

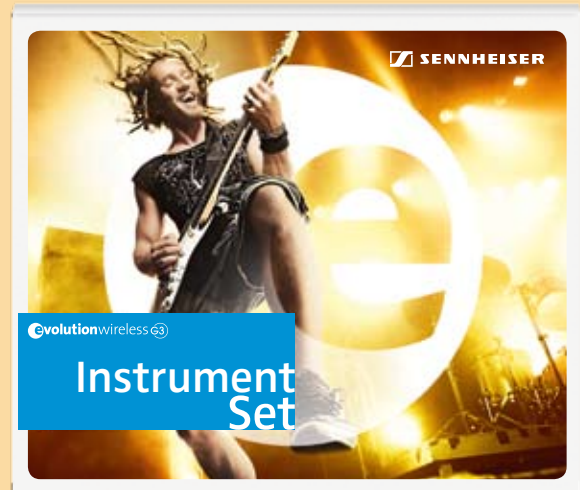


Who says a guitarist always has to stand in one place? The instrument set of the evolution wireless  100 series liberates you from annoying cables – placing the entire stage at your disposal as a creative area for your performance.

The ultra-light bodypack transmitter can be attached inconspicuously to your belt or guitar strap. The clearly designed dot matrix display intuitively leads you through the control menu, and can always be easily read – even in difficult lighting conditions.

A brand-new feature of the : the guitar tuner, integrated directly into the receiver, makes the instrument's tuning device unnecessary.



- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Integrated guitar tuner
- Programmable MUTE switch
- **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 172 

## 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 Ohm	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. 8 h
Dimensions	82 x 64 x 25 mm (3.23" x 2.52" x 0.94")
Weight	approx. 160 g (5.64 oz)

## Delivery includes

- EM 100  rack-mount receiver
- SK 100  bodypack transmitter
- Ci 1 Instrument cable

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