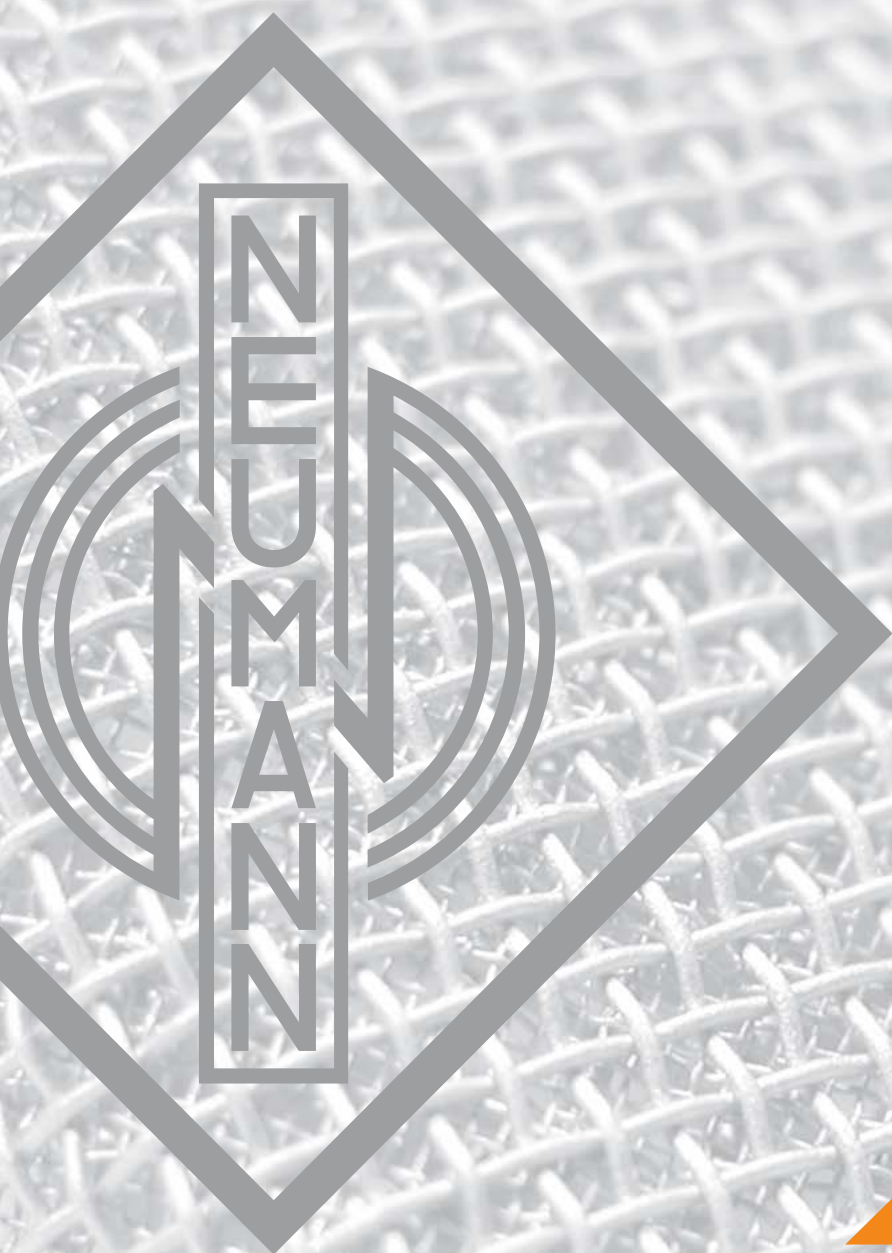


# KK 104/105 S

- ▶ **Capsule Heads  
for Sennheiser  
SKM 5200/SKM 5000 N\*  
Wireless Systems**



[www.neumann.com](http://www.neumann.com)



Combining the Neumann KK 104/105 S capsule heads with the Sennheiser SKM 5200/SKM 5000 N\* Wireless System thrusts the legendary Neumann sound into the wireless domain, thus opening up new dimensions in sound for sophisticated live-performance engineering.

## Neumann KK 104/105 S Capsule Heads for Sennheiser SKM 5200/SKM 5000 N\* Wireless Systems

In terms of engineering, the KK 104/105 S are based on the KMS 105, 140, and 150 family of wired vocalist microphones.

They inherit not only their outstanding tonal characteristics and specifications but also their sturdiness and efficiency

in suppressing popping and handling noise.

The Sennheiser SKM 5200 and SKM 5000 N handheld transmitter are advanced versions of the SKM 5000\*, optimized for the Neumann capsule heads, and ensuring reliable, interference-free, high-quality transmission of the capsule signal to the corresponding Sennheiser receiver.

The capsule and handheld transmitter are available with the typical Neumann nickel-colored finish and in black. The KK 104/105 S package includes a spacious, roadworthy nylon



### Delivery Range

for Sennheiser SKM 5200 and SKM 5000 N\* Wireless Systems:

KK 104 S (bk) Capsule head,  
Padded nylon bag

KK 105 S (bk) Capsule head,  
Padded nylon bag

KK 105 HD (bk) Capsule head,  
Padded nylon bag

### Catalog No.

KK 104 S .....	ni.....	008534
KK 104 S bk .....	blk.....	008533
KK 105 S .....	ni.....	008474
KK 105 S bk .....	blk.....	008476
KK 105 HD .....	ni.....	008559
KK 105 HD bk.....	blk.....	008560

### Selection of Accessories

Windscreen, WSS 100 ..... blk..... 007352

Meaning of color codes:  
blk = black, ni = nickel

### Features

- Neumann capsule head engineering expands with Sennheiser liveperformance engineering
- Cardioid (KK 104 S) and Supercardioid (KK 105 S) characteristic
- Low susceptibility to handling noise
- Built-in, highly effective suppression of popping noises
- Easy dismantling for cleaning
- Pure, open, and neutral sound transmission

### Application Hints

- Vocals and speech on stage
- Especially suited for in-ear-monitoring
- Especially suitable with front-of-stage monitor systems
- For feedback-prone environment

These are just some of the most common applications. We recommend additional experimentation to gain maximum use from this microphone.



pouch big enough to hold not only the capsule, but the transmitter, battery packs, and additional accessories as well.

These product components are a dream come true for countless customers, who time and again demanded a wireless variant of the successful Neumann KMS 104/105 vocalist microphones. Simultaneously, this combination unites the core areas of competence of two established global players and market leaders: Neumann – the world’s leading manufacturer of condenser microphones, and Sennheiser – the market leader with years of experience in the area of high-quality wireless systems.



\* Also all existing Sennheiser SKM 5000 handheld transmitters can be upgraded with the Neumann KK 104 S and KK 105 S capsule heads. Still, to take full advantage of the acoustical properties of these heads it is recommended to utilize the SKM 5200 or SKM 5000 N.

\*\* “Heavy duty” variant with integrated foam popscreen instead of wire mesh for even better plosive attenuation. In addition, foam material provides a very large surface area and can therefore absorb moisture very well.

## Technical Data KK 104/105 S (incl. SKM 5200/SKM 5000 N)

Directional pattern .....	Cardioid/Supercardioid	Frequency range .....	450–960 MHz
Frequency range .....	80 Hz..20 kHz	Switching bandwidth .....	24 MHz
Sensitivity at 1 kHz into 1 kohms .....	1.7/1.3 mV/Pa ± 1 dB	Transmitter frequencies .....	16
Equivalent noise level, CCIR <sup>1)</sup> .....	42/44 dB	RF-output .....	50 mW (–3 dB)
Equivalent noise level, A-weighted <sup>1)</sup> .....	31/33 dB-A	Noise suppression system .....	Sennheiser “HiDyn <sup>plus</sup> ™”
Max. SPL for 0.5% THD <sup>2)</sup> .....	148/150 dB	Weight (incl. transmitter + power supply unit) .....	approx. 325 g
Max. SPL for 3% THD <sup>2)</sup> .....	153/155 dB	Dimensions (+ transmitter) .....	length: 257 mm, Ø 48 mm
Dynamic range (A-weighted) .....	>117 dB-A		

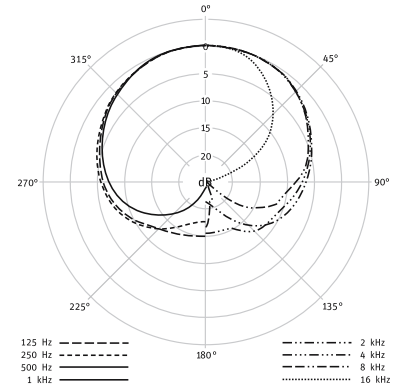
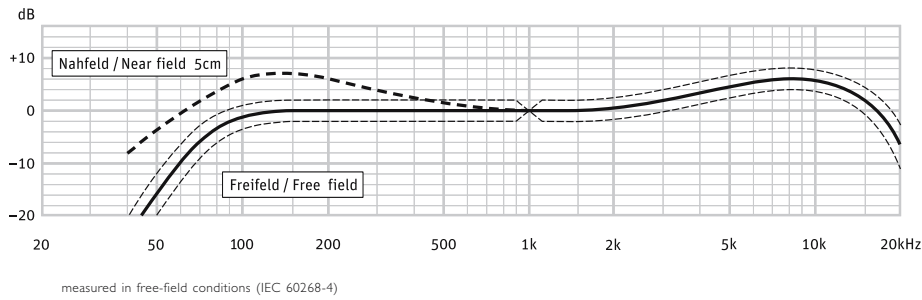
<sup>1)</sup> according to IEC 60268-1; CCIR-weighting according to CCIR 468-3, quasi peak; A-weighting according to IEC 61672-1, RMS    <sup>2)</sup> measured as equivalent el. input signal



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## KK 104 S



## KK 105 S (HD)

