

Vocal Set 100 Series




RF Wireless Systems | evolution wireless 

General Description

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 super-cardioid pick-up patterns from the renowned wired evolution 800 microphone Series.



Features

- 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  800 Series
 - Large range of replaceable microphone heads from the successful evolution Series
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- 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)
 - Delivery includes: EM 100  rack-mount receiver
SKM 100  handheld transmitter
MZQ 1 microphone clip

Technical Data

ew 100

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 response25 – 18,000 Hz
 S/N ratio (at 1mV and peak deviation) ≥ 110 dBA
 THD (at nominal deviation and 1 kHz) ≤ 0.9 %

EM 100

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 inputs2 BNC sockets
 AF output voltage (at peak
 deviation, 1 kHz AF).....1/4" (6.3 mm) jack socket,
 unbalanced: +12 dBu XLR socket,
 balanced: +18 dBu
 Power supply12 V DC
 Dimensions190 x 212 x 43 mm
 (7.48" x 8.35" x 1.69")
 Weight approx. 900 g (1.99 lbs)

SKM 100

RF output power at 50 Ω typ. 30 mW
 AF frequency response.....80 – 18,000 Hz
 Power supply..... 2 AA batteries, 1.5 V
 Nominal voltage2.4 V
 Operating timetyp. 8 h
 Dimensions \emptyset 50 x 265 mm (\emptyset 1.97" x 10.43")
 Weightapprox. 450 g (15.87 oz)