

Garrott Brothers

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Garrott Optim S2 / Optim FGS Cartridge / Optim FGS Ruby

The GARROTT Optim 'S2' cartridge is the latest member of the GARROTT family of "Dynamic Coil" cartridges. Its release brings the development of this exclusive range of audiophile products to new heights of impact and musical realism. Based on time proven GARROTT design principles it offers extended dynamic range, deep and full bodied bass, a more solid and musically convincing midrange, blending with a beautifully smooth and enchanting treble performance, free from the brittleness and glare that so often passes for 'detail' in musical reproduction today!

In essence, many cartridges suffer the effects of excessive damping of the complex signals which they are expected to reproduce. This is purposely done in an attempt to control excessive high frequency brightness and distortion artefacts inherent in the mechanics of the stylus/record interface.

Unfortunately, overdamping also results in quite serious loss of musical dynamics and leaves a legacy that results in dull and unconvincing reproduction. This is especially noticeable in the upper bass to lower midrange areas that contain the body and 'feeling' of the music. GARROTT Optim cartridges have been designed such that minimal damping of the mechanical interface is needed and can be applied in a graduated way such that musical content is retained unimpaired.

The Optim 'FGS' model takes this concept to the ultimate with the inclusion of a special stylus profile which together with careful balance of moving parts results in superior tracking of even significantly worn record grooves, providing to the listener full bodied and powerful yet highly detailed reproduction that has not previously been achieved with affordable cartridges. Indeed previous attempts at reaching this level of performance have usually done so at the expense of quite complex setup procedures and/or excessive tracking weights and consequent record wear.



The Garrott Optim FGS Ruby benefits from a gemstone quality solid ruby cantilever for the ultimate in musical clarity.

We are pleased to be able at last to offer lovers of quality analogue sound reproduction a range of inexpensive and easy to live with cartridges that will reveal hitherto unrealised performance from your carefully preserved record collection. Previously this level of performance has only been approached by the most expensive moving coil cartridges. We are confident that you will be delighted with your purchase.

TECHNICAL SPECIFICATIONS

Optim S2		Optim FGS		Optim Ruby	
DIAMOND STYLUS	Garrott Shibata	DIAMOND STYLUS	Garrott FGS	CANTILEVER	Garrott Solid Ruby
FREQUENCY RESPONSE	20Hz ~ 20KHz +/- 2dB	FREQUENCY RESPONSE	20Hz ~ 20KHz +/- 2dB	DIAMOND STYLUS	Garrott FGS
CHANNEL SERARATION	25dB (typical) at 1KHz	CHANNEL SERARATION	26dB (typical) at 1KHz	FREQUENCY RESPONSE	20Hz ~ 20KHz +/- 2dB
COMPLIANCE VERT/LAT	Approx. 18/18 um/mN	COMPLIANCE VERT/LAT	Approx. 18/18 um/mN	CHANNEL SERARATION	26dB (typical) at 1KHz
OUTPUT VOLTAGE	4mV at 3.54cm/s	OUTPUT VOLTAGE	4mV at 3.54cm/s	COMPLIANCE VERT/LAT	Approx. 18/18 um/mN
TRACKING FORCE	1.5 to 1.8 Grams	TRACKING FORCE	1.7 to 2.0 Grams	OUTPUT VOLTAGE	4mV at 3.54cm/s
INPUT IMPEDENCE	47 k/Ohm	INPUT IMPEDENCE	47 k/Ohm	TRACKING FORCE	1.7 to 2.0 Grams
BODY WEIGHT	5.8 Grams	BODY WEIGHT	5.8 Grams	INPUT IMPEDENCE	47 k/Ohm
				BODY WEIGHT	5.8 Grams