

# VNL

MOVING MAGNET CARTRIDGE

# USERGUIDE

ortofon

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Thank you for choosing the Ortofon Moving Magnet cartridge. At Ortofon we constantly look for new technology to be used in our products, thus we assure the highest level of performance and quality. Reflecting our extensive experience in industrial design and technological know-how, we present the Ortofon VNL cartridge – a model tailored uniquely to the unrelenting demands of modern turntablists and portablists.

## WARNING

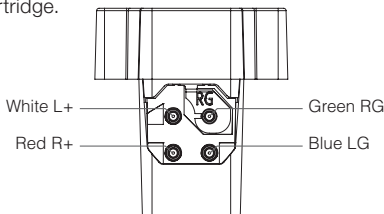
This phono cartridge is only for mounting on tonearms and must not be used for other purposes.

## PLEASE NOTE

To avoid damages on the stylus please keep the stylus guard on the cartridge any time when mounting or dismounting the unit.

## MOUNTING THE VNL CARTRIDGE

1. Remove stylus unit with stylus guard before working with leads and screws. Handle all parts carefully.
2. Please correlate the colour code for the terminals on the drawing with the colour codings on the VNL cartridge.



3. Fasten the VNL cartridge to the headshell using a pair of screws enclosed the packing. Do not tighten the screws completely before the stylus unit has been remounted.
4. Adjust tonearm parallel to record surface, set tracking force acc. to the cartridge's recommended technical data. For best backcueing performance use "0" for antiskating.

For more information please refer to Ortofon DJ FAQ:  
[www.ortofon.com/support/support-dj/faq-setup](http://www.ortofon.com/support/support-dj/faq-setup).

## THE OPTIMUM TRACKING WEIGHT SETTING

Tracking Force Recommended refers to the optimal weight which will result in the best combination of groove holding and sound. Take care not to deviate outside of the Tracking Force Range, as it may result in skipping, poor sound quality, or unnecessary wear on your vinyl.

## STYLUS CARE

- Remove dust carefully from record surfaces by using a fine antistatic brush before every use.

- We do not recommend the use of solvents of any kind for cleaning of either record surface or stylus, as they can weaken the stylus or cause damage to the internal components of the cartridge.
- For cleaning the stylus, use stylus brush a few times along the cantilever in the direction of the stylus tip, whenever you play a new record or change sides. Use the brush in the forward direction from the rear of the cartridge towards the stylus tip and never from stylus tip to the rear of the cartridge and never from side to side.
- Remove dust from the diamond tip before and after playback of each record.
- Make sure to follow setup guidelines as suggested by the specifications found in the manual (or found on our website).

## SPECIFICATIONS

### VNL



Output voltage at 1,000 Hz, 5 cm/sec.	6 mV	6 mV	6 mV
Channel separation 1 kHz	20 dB	20 dB	20 dB
Frequency Response	20 Hz – 20 kHz -2 / +4 dB	20 Hz – 20 kHz -2 / +4 dB	20 Hz – 20 kHz -2 / +4 dB
Tracking ability at 315 Hz at recommended tracking force	100 µm	90 µm	90 µm
Compliance, dynamic lateral	16 µm/mN	15 µm/mN	14 µm/mN
Stylus type	Spherical R 18 µm	Spherical R 18 µm	Spherical R 18 µm
Tracking force range	3 – 5 g	3 – 5 g	3 – 5 g
Tracking force recommended	4 g	4 g	4 g
Internal impedance, DC resistance	700 Ohm	700 Ohm	700 Ohm
Internal inductance	450 mH	450 mH	450 mH
Recommended load resistance	47 kOhm	47 kOhm	47 kOhm
Recommended load capacitance	200 – 600 pF	200 – 600 pF	200 – 600 pF
Cartridge weight including extra weight	6.5 g	6.5 g	6.5 g



Get more information about  
Ortofon DJ cartridges

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