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## **Dynavector P-300**

### **phono preamplifier**

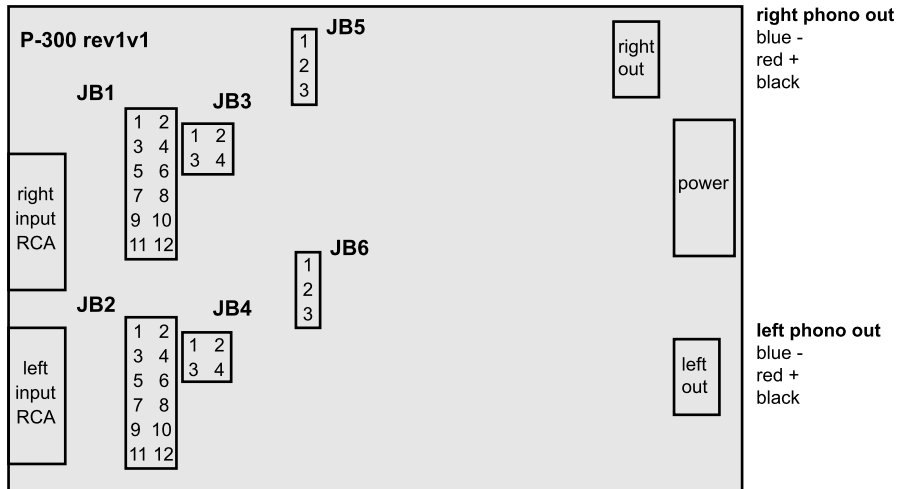
owner's manual

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

Designed and manufactured by  
Dynavector Australia and New Zealand / Aotearoa

P-300 owner's manual, revision 1.0

## P-300 Jumper Locations & Settings



The P-300 is easily adjusted to match almost any cartridge. No soldering or extra components are required. Just add or remove the jumpers according to the information below to suit your cartridge.

**Standard Settings:** When delivered from the factory, the P-300 is set to the following:  
Low output moving coil 100 ohm loading 63 dB gain.

**Key:** open = remove jumper      short = fit jumper      x = don't care ( short or open )  
MC = moving coil      MM = moving magnet      PE = phono enhancer

### High output MC or MM

**JB 1 & 2**  
1 - 2 short  
3 - 4 open  
5 - 6 open  
7 - 8 x  
9 - 10 x  
11 - 12 x

**JB 5 & 6**  
1 - 2 short  
2 - 3 open

**JB 3 & 4**  
1 - 3 x  
2 - 4 short

### Low output MC - standard phono mode

<b>JB 1 &amp; 2</b>	<b>JB 5 &amp; 6</b>	<b>JB 3 &amp; 4</b>	
1 - 2 open	1 - 2 open	<b>Gain</b> 63dB	<b>66dB</b>
3 - 4 open	2 - 3 short	1 - 3 short	short
5 - 6 short		2 - 4 short	open

<b>Loading</b>	<b>470 Ω</b>	<b>100 Ω</b>	<b>30 Ω</b>	<b>22 Ω</b>	<b>(Ω=ohms)</b>
7 - 8	open	short	open	short	
9 - 10	open	open	short	short	
11 - 12	always open				

### Low output MC - phono enhancer mode ( PE mode )

**JB 1 & 2**  
1 - 2 open  
3 - 4 short  
5 - 6 open  
7 - 8 x  
9 - 10 x  
11 - 12 short

**JB 5 & 6**  
1 - 2 open  
2 - 3 short

**JB 3 & 4** Set output level based on coil resistance\*  
**Low resistance coil**  
1 - 3 short approx 4 - 10 ohms\*  
2 - 4 short

**Medium resistance coil**  
1 - 3 open approx 10 - 20 ohms\*  
2 - 4 short

**High resistance coil**  
1 - 3 short approx 20 - 50 ohms\*  
2 - 4 open

\* 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.*

In PE mode, the output level or gain of the P-300 can be adjusted to one of three levels depending upon the DC resistance of the cartridge coil. An example may help:

Dynavector's DV XX2 mkII specification sheet gives the following:  
Impedance R = 6 ohms ( use this in PE mode )  
Recommended load resistance >30 ohms ( ignore this in PE mode )

The DC coil resistance for the DV-XX2mkII is 6 ohms therefore in PE mode, set JB 3 & 4 for a low resistance coil.  
See [www.dynavector.com](http://www.dynavector.com) for complete Dynavector cartridge specifications.

### Specifications

The P-300 phono preamplifier can only operate inside an L-300 preamplifier. The output from the P-300 is a balanced signal. It can operate with the following cartridge types:

Cartridge Type	Input Sensitivity	Gain	Loading (Ω=ohms)
Low Output Moving Coil	0.2mV (200µV) or	63 & 66dB	22, 30, 100, 470Ω
Standard phono stage	0.15mV (150µV)		

Low Output MC			Zero Ω
Phono Enhancer*			

High Output Moving Coil	2.0mV	40dB	47k (47,000) Ω
Moving Magnet			
Moving Iron			

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

Always turn off power to the audio system when altering jumpers or settings on the P-300.

**NOTE:** Under no circumstances should a signal generator be used with the phono enhancer circuit, as excessive current from the generator may damage the P-300.