

Creek OBH-11



Operating Instructions

Thank you for purchasing the OBH-11 Headphone Amplifier. You are now in possession of a State of the Art product. The functions and operation of the OBH-11 are extremely simple. However, the following notes are provided to explain all aspects of its design and use.

OVERVIEW

The OBH-11 is a miniature audio amplifier, designed specifically to drive a single pair of low to medium impedance (30Ω - 300Ω) headphones from a line level source. It is more efficient to have a small amp to do this rather than waste the power of a full size one when only driving headphones.

The OBH-11 is compatible with any source at line level. For example: an average output level CD player can be connected directly to the input of the OBH-11, just as it could also be used in conjunction with a stand-alone pre-amplifier or integrated amplifier which doesn't have a headphone output.

The OBH-11 is not designed to be connected to the speaker output of an integrated or power amplifier. Output level can be controlled by the high quality volume control on the front panel.



CREEK OBH-11 SPECIFICATION

| | |
|-----------------------|--|
| OUTPUT POWER | > 10 mW into 30 Ω to 300 Ω loads |
| HEADPHONE IMPEDANCE | 30 Ω to 300 Ω |
| THD | \leq 0.05% at 1 kHz |
| SIGNAL TO NOISE RATIO | > 70 dB |
| POWER CONSUMPTION | < 4 VA |
| POWER SUPPLY | 24V DC 150mA |
| SIZE | 100mm x 130mm x 65mm (4" x 5" x 2.5") |
| WEIGHT (NETT) | 360 gms (12 ozs) |

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

Designed in the UK .

WARRANTY

If within two years of purchase date your OBH 11 proves to be defective for any reason other than accident, misuse, neglect, unauthorised modification, or fair wear and tear, Creek Audio Ltd. will, at its discretion, replace the faulty parts without charge for labour or return carriage within the U.K.

This warranty is valid only in the U.K. and given in addition to statutory rights. Service enquiries outside the U.K. should be addressed first to the supplying dealer and/or the Creek distributor/importer. Warranties granted in these countries are entirely at the discretion of the distributor.

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INPUT AND OUTPUT CONNECTIONS

The OBH-11 has two pairs of stereo phono sockets (RCA jacks) on the rear panel. The first pair is the Input from any line level source, direct from the source or via the tape output of an amplifier. The second pair of sockets, marked 'Output', are to chain link the signal onto the next component in the system. Therefore, the OBH-11 can be driven from the Tape Output of an amplifier and the second set of sockets can be used to link the signal to the Tape recorder input. There is a 2.1mm DC power jack, with centre positive pin, for connection to a custom Creek OBH type power supply adaptor. On the front panel there is one 1/4" (6.3mm) stereo socket, for plugging in the headphones.

INSTALLATION AND OPERATION

Connect the OBH power supply adaptor to the mains socket. Find a suitable place for the OBH-11 and plug the DC power lead into the rear panel DC jack socket. Connect a pair of high quality interconnect cables from the output of the source to the input sockets on the rear of the OBH-11. Refer to the wiring diagrams showing the different options for connecting the OBH-11 to your system.

Plug the headphones into the socket on the front panel. Push the On/Off button on the rear to power-up the OBH-11. The small green LED on the front panel will light when it is ready for use. The front panel volume control should be set to the desired signal level.

POWER SUPPLY REQUIREMENTS

In common with all electrical appliances, the OBH-11 needs a power source. The requirements for the OBH-11 is 24 Volts DC at 150 milli Amps current. A custom power supply has been provided to run it, which must be connected to the unit via the DC inlet (2.1mm positive centre pin power jack) on the rear panel. The power supply adaptor should be plugged into the mains socket which should be matched for the voltage of the country of use.

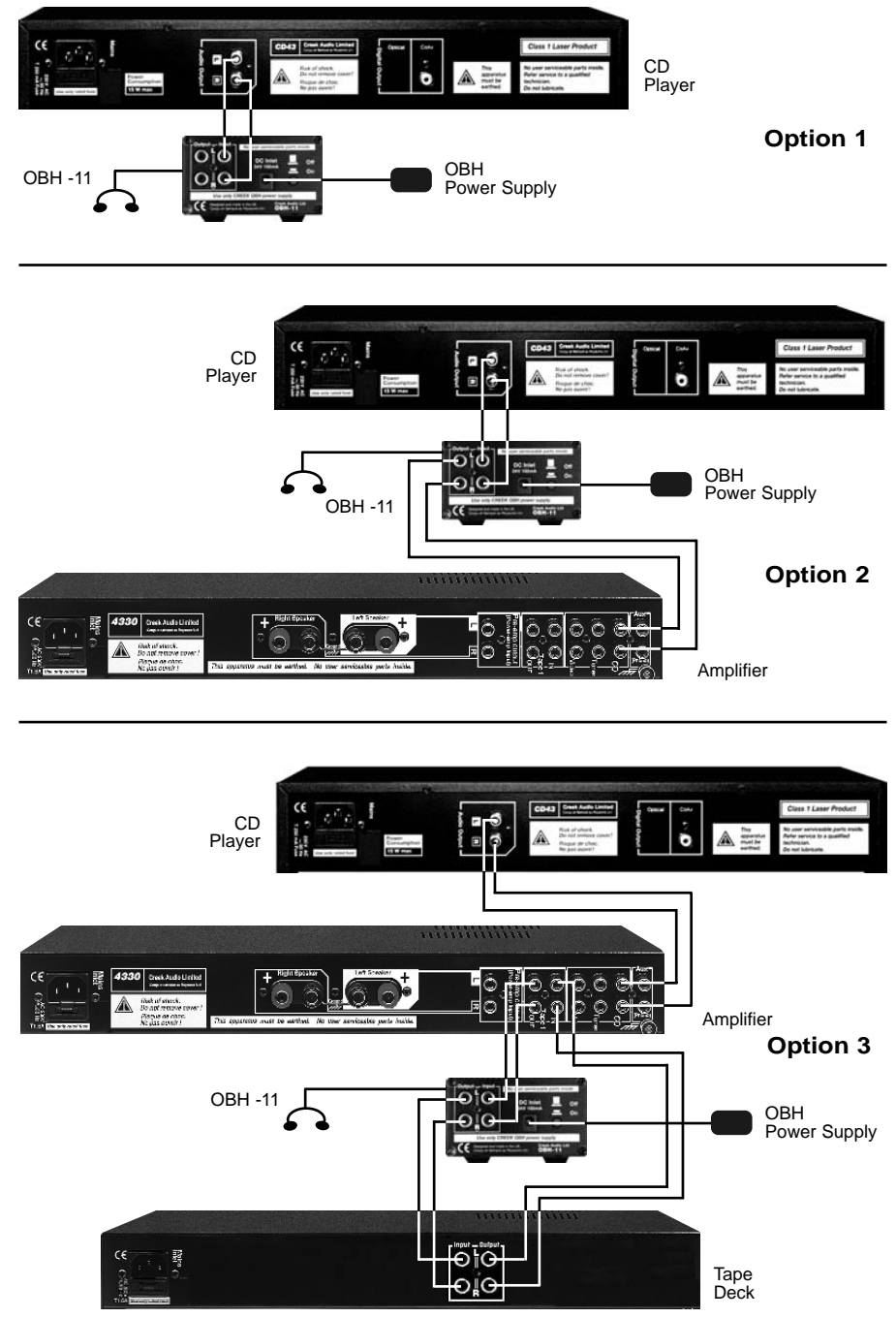
N.B. Due to the circuitry charging-up it is normal to hear a small thump through the headphones during switch-on.

Note 1: *The OBH should be placed away from transformer hum fields for low noise operation.*

Note 2: *When new, it is necessary for the OBH to be 'burned-in' for at least 24 hours before its full sound quality potential can be realised.*

Note 3: *Listening to excessive sound pressure levels can seriously damage your hearing. Be careful and enjoy the music.*

WIRING DIAGRAMS



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