



OPERATING INSTRUCTIONS FOR THE CREEK P42

The function of the basic Pre- amplifier

The function of the **P42** pre-amplifier is to allow the user to control the signals from various sources (Disc, CD, Tuner, AV and Tape) and vary the amplitude (volume) of the signal to a Power amplifier, which will supply higher level signals to loudspeakers. Therefore, a pre-amplifier should be as flexible as possible and, in this case, the **Creek P42** has a wide range of standard functions and is designed to be configured to meet the customers requirements. Future up-upgrades are possible as it uses a system of modular construction. Please read the following instructions carefully.

Getting Started

Unpack the amplifier and keep the packing material safe for any possible future use. Connect one of your source components (a **CD** player for example) into the sockets on the rear panel marked **CD Input**, using high quality phono to phono interconnect cords. The Pre-amp should be connected to an **A42** power amplifier via a pair of high quality phono to phono interconnect cords plugged into **Output 1**, Select **CD** with the **Listen** selector on the front panel. The **balance** control should be set in the middle position and the **volume** control adjusted to about 9 o'clock to start with. Connect the power supply, described below and then press the **power** switch on the front panel. There will be a 2 - 5 second delay before the signal is allowed through to the power-amplifier, to prevent unwanted noises being amplified. With a signal present on the input, adjust the volume control and, while listening to some relaxing music, please read the rest of this instruction manual.

Power requirements

The **P42** is an active pre-amp so therefore needs voltage to run its circuitry. A custom **low voltage DC power cord** is supplied with the **P42**. If you are using the matching Creek power amplifier - **A42** - you should plug one end of the **power cord** into the matching socket on the rear of each unit and screw the fixing rings tight. This will enable the **P42** to draw power from the **A42's** power supply. Should you want to run the **P42** alone, a separate power supply or a version of the **P42** with a built-in mains power supply should be used and is available to order. Please consult your dealer.

Input Connection

All the input sockets on the **P42** are factory set for line level signals only and they all have the same relative sensitivity. However, **Aux. 1** input can be configured as a Phono input by plugging in a suitable Creek **MM** or **MC** Phono module. To fit a Phono module it is first necessary to remove the **Link PCB** which is fitted to one of the two connectors. Your dealer will be able to advise you about this. As all the inputs have the same sensitivity it is possible to connect a source component to any of the inputs without worrying about the description of the input. Tape input 1 & 2 allows for two tape players to be connected and tape to tape copying in both directions is possible.

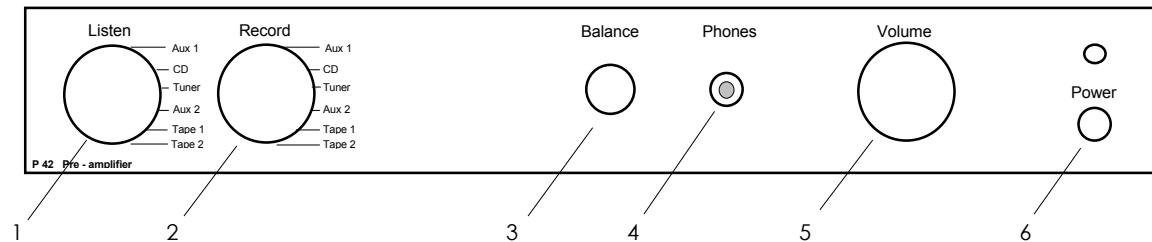
Outputs

The **P42** pre-amp is equipped with three pairs of output sockets, instead of the usual one. This is to allow for more than one power amplifier (Bi-amping or Tri-amping) to be connected to the pre-amplifier at a time. The standard P42 comes supplied with **output one** configured with an active Output Module, and 2 and 3 are supplied with Link PCB's, that are designed to take the place of the active module and provide a signal to the output without further amplification. The internal **Output Module** has three different levels of gain available and can be changed by moving the slide switch if required. Normally the switch is set for 6dB's (X 2). The other two gain settings, marked on the PCB, are 9dB and 12dB (X 3 and X 4). Outputs 2 and 3 are set by an internal passive **Link PCB** for unity gain (X1) input to output.

To increase the gain on these outputs it is necessary to purchase extra active **Output Module/s** as required, one per stereo output. Your dealer can advise. To prevent unwanted noises, the active **Output module** has a muting circuit that shorts the signal to ground when the pre-amp is switched on and off. **Caution:** The outputs that have only Link PCB's fitted do not mute the output on switching-on or off. A special **Bridging module** is also available that will allow two power amplifiers to be connected in bridge mono mode, providing much higher output power.

Tape output is provided on sockets **Tape Output 1 and 2** and has a 1K Ω impedance, which is low enough to drive most machines. As the outputs are electrically buffered it is not possible to load the normal signal path of the pre-amplifier by using one or two low impedance tape recorders.

Front panel controls



To select a source component you wish to **listen** to, rotate selector **(1)** to the desired input. To **record** from a source component, rotate selector **(2)** to the desired input. This two control facility allows you to **listen** to a different input from one you may want to **record**. If you want to record from one tape recorder to another it is necessary to select the source recorder on **(2)** and monitor the recording on **(1)**.

Balance (3) and **Volume (5)** controls alter the amount of signal allowed through the pre-amplifier prior to being amplified by the **Output module**. Normally, the **(3)** should be set with the marker in the vertical position for equal sound level from each channel. If more or less sound level is required from one channel, turn the control either way until the desired balance is achieved. The Volume control functions as an attenuator for the signal, reducing the level from the maximum possible. It does not boost the signal level.

The **Phones** socket **(4)** is inoperative until configured by the dealer. A plug-in module is required to provide the amplification for headphones. The **Phones** output has an impedance of 220 Ω and the amplification factor is determined by the impedance of the phones used. Control the level required by the volume control. When the **Phones** socket is used the active **Output modules** will be muted.

TECHNICAL SPECIFICATION

TOTAL HARMONIC DISTORTION	< 0.01% 20 Hz to 20 kHz
FREQUENCY RESPONSE	0 Hz to 35 kHz -1dB
LINE INPUTS	X 4 at 47k Ω
TAPE LOOPS	X 2
OUTPUTS	X 3 Maximum
TAPE OUTPUTS	X 2 at 1k Ω
GAIN From OUTPUT 2 & 3 with LINK PCB installed	X 1 (0dB)
GAIN From OUTPUT 1 switchable	x 2 (6dB), X 3 (9dB) & X 4 (12dB)
MAXIMUM OUTPUT VOLTAGE per Outut module	6V AT 10k Ω load
OUTPUT IMPEDANCE	1K Ω
SIGNAL TO NOISE RATIO	-105dB for 600mV output
SEPARATION	-80 dB'S at 1 kHz
POWER CONSUMPTION	7W DC (15W AC mains version)
POWER REQUIREMENTS	+35 & -35V's DC from A42
WEIGHT PACKED	3.7 Kgs, 9 lbs
SIZE	420 X 60 X 230 mm 16.5 X 2.4 X 9"

CREEK AUDIO LTD, 2 BELLEVUE ROAD, FRIERN BARNET, LONDON, N11 3ER, ENGLAND.

Tel: (44) 0 181 361 4133

Fax: (44) 0 181 361 4136

email : mcreek@ibm.net