

ONE-OF-A-KIND. RM 510



RIBBON SOUND FOR LIVE VOCALS, WIRELESS

beyerdynamic)))

RIBBON SOUND FOR LIVE VOCALS, WIRELESS.



Based on more than 50 years of experience in handcrafted ribbon microphones, in many respects the RM 510 is unique: A sophisticated sound channelling technology provides the capsule with its cardioid polar pattern making the RM 510 the very first ribbon capsule perfect for use on stage with wireless microphone systems.

The capsule's treble resonator delivers the rich high-frequency reproduction typical of all beyerdynamic ribbon microphones, but also serves to protect against damage caused by plosive sounds. A cut in the 6.5 kHz range effectively suppresses sibilant sounds and supports the well-balanced and unobtrusive sound of the RM 510. The ultra-light, barely 3 micrometre thick aluminium ribbon delivers perfect frequency response and excellent transient behaviour.

The stainless steel mesh basket with multilayer metal gauze is easy to clean and provides excellent protection against "plosives". Its design delivers significantly improved rear attenuation resulting in better feedback suppression.

Compared to other ribbon microphones the RM 510's ruggedized design is highly suitable for on-stage use.



The Original
M 500

The RM 510's forerunner is the legendary M 500 ribbon microphone, famous during the 70s and 80s. The lineage is especially noticeable by the original, elegant design of the housing, stainless steel mesh basket with multilayer metal gauze, and the use of robust, high quality materials throughout. This combination of delicate engineering and precision build quality provides a new standard to ribbon microphones for ruggedness and reliability on stage.

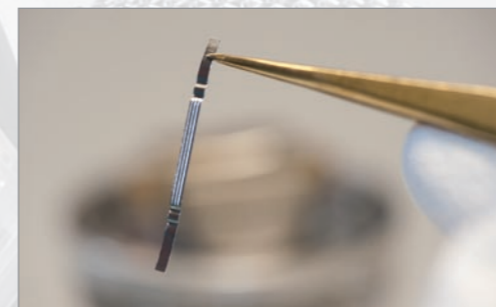
DEVELOPED AND HANDMADE IN GERMANY.



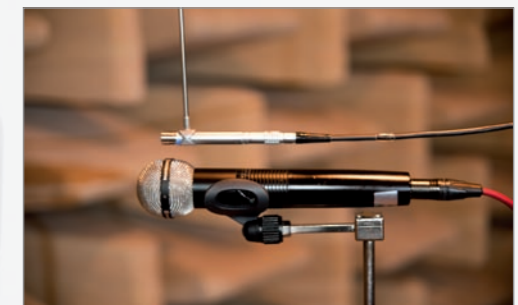
In keeping with beyerdynamic's manufacturing philosophy, every RM 510 wireless microphone capsule is handmade in Germany.



The capsule's treble resonator delivers rich high-frequency reproduction and also serves to protect against "plosives." By employing a sound labyrinth on the rear of the diaphragm and using an advanced acoustic fabric, beyerdynamic has succeeded in improving not only the sound characteristics but also the technical specifications of the RM 510.



The 3D-embossed, ultra-light aluminium ribbons deliver perfect frequency response and excellent transient behaviour.



Every RM 510 ribbon cartridge is acoustically measured and quality-proven before leaving the beyerdynamic manufacturing in Heilbronn. The individual print-out of the amplitude response is delivered with every model.



SRM 510-6: RM 510 capsule with S 600 transmitter.



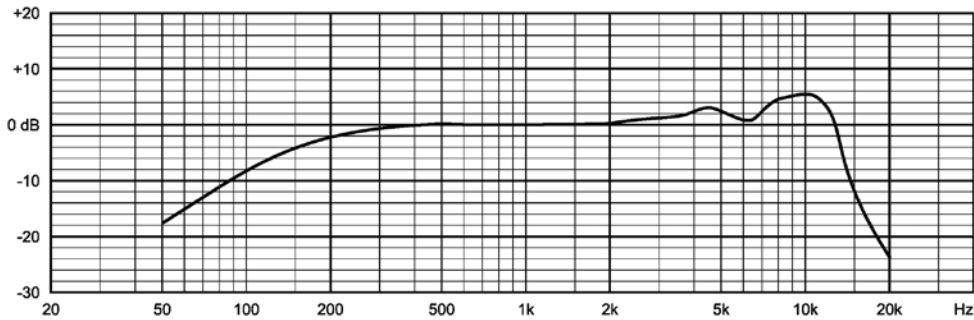
SRM 510-9: RM 510 capsule with S 900 M transmitter.

The RM 510 interchangeable microphone capsule is available for beyerdynamic's Opus 600 and Opus 9** wireless systems.

For more information about Opus 600 and Opus 9** wireless systems please visit our website www.beyerdynamic.com.

TECHNICAL SPECIFICATIONS

- Transducer Type Dynamic
- Operating Principle Pressure gradient
- Membrane Pure Aluminium
- Frequency Response:
 - Close miking 50 - 15,000 Hz
 - Distant miking 90 - 14,000 Hz (measured at 1 metre)
- Polar Pattern Cardioid
- Rear Attenuation at 1 kHz. ≈ 18 dB at 180°
- Open Circuit Voltage
 - at 1 kHz (0 dB = 1 V/Pa) 2.5 mV/Pa = -52 dBV



beyerdynamic GmbH & Co. KG
 Theresienstr. 8
 74072 Heilbronn - Germany
 Phone +49 (0) 71 31 / 6 17 - 4 40
 Fax +49 (0) 71 31 / 6 17 - 2 99
proaudio@beyerdynamic.com
www.beyerdynamic.com