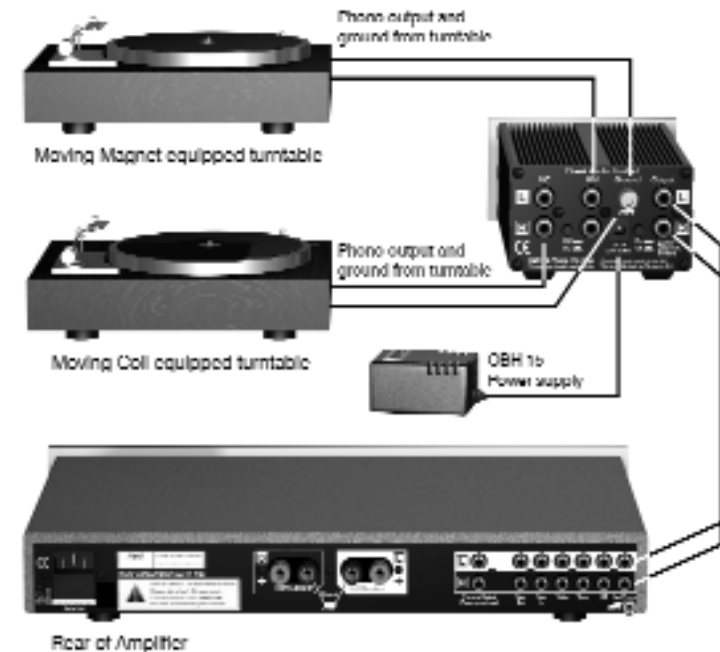
SWITCHING

To change from moving magnet to moving coil, you will find the switch located on the rear panel.

CAUTION

When switching between MM and MC always be sure to reduce the volume to zero for several seconds - or better still switch the power off until after the change has been made, to avoid loud noises.

WIRING THE OBH-15



Note 1. The OBH-15 should be placed away from power supply hum fields for the lowest noise operation.

Note 2. It is necessary for the OBH-15 to be 'burned-in' for at least 24 hours before its full sound quality potential can be realised.

OUTPUT

The output impedance of the OBH-15 is $< 100 \Omega$, therefore it can be used to drive long interconnects, without loss, provided they are not high capacitance types.