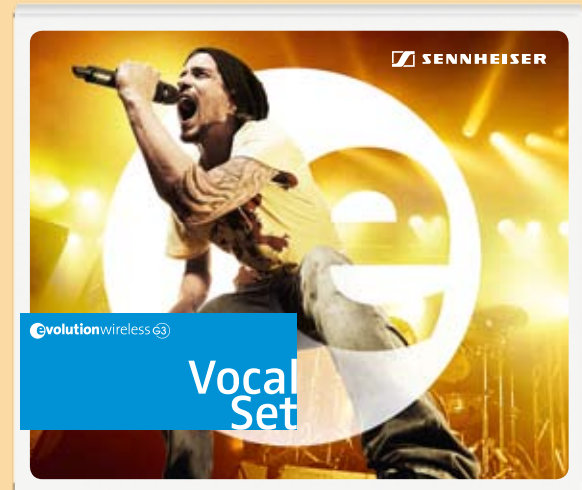


Gone are the days when a singer had to shout into the microphone to be heard over the drums and instruments.

The vocal set of the 100 series is absolutely penetrative, placing every lead singer exactly where he is supposed to be: right in front! In the process, the microphone delivers the full, first-rate live sound that Sennheiser is known for.

You can choose from three dynamic microphone heads with cardioid or supercardioid pick-up patterns from the renowned wired evolution 800 microphone Series.



- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Wireless microphone with a quick-change microphone head from the e 800 Series
- Large range of replaceable microphone heads from the successful evolution Series
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank management with up to 12 compatible frequencies per bank
- **NEW:** 42 MHz bandwidth → 1680 switchable frequencies
- **NEW:** Increased range for audio sensitivity
- **NEW:** Easy-to-read illuminated dot matrix display
- **NEW:** 4-level charge indicator for transmitter battery
- **NEW:** More control options (menu)
- **NEW:** Enhanced AF frequency range
- **NEW:** Soundcheck mode
- **NEW:** Integrated equalizer
- **NEW:** Contacts for recharging the BA 2015 accupack directly in the transmitter
- 2 AA batteries for more than 8 hours of use
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- High RF output power for large range
- Suitable for 19" rack mounting (1 U)

Technical Data



ew 135 / 145 / 165 ^{ES}

ew 100 ^{ES}

Modulation	wideband FM
Frequency ranges	516-558, 566-608, 626-668, 734-776, 780-822, 823-865
Transmission/Receiving frequencies	20 channel banks, 1 fixed bank, 12 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)	≥ 110 dBA
THD (at nominal deviation and 1 kHz)	≤ 0,9 %

EM 100 ^{ES}

Receiver principle	True Diversity
Sensitivity (with HDX, peak deviation)	<2,5 μ V at 52 dBA _{eff} S/N
Adjacent channel rejection	65 dB
Intermodulation attenuation	65 dB
Blocking	70 dB
Pilot-tone squelch	detachable
Antenna inputs	2 BNC sockets
AF output voltage (at peak deviation, 1kHz AF)	1/4" (6.3 mm) jack socket, unbalanced: +12dBu XLR socket, balanced: +18 dBu
Power supply	12 V DC
Dimensions	190 x 212 x 43 mm (7.48" x 8.35" x 1.69")
Weight	approx. 900 g (1.99 lbs)

SKM 100 ^{ES}

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

Delivery includes

- EM 100 ^{ES} rack-mount receiver
- SKM 100 ^{ES} handheld transmitter
- MZQ 1 microphone clip

For recommended accessories please visit www.sennheiser.com