



Instruction Manual

V1.1

# SEQUEL mk4

Plug-in Phono Card

The Sequel mk4 fits inside most Creek amplifiers produced since 1993 and suits a wide-range of Moving-Magnet (MM) and high-output Moving-Coil (MC) cartridges.

It plugs into the pre-amplifier circuit board, in place of the LINK connector. In the case of the Voyage i20 amplifier it MUST be fitted by the supplying dealer, for health and safety reasons. If care is taken to follow the fitting instructions precisely, it can be installed in all other Creek amplifiers by the user or dealer.

#### Fitting instructions

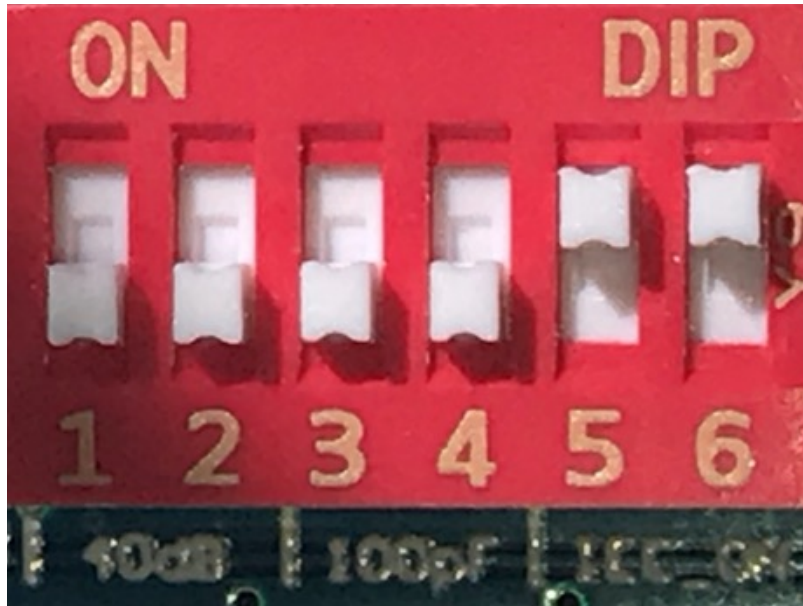
It is essential to remove the mains power and other cables from the amplifier. Using a crosshead (Pozidrive) screwdriver, remove screws and cutting washers around the top cover. Remove the top cover and place it carefully away from the amplifier.

Remove the plug-in 5-way LINK PCB from the Pre-amp section of the amplifier. This makes room for the Sequel mk4 Phono pre-amp to be fitted, between the 4-way (power supply) and 5-way (input/output) connector. It is not possible to fit the module back to front, but make sure all the pins on the connector are lined-up with the sockets on the Phono PCB. The Phono pre-amp can be damaged if it is misaligned when powered-on.

Do not use more gain than is required, as it may overload the Line pre-amp and cause distortion. 40 dB is sufficient for most MM cartridges and 50dB is enough for most high output MC cartridges.

To match your cartridge there are three pairs of switches located in a block at the left side of the module. Make the selection before replacing the cover on your amp. One pair is the left and right channel.

- 1 & 2 select either 40dB or 50dB gain (amplification).
- 3 & 4 select either 100pF or 200pF input matching capacitance. Check the specification of your cartridge for an approximate match. It is not essential or possible to match perfectly, so do not worry.
- 5 & 6 select either a flat response (RIAA) or with a low frequency filter (IEC) roll-off. IEC filter reduces subsonic noises from warped discs and limits low frequencies for small speakers. It may seem confusing, but with the switch in the ON position, the IEC filter is OFF.



**Technical specification:**

Input Impedance	47k Ohms
Cartridge compatibility	Medium to high output range MM, from 2.2mV to 6.5mV Low output MM or high output MC cartridges from 0.8mV to 2.2mV - 47k Ohms input impedance only
Frequency Response	10 Hz to 20 kHz +/- 0.5dB
Signal to noise ratio	>80dB at 40dB gain or >70dB at 50dB gain
THD	<0.005%
Maximum output	10V RMS, limited by its regulated power supply voltage
Switchable options	Piano key (DIP) switch on-board selects the following
Gain 1	40dB (x100) for medium to high output MM
Gain 2	50dB (316) for high output MC and low output MM
Capacitance	100pF or 200pF
Low Frequency filter	RIAA flat or IEC low frequency 20Hz roll-off (7950 $\mu$ s)

Cartridge compatibility recommendation is just a rough guide to allow the average modulation of a vinyl disc to drive the amplifier to its maximum rated power. Creek amplifiers range in power from 40 to 120 Watts into 8 Ohms, depending on the model and have an overall gain of 33.3dB, or x48.

It is flexible enough to match a wide-range of MM and high-output MC cartridges. It is not suitable for medium to low output MC cartridges, which require lower matching impedance and higher gain.

Sequel mk4 is suitable for use with the following Creek Integrated amps and pre-amps from 1993 onwards. To make sure the Sequel mk4 suits your Creek amplifier, please read the definitive list below:

Voyage i20, Evolution 100A and Evolution 50A, Destiny 2, Evolution 2, Evolution 5350, Classic 5350 SE, 5350 SE, 5350 R and 5350, 5250, 5250 R and 5250 SE, 4330, 4330 R and 4330 SE, 4240 and 4240 SE and P42 Pre-amp.

Sequel Phono pre-amps are not suitable for use with 4330 mk2, 4330R mk2, 4330 SE mk2, A50i and A50iR. Only the discrete transistor, single voltage power supply, type of Phono pre-amps should be used. Destiny 1 used a different style of Phono board, but an adapter PCB is now available that allows the Sequel mk4 fit. Check with Creek Audio for availability.

If you are in doubt, check with your dealer or write to [info@creekaudio.com](mailto:info@creekaudio.com) for advice.

**WARRANTY.**

If within two years of purchase date your Creek Voyage CD proves to be defective for any reason other than accident, misuse, neglect, unauthorized 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 United Kingdom. For warranty outside the UK, please consult your dealer or the importer. Worldwide distributor's details are shown on the Creek website. Warranties granted in these countries are entirely at the discretion of the distributor/importer.