

# Dynavector AMPLIFIERS

## Dynavector P75 mk3

phono preamplifier and  
phono enhancer

instructions and specifications

### IMPORTANT SAFETY INSTRUCTIONS

**Read and keep Instructions:** Please read all safety and operating instructions before using this product and retain them for future reference.

**Heed warnings:** All warnings on the product and in the operating instructions should be adhered to.

**Follow instructions:** All operating and use instructions should be followed.

**Cleaning:** Unplug the product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

**Power sources:** This product should be operated only from the type of power source indicated on the marking label. If you are not sure consult your dealer.

**Servicing:** Refer all servicing to qualified service personnel.

#### Warranty

Dynavector products are manufactured to very high standards. The Dynavector P75 has a one year warranty to the original owner, from the original date of purchase, against defects in material and workmanship. This warranty does not extend to damage caused by improper use/installation, faulty ancillary equipment, modifications, unauthorised repair, shipping damage or loss, abuse, accidents, use on improper voltage/current, lightning or other acts of God, normal wear and tear, commercial use, or purchases from unauthorised dealers. Proof of purchase as evidence the unit was purchased from an authorised dealer within the warranty period may be required for warranty service. Do not return the product without first contacting your dealer or Dynavector. This warranty is non-transferable.



This product can be recycled. Products bearing this symbol must NOT be thrown away with the normal household waste. At the end of the product's life, take it to a collection point designated for recycling of electrical and electronic devices. Find out more about return and collection points through your local authority.

The European Waste Electrical and Electronic (WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, thereby reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still useable, consider giving it away or reselling it.

### P75 mk3 power supply requirements

AC to DC power adaptor 12VDC +/-20% 500mA  
Two pin adaptor centre positive  
Outer Diameter 5.5mm  
Inner Diameter 2.1mm

**Note: Power supply is not included.**

Please purchase a suitable supply at your local dealer.

### Specifications

The P75 mk3 is a stand-alone phono to line level amplifier. It can operate with the following cartridge types:

Cartridge type	Input sensitivity	Gain	Loading (ohms)
Low output Moving Coil	0.2mV (200µV)	60 & 63dB	30, 60, 100, 220, 470*
Suggested minimum	0.15mV (150µV)		
Shunt Capacitance	560pF* (all cartridge types)		

#### Low Output MC Phono Enhancer

specs vary according to cartridge make and model, determined mainly by the cartridge internal DC coil resistance. Three resistance/gain adjustments available.

<b>High output Moving Coil</b> or Moving Magnet, or Moving Iron	2.0mV	40 & 46dB	47k (47,000)
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<b>Medium Output MC/MM</b>	1.0mV	50dB	47k (47,000)
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\* Some other R and C loading values available including user/custom values.

Always turn off power to the audio system (including power to the P75) when altering jumpers or settings inside the P75.

**NOTE:** Under no circumstances should a signal generator be used with the phono enhancer circuit, as excessive current from the generator may damage the P75.

### P75 Design Notes

The P75 has a unique power supply that runs at over 1/4MHz.

It takes the low grade single voltage DC supply from the ac adaptor and converts it to the dual high voltages required for true professional quality audio reproduction. The operating frequency is over 12 times higher than the top of the audio band and it incorporates super low noise wideband regulators in its output stage to give ultra low noise supply rails.

The internal P75 power supply is totally self contained and stores many times the maximum possible energy requirements of the phono amplifiers. This means that the quality or size of the external ac adaptor is irrelevant. Increasing the capacity of the external supply will make no difference to the quality of the sound.

The P75 does not have any mains frequency or other low frequency components in the power supply and so hum problems that plague conventional phono amplifiers are eliminated.

**Note:** The P75 supply requires a higher peak current to start up and so we do not recommend using an adaptor of less than 500mA.

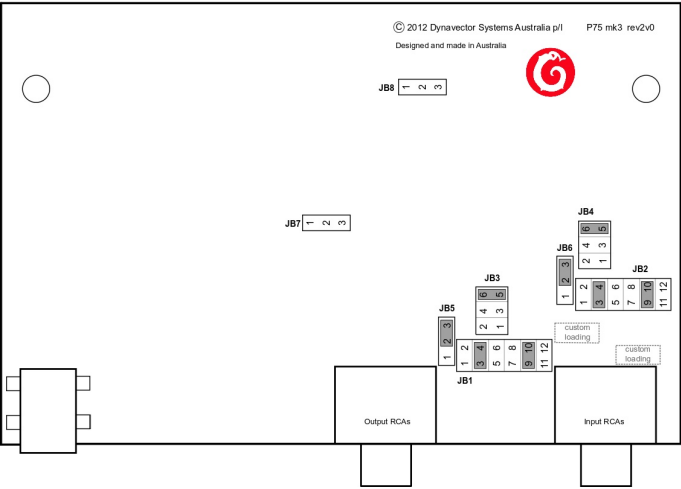
The P75 also has a great advantage over many other designs. It presents a constant and almost purely resistive load to the cartridge right across the audio band and beyond. This provides the cartridge with an ideal load, removing so-called "matching" problems.

The P75 also incorporates the unique Phono amplifier invented by Dr Tominari of Dynavector Systems Ltd, Japan, called a Phono Enhancer.

An **earth terminal** is provided on the rear panel that will allow the metal chassis to be connected to earth if required.

While the P75 itself does not generate any hum, the tone arm and interconnect cables may act as antennae and pick-up some hum. This is normally removed by running an earth wire to the preamplifier ground directly from the turntable's normal ground. In most applications the P75 will not need to be earthed.

P75 mk3 Jumper Location and Settings



**Key**    blank = no jumper  
          [shaded] = fit jumper  
          [bordered] = no effect, jumper may be fitted or left off

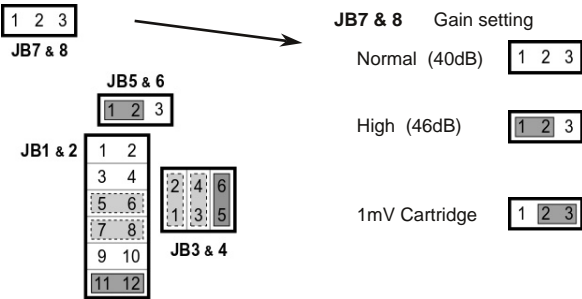
For more information visit [www.dynavector.com.au](http://www.dynavector.com.au)

All the above adjustments are easily made by the user. No soldering or extra components are required.

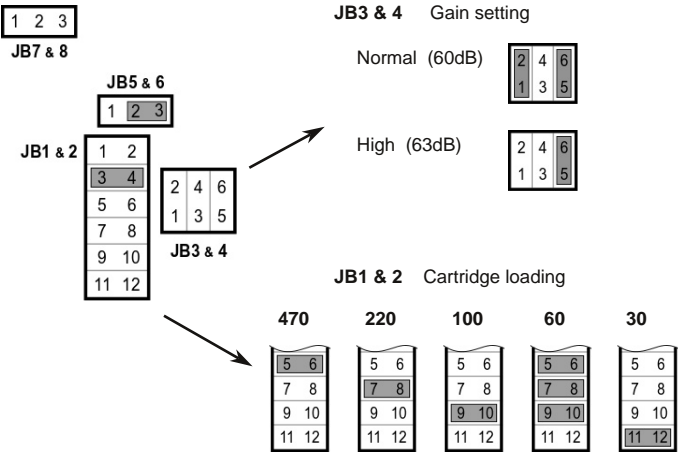
Standard Settings

When delivered from the factory, the P75 is set to the following standard settings:  
Low output moving coil    100 ohm    63dB gain. Shown above.

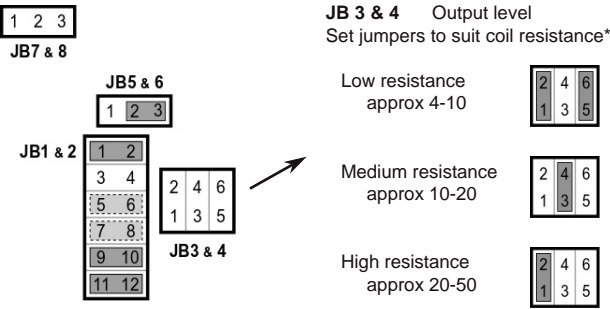
High output MC or Moving Magnet and special 1mV MC



Low output MC - standard phono mode



Phono Enhancer mode (Low output MC)



Phono Enhancer mode notes

\* The coil resistance is obtained from the cartridge manufacturer's specifications. This resistance is the DC resistance of the coil, sometimes referred to as the impedance. It is not the cartridge loading resistance.

An example may help:  
Dynavector's DV XX2 mkII specification sheet gives the following:

Impedance                    R = 6    (ohms)  
Recommended load resistance    >30    . Ignore this in PE Mode.

The DC coil resistance for the DV-XX2 mkII is 6 ohms therefore in PE mode, set JB3 & 4 for a low resistance coil.

See [www.dynavector.com](http://www.dynavector.com) for complete Dynavector cartridge specifications.

In appreciation

We wish to express our great appreciation to the late Mr John Bevan Ford of New Zealand-Aotearoa, contemporary Maori artist and music devotee, for his generous assistance with the appearance and functional design of our Dynavector products. While his insight will be sorely missed, we shall continue to follow his clear guiding principles.

Haere ra John.



[www.dynavector.com.au](http://www.dynavector.com.au)

Designed and manufactured in Australia by  
Dynavector Amplifiers Australia