



DISCOVER

The Freedom of Sound



Introducing the latest large diaphragm, multi-pattern studio microphone from Neumann: the TLM 107.

Classic proportions combined with attractive styling and fresh ideas – the TLM 107 perfectly embodies the Neumann philosophy: Innovation based on tradition. Far from evoking vintage or retro nostalgia, the standard-setting TLM 107 represents an impressive, modern studio microphone. Its extensive performance spectrum and high-precision reproduction make the TLM 107 universally applicable, opening up previously unknown possibilities in mixing and post-production.

Multi-faceted versatility, no-compromise sound and innovative operation: With five directional characteristics and a novel operating concept, this standard-setting large-diaphragm microphone provides sound without any coloration. Featuring equally impressive level stability and low self-noise, it captures everything from the softest whisper to thundering drums. The TLM 107 is equally at home in studio, broadcasting and demanding home recording applications.

DESIGNING A NEW CAPSULE

The newly developed sound transducer, which was designed especially for this microphone, is impressive with its outstanding impulse fidelity. The TLM 107 ensures maximum precision over the entire frequency range for all five polar patterns (omni, wide cardioid, cardioid, hypercardioid and figure-8). The sound always remains balanced, with an almost linear reproduction up to 8 kHz, and a very slight boost (not as pronounced as in other

Neumann mics) in the highest frequencies that lends presence and freshness to the voice without 'hype'. Particular attention has been paid to the natural reproduction of speech sounds, especially the critical "s" sound. Even the grille has been acoustically optimized for low sensitivity to pop sounds. In addition, the sound transducer is edge-terminated, with both diaphragms at ground voltage, ensuring considerably reduced sensitivity to dust and humidity.

NO-COMPROMISE SOUND DESIGN

Transformerless circuitry permits a high degree of linearity and a large dynamic range. The self-noise of only 10 dB-A is practically inaudible, while at the same time, the TLM 107 features high level stability. The maximum sound pressure level of 141 dB SPL can be increased to 153 dB SPL via multi-stage pre-attenuation (Pad). This enables the TLM 107 to transmit the sound of even the loudest instruments without distortion. The Low Cut settings of Linear, 40 Hz, and 100 Hz are precisely adapted to practical recording situations. Without side effects, the 40 Hz setting cuts interference noise below the range of fundamental tones (with 41 Hz being the frequency of the double bass open E string), while the 100 Hz setting is optimized for speech and vocals (with 100 Hz corresponding to the lowest notes of a baritone).

INNOVATIVE OPERATING CONCEPT

For the first time, all of the microphone switch functions are controlled intuitively via a navigation switch. A visual highlight is the illuminated pattern display in the chrome ring, while the Pad and Low Cut status is displayed by LEDs to the left and

right of the switch. In order to not distract singers, the switch and display are located on the back of the microphone. Use the wear-resistant toggle switch to click left to control the pad, right to control the roll-off and up/down to control the polar pattern selection. After 15 seconds, the display fades off automatically. But, unlike some other microphones on the market, the TLM 107 will remember your settings even if phantom power is disconnected.



DELIVERY

The TLM 107 is available in nickel and black. A stand mount (SG 2) is included. The optional shockmount, the EA 4, is also available. The TLM 107 sells for \$1699.95, making it the most affordable multi-pattern microphone from Neumann.



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