

CREEK 4330 SPECIFICATION

POWER OUTPUT (both channels)	40 Watts into 8 Ω
POWER OUTPUT (one channel)	45 Watts into 8 Ω
POWER OUTPUT (one channel)	65 Watts into 4 Ω
<i>Not recommended for use into more than two pairs of 8 Ω loudspeakers.</i>	
TOTAL HARMONIC DISTORTION (20 Hz to 20 kHz)	< 0.05% 20 Hz to 20 kHz
FREQUENCY RESPONSE	3 Hz to 25 kHz - 1 dB
SLEW RATE	> 40 V per μS
INPUT SENSITIVITY (passive)	350 mV Line level inputs
SIGNAL TO NOISE RATIO ('A' weighted)	> 100 dB
SEPARATION (line input)	> 60 dB at 1 kHz
MM SENSITIVITY AND IMPEDANCE (when fitted)	3.5 mV 47kΩ
MC SENSITIVITY AND IMPEDANCE (when fitted)	0.75 mV 1kΩ
POWER CONSUMPTION (at idle)	< 40 W
POWER CONSUMPTION (full power 10% THD)	200 W
WEIGHT	4.5 Kgs, 10 lbs
SIZE	420 x 60 x 230 mm
	16.5" x 2.4" x 9"
MAINS VOLTAGE @ 60Hz	100V Japan, 115V North America
@ 50Hz	230/240V Europe, Asia and UK

MAINS VOLTAGE AND FREQUENCY IS INTERNALLY SET FOR THE COUNTRY OF USE

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

Designed and made in the UK.

Creek Audio Ltd



2 Bellevue Road, Friern Barnet, London N11 3ER, England

Tel: 00 44 + (0)181-361 4133 Fax: 00 44 + (0)181-361 4136

E-mail: mcreek@ibm.net Internet: www.creekaudio.co.uk

Creek 4330



& 4330R

Operating Instructions



Thank you for purchasing the 4330 amplifier. You are now in possession of a State of the Art Integrated Amplifier. The functions and operation of the 4330 are extremely simple. However, the following notes are provided to explain all aspects of its design and use.

MAINS CONNECTION

When unpacking the amplifier please keep the packing material in a safe place for possible future use. In the pack there is a separate mains cable suitable for connecting to the mains supply in the country of use. The IEC socket end of the cable should be firmly inserted into the connector on the rear panel marked "Mains Input".

Remember, do not overload the mains wall socket with too many plugs or adaptors. The high quality performance of the amplifier will be impaired if the electrical supply to it is in poor condition. If in doubt, consult a qualified electrician or your dealer. The "Mains Input" connection is also fitted with a fuse, specifically suited to the supply voltage of the country of use. The correct value is clearly marked on the rear panel next to the Mains Input.

Should it be necessary to replace the fuse, ensure that you use the same type as specified on the rear panel. i.e: **5 x 20mm cartridge type T 1.6A surge resisting for 220-240V 50Hz AC, T 3.15A surge resisting for 110-120V 60Hz AC or a T 4A surge resisting for 100V (Japan).**



LOUDSPEAKER CONNECTIONS

The loudspeakers should be connected using a suitable pair of cables designed specifically for audio use. The screw terminals allow for either bare wire or spade connectors to be passed through the hole or around the bush. Tighten the terminal fully after fitting the speaker wire. Please consult your dealer for advice if you are unsure.

It is **very important** to connect the loudspeakers to the loudspeaker terminals in the correct phase. Positive and negative sides of the cable are normally polarised with a line or a raised bump on the positive side. If one channel is not connected in the same way as the other, a severe loss of bass performance and a spreading of the stereo image will result.

It is not recommended to use loudspeakers of less than 4Ω resistance or more than two pairs of 8Ω speakers running from the amplifier at one time. However, bi-wiring of one pair of speakers, using the four terminal posts, can improve the sound of your system (consult your dealer for more details).

N.B. *It is VERY IMPORTANT not to short the loudspeaker cables together when the other ends are still connected to the working amplifier, otherwise permanent damage can result. If it is necessary to move or change the location of your loudspeakers, make sure that you switch off the amplifier from the mains first.*

INPUT CONNECTION

All the line inputs on the amplifier are passive as standard and have a sensitivity in the region of 350mV's for maximum power output. The tape input is in a loop with the tape output, enabling you to record anything you can hear, or in other words, **Monitor** recordings without interrupting the signal.

A button on the front panel, marked **Tape Monitor**, should be in the *out* position for normal use and *pressed in* for monitoring from tape.

The rotary selector switch on the left-hand side of the amplifier is used to select any of the desired inputs. As all the line input levels are the same, it is not necessary to use the precise inputs as designated. You may, for example, plug a **CD** player into the **Tuner** input and obtain exactly the same result or performance as the dedicated CD input. However, for added flexibility, the first input on the 4330 is for use as vinyl **Disc** or **Auxiliary Line**, and an optional low noise **MM or MC phono amplifier module** is available, which replaces the standard passive Link PCB, internally.

A **Gain Stage module** (IA Gain) is also available as an option to increase the sensitivity of the pre-amp section when the standard passive pre-amp is not sufficient. Check with your dealer for more details.

VOLUME LEVEL

The volume control, situated in the middle of the front panel, should be used to alter the relative level of the sound output from the amplifier. It is important to realise that

the volume control only acts to reduce, or attenuate, the incoming signal to the power amplifier stage. The maximum power of the amplifier is available only (when the volume control is fully clockwise) if the level of signal available from the line level equipment is sufficient to drive it to clipping; this will be in the region of 350mV's.

The volume control is necessary to balance the level from one piece of equipment to another. It does not increase the power of the amplifier and, if it is found necessary to have the volume control set to a position which is considered to be high, before the desired level of volume is obtained, it does not necessarily mean that the amplifier is having to work "flat-out". The optional **Gain Stage module** may be needed to increase the level as required. Consult your dealer if you feel you need more advice.

OPERATING THE 4330

Make sure that the unit is on a suitable table or Hi-Fi equipment cabinet. It is important to allow adequate ventilation to the heatsink in the centre of the unit. Avoid obstruction of the ventilation slots on the top cover. It may be necessary to place the amplifier on the top of other equipment to allow for this.

Always have the volume control set at minimum (counter-clockwise) when switching on and off, to avoid thumps or sudden loud noises. Select the desired input on the rotary selector and switch the amplifier on with the push button marked **Power** on the right hand side of the front panel. Adjust the volume gently and settle down to listen.

Your 4330 amplifier is designed to give you years of reliable use. However, it is necessary to take care of your possession, so never overheat it or short-out the speaker connections. If an adjustment is needed to the plug-in MM circuitry, it is always advisable to return it to the supplying dealer for his expert help. If you are unfortunate enough to need service work to be carried out on your amplifier, it should be returned to your dealer in the original packing material if possible.

REMOTE CONTROL VERSION (4330R)

The 4330 remote version works in exactly the same way as the standard but has the capability of remote operation of the volume control and mute. The Creek amplifier remote handset has three buttons for these functions at the bottom. The remaining input selection buttons are for use on other Creek products and do not control anything on the 4330. The power LED will change colour from green to red when muted. Volume changes will cause the LED to flash yellow. Muting will be cleared if the volume is moved up but not down. Only the remote handset can clear the mute, or switching the 4330 off for 10 secs and on again. The 4330 remote circuit is designed to go into sleep mode when not in use and the LED will revert to green.

N.B. *The 4330 is designed to work properly in normal domestic operating conditions. However, the amplifier's performance may be seriously affected if sited near to, or in the room with, a radio transmitter such as a mobile phone or CB radio rig, etc. Re-siting the 4330, or the radio, will normalise the situation.*