Dynavector P-75

phono pre-amplifier
and phono enhancer

Instructions and Specifications

www.dynavector.com

Designed and manufactured by
Dynavector Australia and New Zealand / Aotearoa

The P-75 has a unique power supply that runs at over 1/4MHz. It takes the low grade single voltage DC supply from the ac adapter 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 P-75 power supply is totally self contained and stores many times the maximum possible energy requirements for 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.

There are no input or output coupling capacitors in the P-75 signal path. The P-75 incorporates the unique current amplifier invented by Dr Tominari of Dynavector Systems Ltd., Japan, called a Phono Enhancer. **Note:** The P-75 supply requires a higher peak current to start up and so we do not recommend using an adaptor of less than 500mA. The P-75 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.

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

While the P-75 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 pre amplifier ground. In some applications, the P-75 may need to be earthed.

P-75 power supply requirements

AC to DC power adaptor 12V 500mA DC
Two pin adaptor centre negative outer positive
Outer Diameter 5.5mm
Inner Diameter 2.5mm

Note: Power supply is not included.

Please purchase a suitable supply at your local dealer.

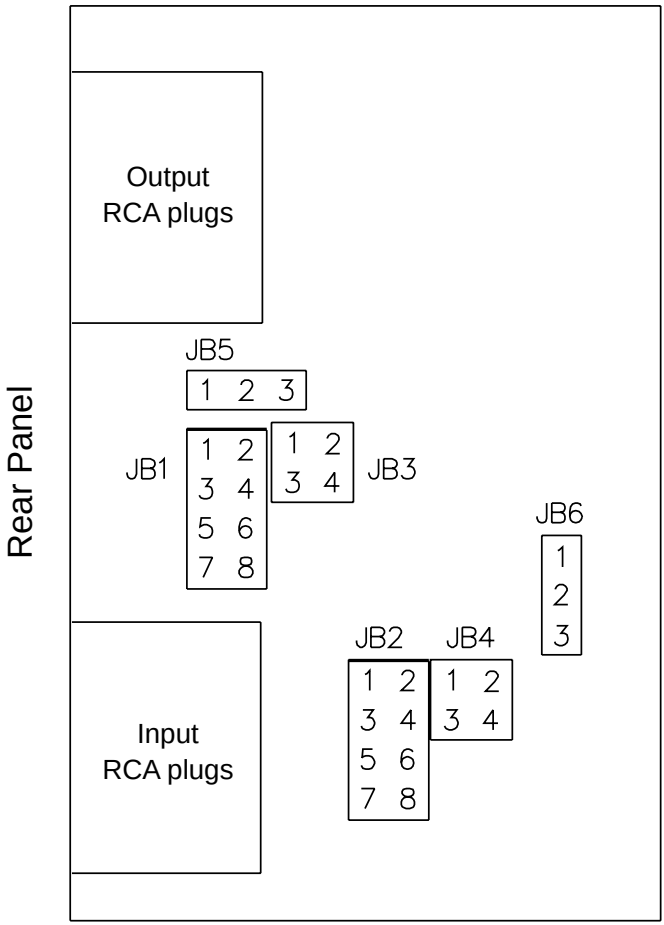
Specifications

The P-75 is a stand-alone phono to line level amplifier. It can operate with the following cartridge types:

Cartridge Type	Input Sensitivity	Gain	Loading
Low Output Moving Coil Standard phono stage	0.2mV (200µV) or 0.15mV (150µV)	60 & 63dB	30, 100, 470 ohms
Low Output MC Phono Enhancer*			Zero ohms
High Output Moving Coil Moving Magnet Moving Iron	2mV	40dB	47k (47,000) ohms

*Input sensitivity and gain is determined mainly by the cartridge internal resistance.
Three resistance/gain adjustments available.

P-75 Jumper Diagram



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

Always turn off power to the audio system (including power to the P-75) when altering jumpers or settings inside the P-75.

NOTE: Under no circumstances should a signal generator be used with the phono enhancer circuit, as any excessive current from the generator may damage the P-75.

P-75 Jumper Settings

High Output MC or **MM**

JB1 & 2		**JB3 & 4**	
1-2	open	1-3	2-4
3-4	open	short	short
5-6	x		
7-8	x	**JB5 & 6**	
		1-2	2-3
		short	open

Low Output MC

Standard phono

	JB3 & 4		**JB5 & 6**	
	1-3	2-4	1-2	2-3
60dB gain (normal)	short	short	open	short
63dB gain (high)	open	short		

	JB1 & 2		
Cartridge loading	470 ohm	100 ohm	30 ohm
1-2	open	open	open
3-4	short	short	short
5-6	open	short	short
7-8	open	open	short

Phono enhancer (current amplifier)

JB1 & 2		**JB5 & 6**	
1-2	short	1-2	2-3
3-4	open	open	short
5-6	short		
7-8	short		

	JB3 & 4	
	1-3	2-4
Low resistance coil	open	short
Med resistance coil	short	short
High resistance coil	short	open

Key

open = remove jumper

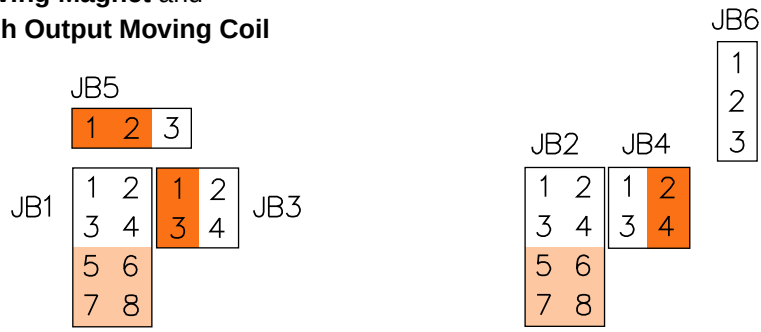
short = fit jumper

x = jumper can be in any position

P-75 jumper position examples

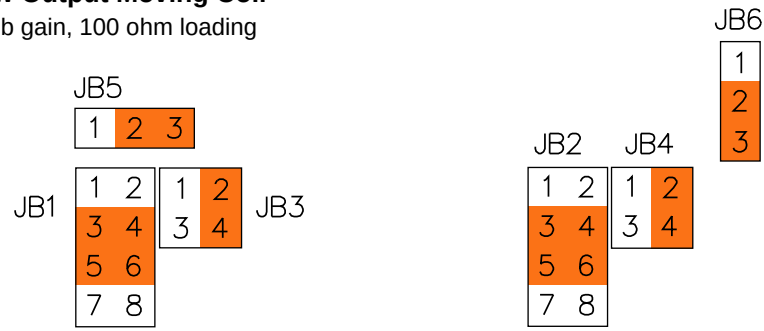
open = remove jumper **short** = fit jumper any position

Moving Magnet and **High Output Moving Coil**



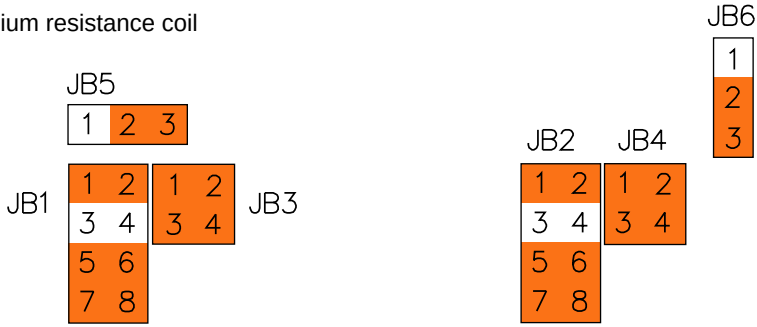
Low Output Moving Coil

63db gain, 100 ohm loading



Phono Enhancer

Medium resistance coil



IMPORTANT SAFETY INSTRUCTIONS

Read Instructions

All the safety and operating instructions should be read before using this product.

Retain Instructions

The safety and operating instructions should be retained 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 of the type of power supply, consult your dealer.

Servicing

Refer all servicing to qualified service personnel.

Warranty

Dynavector manufactures its products to very high standards and we are confident our products will perform well. Accordingly, we warrant the Dynavector P-75 against manufacturing defects in material and workmanship to the original owner, for a period of one year from the original date of purchase. 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 puchases 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.