Dynavector
AMPLIFIERS

Dynavector P75 mk4.1

phono preamplifier and
phono enhancer

quick start guide

IMPORTANT INFORMATION

This is a short "Quick Start Guide". For more details an Owner's Manual is available for download at www.dynavector.com.au. This document applies to P75 mk4.1 pcb revision r5v0

P75 mk4.1 Power Supply Requirements

USB C PD 3.0 or higher
Type C connector
25W minimum, 30W recommended. Typical power consumption 2W.
Must include 15V @ 2A or greater
(supplied by dealer)

P75 mk4.1 Power Supply and Grounding Notes

The P75 mk4 series introduced a new ultra-low noise power supply that is electrically isolated from the input power supply. It is very gy efficient only drawing about 2 Watts when operating.

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.

While the P75 itself does not generate any hum, the tonearm and interconnect cables may act as aerials and pick up hum. To remove hum, connect an earth wire from the turntable/tonearm to a suitable ground point, usually the preamp/integrated amp ground.
The P75 Ground Terminal should be connected to the same ground point.

Specification summary

The P75 mk4.1 is a stand-alone phono to line level amplifier and works with almost any cartridge as follows.

Cartridge type	Input sensitivity	Gain	Loading Ω (ohms)
Low output MC	0.2mV (200µV)	62, 64, 67dB	30, 60, 100, 220, 470 Ω *
Medium output	1.0mV	52dB	470 Ω
High output MC/MM	2.0mV	40, 42, 46dB	47k (47,000) Ω
Shunt capacitance	180, 280, 380pF *		

* User can also fit any custom R or C loading values. Note: Shunt C only applies to MM cartridges.
Always add interconnect and tonearm capacitance in any calculations, it can be surprisingly high.

Low Output MC Phono Enhancer (PE)
PE is a special Patented Mode of operation for Low Output MC cartridges. The setting is based on the DC coil resistance of the cartridge. Refer to the cartridge specifications - see cartridge resistance or impedance.

P75 mk4.1 Jumper Location and Settings

The P75 can be adjusted to suit any cartridge on the market. Adjustment is simple. No soldering or extra parts needed.
Different settings are made by changing the position of jumpers on the Jumper Blocks. The layout of the jumpers is shown below.

Standard / Factory Default Setting

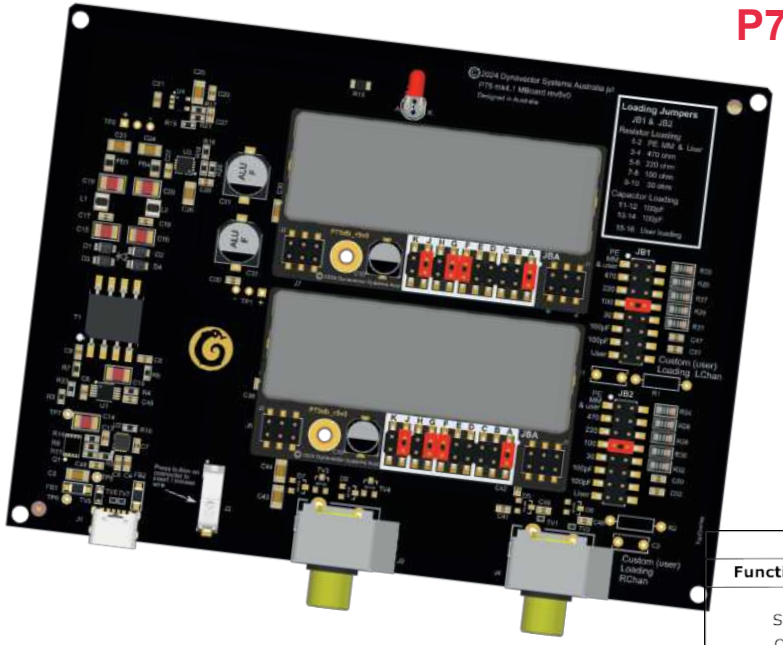
The P75 is shipped from the factory as follows:
Low output moving coil 100 Ohm loading 64dB gain. Shown below.
This setting is perfect for over 95% of low output moving coil cartridges.

www.dynavector.com.au

Designed and manufactured in Australia by
Dynavector Amplifiers Australia.

For support please contact your
local Hi-Fi dealer or Dynavector Distributor.

P75 mk4.1 r5V0

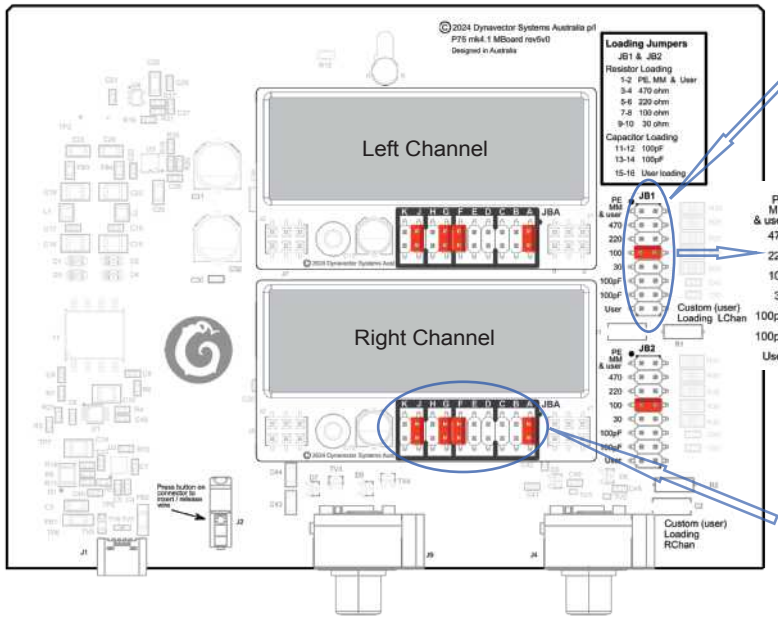


NEVER adjust with power on!

Key		
Function	**Dwg**	**Jumper**
Short		on
Open		off
X		on or off (don't care)
Open/Spare		half on - for unused jumpers

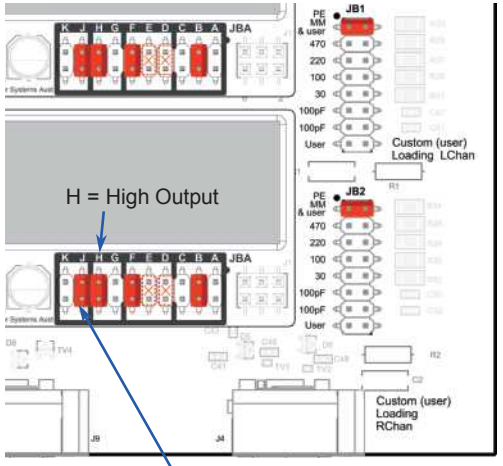
Standard Factory Settings

Low output moving coil standard phono mode
64dB gain 100 Ohms loading

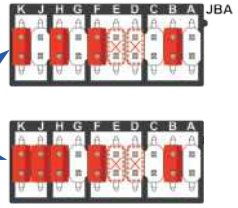


High Output MM / MC

shown set for standard MM gain

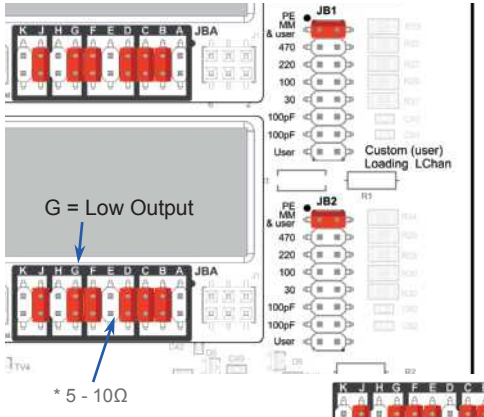


MM Gain	Jumpers
Standard gain*	J
Add 2dB	K
Add 6dB	J + K
* use std gain for MC and PE	

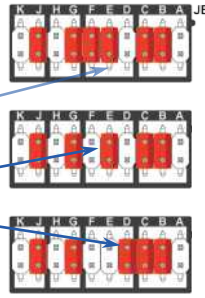


PE Mode

shown set for low resistance coil

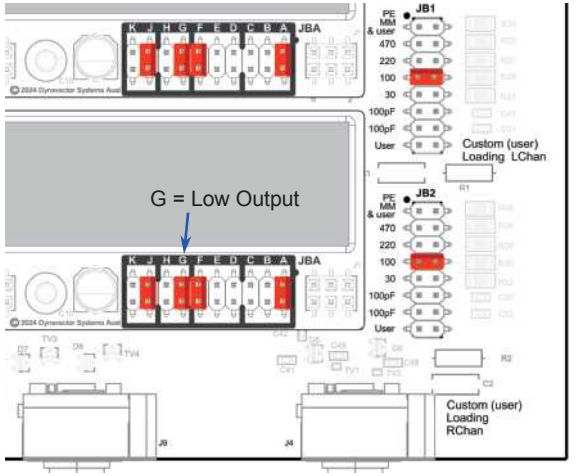


Cartidge Coil R	Jumpers
4 - 5Ω	E + F
5 - 10Ω *	D + F
10 - 20Ω	E
20 - 50Ω	D
* most common setting	

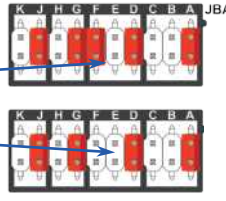


Low Output MC

shown set for 64dB gain 100Ω Loading



Low MC Gain	Jumpers
62dB (lo)	D + F
64dB *	F
67dB (hi)	D
* standard factory setting	



Loading Values

Load Ω	Jumper
470Ω	470
220Ω	220
150Ω	470 + 220
100Ω	100
82Ω	470 + 100
60Ω	470 + 220 + 100
30Ω	30
Load pF	**Jumper ***
180pF	no jumpers
280pF	100pF
380pF	100pF + 100pF
Custom	**Jumper ***
Custom	PE,MM & user

solder custom R or C parts onto PCB in locations provided

* Always add cable and tonearm capacitance

Medium Output (1mV)

1mV Cartidge	Jumpers
Set Loading R	470 *
Set MC std mode	A + G
Set Low gain	D + F
for 1mV REMOVE	~~J + K~~
* or use custom loading	