

New model information

DL-A100

Stereo Cartridge

DENON

**Special edition of stereo cartridge
celebrating our 100th anniversary**

100
Anniversary
since 1910



A Parallel Evolution.

The production of Denon cartridges began in 1941 when Denon began to develop cartridges for use at broadcast stations. Since then, cartridges of superior quality have been produced alongside the evolution of the record, and in 1961 Denon jointly produced the DL-103 with NHK, Japan's national broadcaster, for use at FM stations. The DL-103 was able to play stereo LP records with high fidelity and reliability (providing easy handling and stability). Though the DL-103 was sold as a product for professional use, Hi-Fi audio enthusiasts felt such superior performance should not be limited to the realm of professionals, and in 1970 Denon made the DL-103 available to the general market.

The basic design of this model continues to achieve first-rate performance and play an active part in today's world. The DL-A100 is an anniversary model that has been recreated to celebrate 100 years of an engineering sample that was a unique and closely held secret at the time the DL-103 was developed. The DL-A100 represents the standard model that has been in production for a little less than a half century—now reborn with the latest tuning for your enjoyment.

The Signatures of Quality.

The DL-A100 features the 100th anniversary special case, and comes with a 5-year warranty and a signed certificate of authenticity from the chief production engineer who hand crafted the product. Also included is a beautiful Denon "brand book" that explores the history of one of the leading names in the audio-visual field.



Special Edition 100th Anniversary Series



High quality audio

• Independent 2ch Moving Coils

The DP-A100 employs independent 2-channel moving coil cartridges to facilitate playback over a wide frequency range from low- to high-level signals. Superior playback performance is also possible due to the flat frequency response and minimal left-right sensitivity (level) differences.

• Fulcrum point of vibrating system that achieves stable tracking

The fulcrum point of the DP-A100's vibrating system is made of extremely fine piano wire, and the tip of the stylus tracks smoothly in the groove of the record.

• Dual-structure cantilever

The DP-A100 uses a lightweight yet rigid dual-structure cantilever. Superior frequency response over the entire audible frequency range is achieved by minimising the mechanical impedance of the vibrating system.

• Long-lasting solid diamond stylus

Since the tip of the DP-A100's stylus uses a solid diamond, stable characteristics with negligible friction are maintained for a long time. In fact, each diamond is individually fitted into the stylus so that the hardest section – where the diamond has crystallised – touches the wall of the groove.

• Cross-shaped iron core and coils, to minimise sensitivity differences between channels

Wrapping separate coils on the cross-shaped iron core has successfully minimised sensitivity differences between the left and right channels while reducing mass.

• Characteristics chart packed with each product as a guarantee of superior performance

Each individual DP-A100 has been carefully manufactured and packed with its own characteristics chart to guarantee superior performance.



Main Specifications DL-A100

Principle	Moving coil (MC) type
Output Voltage	0.3 mV (1 kHz, 50 mm/s horizontal direction)
Channel Balance	1 dB max. (1 kHz)
Channel Separation	25 dB min. (1 kHz)
Electrical Impedance	40 ohms \pm 20 %
Compliance	5×10^{-6} m/N (Using a 100 Hz record)
Stylus	0.2 mm square solid diamond
Tracking Force	25 mN \pm 3 mN (2.5 g \pm 0.3 g)
Frequency Response	20 Hz to 45 kHz
Weight	8.8 g
Load Impedance	100 ohms min. (40 ohms when using a transformer)

*Design and specifications are subject to change without notice.

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