

# ortofon

accuracy in sound

MC CADENZA



Thank you for purchasing an Ortofon Cadenza cartridge. Cadenza (from Italian: meaning cadence) refers to a portion of a concerto in which the orchestra stops playing, leaving the soloist to play alone in free time. At Ortofon we constantly look for new technology to be used in our products and pushing the performance of existing technology. Thus we assure the highest level of performance and quality. And again it is our aim, to bring you many hours of new and surprising experience in listening to your precious collection.

#### Please note

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

#### Warning

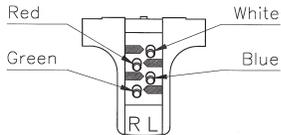
This phono cartridge is only for mounting on tonearms and must not be used for other purposes.

#### Mounting the cartridge

##### Fig. 1. Connecting.

Please correlate the colour code for the terminals on the drawing with the colour codings on the cartridge. The terminals for right and left channel have the same position as normal for Ortofon cartridges. We recommend to mount the enclosed lead wires on cartridge and tonearm before fixing the cartridge. The length of the enclosed lead wires will fit a distance between cartridge and tonearm terminals of 35 mm, which will work with most headshells.

##### Fig. 1



#### Mounting

For mounting the cartridge to the headshell you have 3 pairs of screws at your disposal. For mounting the cartridge to the headshell you have 3 pairs of screws at your disposal. It is of great importance to use the right length of screws when mounting the cartridge. Using too long screws may stop the screws inside the cartridge resulting in insufficient mounting in the headshell. The choice of screw length is depending on the thickness of the headshell, and a maximum of 3 mm free screw length under the headshell: For headshells up to 2 mm use 3 mm screws. For headshells between 2 mm and 3.5 mm use the 5 mm screws from the packing. For headshells between 3.5 mm and 5 mm use the 6 mm screws. Mount the cartridge loosely to the headshell at this moment.

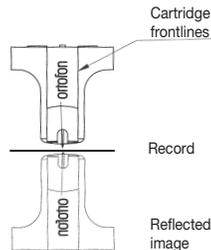
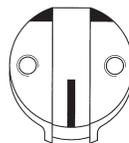
#### Fig. 2 Azimuth adjustment

With the Ortofon Cadenza cartridge it is possible to adjust azimuth, even when the cartridge is mounted in tonearms with fixed headshell.

The adjustment is very important for achieving maximum channel separation and may be necessary when the cartridge for some reason is not perpendicular to the record surface.

Because of the little rise on the clamping plate between the screw holes, you can tilt the cartridge approx. 2 degrees, when you fasten or unscrew either of the screws.

#### Fig. 2



Correct azimuth is then established by observing the reflected image of the 2 parallel cartridge frontlines, in the record surface. The cartridge frontlines must form a straight line with the reflected lines. Do not over-tighten the screws when adjusted. The tonearm must be parallel with the record surface at recommended tracking force.

#### Connection to amplifier

For amplifiers only having MM-input sockets, we recommend to use one of the Ortofon MC transformers.

Regardless which amplifier there is been used, be sure that the amplifier will take up to 25 mV in the MM-input socket

#### Antiskating and stylus care

For the Cadenza stylus types just set normal antiskating, according to recommended tracking force.

#### Stylus care

Ortofon do not recommend the use of solvents of any kind for cleaning of either record surface or stylus.

If necessary, records may be washed in handwarm demineralised water with a dash of sulphonic soap.

Clean record surface carefully from dust by using fine antistatic brush or cloth before every use.

The use of solvents on stylus and cantilever may damage stylus cement and interior parts of the cartridge can be affected seriously by the intrusion of solvents.

The Ortofon warranty will not be valid in cases where such treatment has caused malfunction.

For cleaning the stylus, use the enclosed fibre brush several times along the cantilever in the direction of the stylus, whenever you play. This will take all normal dust and most of the sticky release agent from new records. A new stylus protection guard can be purchased on the Ortofon webshop [www.ortofon-shop.com](http://www.ortofon-shop.com).

#### Ortofon exchange service

Ortofon offers, through its dealers, an Exchange service, please contact your dealer if you need this service.

Ortofon also offers Special Repair service for the Cadenza Series cartridges, please contact your local Ortofon Authorised dealer if you need this service.

## Technical Data

	Mono	Red	Blue	Bronze	Black
Output voltage at 1 kHz 5 cm/sec	450 $\mu$ V	450 $\mu$ V	500 $\mu$ V	400 $\mu$ V	330 $\mu$ V
Channel balance		< 1,5 dB	< 1,2 dB	< 1 dB	< 0,8 dB
Channel separation at 1 kHz		> 23 dB	> 23 dB	> 24 dB	> 27 dB
Channel separation at 15 kHz		> 15 dB	> 15 dB	> 20 dB	> 20 dB
Frequency response 20 Hz - 20 kHz	+3/-1	+3/-1	+2/-1	$\pm$ 1,5	+1,5/0
Tracking ability at 315 Hz at recommended tracking force *)	70 $\mu$ m	80 $\mu$ m	80 $\mu$ m	80 $\mu$ m	90 $\mu$ m
Compliance, dynamic, lateral	12 $\mu$ m/mN	12 $\mu$ m/mN	12 $\mu$ m/mN	12 $\mu$ m/mN	16 $\mu$ m/mN
Stylus type	Nude fine line Al. cantilever	Nude fine line Al. cantilever	Nude FG 70 Ruby cantilever	Nude Ortofon Replicant Conical alu.	Nude Shibata Boron cantilever
Stylus tip radius	r/R 8/40	r/R 8/40	r/R 6/70	r/R 5/100	r/R 6/50
Tracking force range	2,2-2,7 g (22-27 mN)	2,2-2,7 g (22-27 mN)	2,2-2,7 g (22-27 mN)	2,2-2,7 g (22-27 mN)	2,0-2,5 g (20-25 mN)
Tracking force recommended	2,5 g (25 mN)	2,5 g (25 mN)	2,5 g (25 mN)	2,5 g (25 mN)	2,3 g (23 mN)
Tracking angle	20°	20°	20°	23°	20°
Internal impedance, DC resistance	5 Ohm	5 Ohm	5 Ohm	5 Ohm	5 Ohm
Recommended load impedance	50-500 Ohm	50-500 Ohm	50-200 Ohm	50-200 Ohm	>10 Ohm
Cartridge body material	Stainless steel Aluminium	Stainless steel Aluminium	Stainless steel Aluminium	Stainless steel Aluminium	Stainless steel Aluminium
Cartridge colour	Natural/Black	Red/Black	Blue/Black	Bronze/Black	Black/Black
Cartridge weight	10,7 g	10,7 g	10,7 g	10,7 g	10,7 g

\*) Typical value



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