
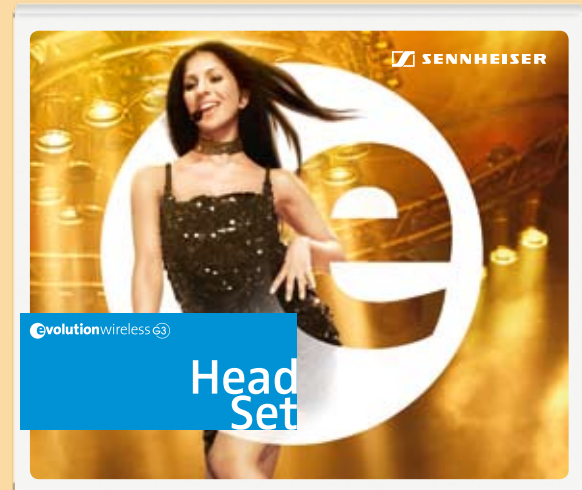


Regardless of whether singer, dancer or fitness trainer – those who want to move across the entire stage while keeping their hands free during a performance will love the  HeadSet.

On the one hand, the condenser headset microphone is ultra-light – so light, in fact, that you will forget you're wearing it during the show.

And on the other, it supplies a powerful sound, making it able to reach the very last row in crystal-clear quality.



- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Programmable MUTE switch
- Headset microphone with optimized acoustics
- **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 152

## 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 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

Receiver principle	True Diversity
Sensitivity (with HDX, peak deviation)	<2,5 $\mu$ V at 52 dBA <sub>eff</sub> 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: +12 dBu 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)

## SK 100

RF output power at 50	typ. 30 mW
AF frequency response	25 – 18.000 Hz (Line) 80 – 18.000 Hz (Mic)
Max input voltage transmitter / line	3 V <sub>eff</sub>
Input impedance transmitter / line	40 k $\Omega$ , unbalanced / 1 M $\Omega$
Power supply	2 AA batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	typ. 8h
Dimensions	82 x 64 x 24 mm (3.23" x 2.52" x 0.94")
Weight	approx. 160 g (5.64 oz)

## ME 3-ew

Transducer principle	condenser
Sensitivity	1.6 mV/Pa
Pick-up pattern	cardioid
Max. SPL	150 dB SPL

## Delivery includes

- EM 100 rack-mount receiver
- SK 100 handheld transmitter
- ME 3-ew headset microphone

For recommended accessories please visit [www.sennheiser.com](http://www.sennheiser.com)