


Lends strong voices a strong sound – the 500 series vocal set ensures brilliant sound, even during quiet tones.

This means that professional soul and rock voices sound as perfectly nuanced as classical singing voices. Experienced sound engineers rely on this set, especially for large stages and unusual live events.

Pros can select from three different microphone heads with cardioid and supercardioid directional patterns.



- Sturdy metal housing
- PC-supported frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Wireless microphone with a quick-change microphone head from the  900 Series
- Large range of replaceable microphone heads from the successful evolution Series
- **NEW:** Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer – this delivers a good overview of monitoring and professional data management for multi-channel systems
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank with up to 32 compatible frequencies
- **NEW:** 42 MHz bandwidth → 1680 switchable frequencies
- **NEW:** Increased range for audio sensitivity
- **NEW:** Large, illuminated dot matrix display with warning indicator
- **NEW:** More control options (menu)
- **NEW:** Enhanced AF frequency range
- **NEW:** Switchable RF output power
- **NEW:** Contacts for recharging the BA 2015 accupack directly in the transmitter
- Soundcheck mode
- Integrated equalizer
- 2 AA batteries for more than 8 hours of use
- 4-level charge indicator for transmitter battery
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- Incl. installation kit for 19" rack mounting (1 U)

Technical Data



ew 500-935 / 945 / 965

ew 500

Modulation	wideband FM
Frequency ranges	516-558, 566-608, 626-668, 734-776, 780-822, 823-865
Transmission/Receiving frequencies	20 channel banks, 6 fixed banks, 32 factory preset channels each
Switching bandwidth	42 MHz
Noise reduction system	Sennheiser HDX
AF frequency response	25 – 18.000 Hz
S/N ratio (at 1mV and peak deviation)	≥ 115 dBA
THD (at nominal deviation and 1 kHz)	≤ 0,9 %

EM 500

Receiver principle	True Diversity
Sensitivity (with HDX, peak deviation)	<2 μ V at 52 dBA _{eff} S/N
Adjacent channel rejection	≥ 75 dB
Intermodulation attenuation	≥ 70 dB
Blocking	≥ 75 dB
Pilot-tone squelch	detachable
Antenna inputs	5 BNC sockets
AF output voltage (at peak deviation, 1kHz AF)	1/4" (6.3 mm) jack socket, unbalanced: +12 dBu XLR socket, balanced: +18 dBu
Power supply	12 V DC
Dimensions	202 x 212 x 43 mm (7.95" x 8.35" x 1.69")
Weight	approx. 980 g (2.16 lbs)

SKM 500

RF output power at 50 Ω	typ. 30/10mW, switchable
AF frequency response	80 – 18.000 Hz
Power supply	2 AA batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	typ. 8h
Dimensions	Ø 50 x 265 mm (Ø 1.97" x 10.43")
Weight	approx. 450 g (15.87 oz)

Delivery includes

- EM 500 rack-mount receiver
- SKM 500 handheld transmitter
- MZQ 1 microphone clip
- GA 3 rackmount adapter

For recommended accessories please visit www.sennheiser.com