Neumann KK 104 A & KK 105 A

Neumann unveils the KK 104 A and KK 105 A, premium condenser capsule heads for Sennheiser wireless systems that bring Neumann’s legendary sound quality to today's most advanced wireless platforms. Building on the success of the acclaimed KK 204 and KK 205, the new A-Series capsules combine proven condenser technology with an updated design, reduced handling noise, and seamless compatibility with the latest Sennheiser wireless ecosystems.

Designed for Sennheiser Spectera, EW-D, EW-DX, and Digital 6000/9000 handheld transmitters, the KK 104 A and KK 105 A give performers and engineers access to the same remarkable clarity, detail, and natural vocal reproduction that have made Neumann microphones the preferred choice in world class studios and on prestigious stages around the globe.

“The KK 204 and KK 205 set a new standard for wireless vocal performance by bringing true condenser sound to the stage,” says Stephan Mauer, Director Product Management at Neumann. “With the KK 104 A and KK 105 A, we've pushed that concept even further. These new capsule heads are optimized for today's wireless workflows while preserving the unmistakable Neumann character that artists and engineers trust to deliver their best performances.”

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The KK 104 A and KK 105 A bring the sonic precision of Neumann's acclaimed KMS stage microphones to the wireless world. Unlike conventional dynamic capsules, both models employ true condenser technology, delivering exceptional transparency, fast transient response, and a level of vocal detail that captures every nuance of a performance. The result is a sound that feels immediate, open, and effortlessly natural, allowing vocals to rise above dense mixes while preserving every nuance of the performance. At the same time, their consistent, frequency-independent directionality offers excellent feedback resistance, rivaling the best dynamic capsules.

Both capsule heads feature outstanding pop protection, excellent handling noise rejection, exceptional SPL capability, and impressive gain before feedback. Their smooth, balanced frequency response allows engineers to achieve polished vocal mixes with minimal processing while preserving clarity and effortless intelligibility.

Engineered for modern stage performance, the KK 104 A and KK 105 A include a fixed low cut filter that controls proximity effect during close mic use, ensuring consistent low frequency reproduction. A hardened steel grille with an integrated pop screen protects the capsule from moisture and helps reduce plosives and sibilance under demanding live conditions.

While sharing the same premium condenser technology, the KK 104 A and KK 105 A offer different pickup patterns to cater to performers of every type. The KK 104 A features a cardioid polar pattern that combines excellent feedback resistance with greater freedom of movement. Its slightly more open pickup characteristic creates a natural, spacious sound that inspires expressive vocalists.

The KK 105 A utilizes a supercardioid pickup pattern for maximum isolation and control. By focusing more tightly on the source and rejecting off axis sound more effectively, it delivers an intimate, highly defined vocal presentation that excels on crowded stages and in challenging monitoring environments.

“Choosing between the KK 104 A and KK 105 A is about matching the microphone to the performer and the stage,” says Jorma Marquardt, Product Manager Recording & Audio Production at Neumann. “Both capsule heads deliver the unmistakable detail and musicality of a Neumann condenser microphone, giving artists the confidence to perform at their highest level.”

Ready for the World's Biggest Productions

Neumann wireless capsule heads have earned the trust of engineers and performers at major concert tours, landmark broadcast productions, and internationally televised events around the world. The new KK 104 A and KK 105 A continue that legacy while bringing full compatibility with Sennheiser's newest wireless platforms, including Spectera. “Combining Neumann’s A-Series capsules with Sennheiser’s groundbreaking Spectera system is a match made in heaven for quality-conscious customers,” states Stephan Mauer. “They’re the premium choice for the best wireless system.”

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Whether used with in ear monitoring systems or traditional stage wedges, both capsule heads deliver outstanding vocal presence, exceptional gain before feedback, and the consistency professionals demand night after night.

Key Features

- Neumann condenser sound for Sennheiser Spectera, EW-D, EW-DX, and Digital 6000/9000
- Available in cardioid (KK 104 A) and supercardioid (KK 105 A) versions
- Transparent, detailed vocal reproduction
- High feedback resistance
- Excellent rejection of rearward sound
- Integrated shock mount and pop protection
- Reduced handling noise
- Outstanding SPL capability
- Easy cleaning and maintenance
- Available in nickel and black finishes

The KK 104 A and KK 105 A capsule heads were showcased alongside Sennheiser's Spectera SKM handheld transmitter at IBC 2026. Customer availability is planned for late September 2026.

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