

Wireless sound transmission has become the standard for a professional live performance.

The evolution wireless 500 Series Instrument Set not only frees you from cables – its flexibility, sturdiness and lightness all set absolutely professional standards. The ultra-light bodypack transmitter can be attached inconspicuously to a belt or guitar strap. The clear dot matrix display leads you intuitively through the control menu, and can be easily read – even under difficult lighting conditions.

A brand-new feature of 500: a guitar tuner that is extremely practical, as it's integrated directly into the receiver – and makes a tuning device for guitar and e-bass unnecessary!



- Sturdy metal housing (transmitter & receiver)
- PC-supported frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Integrated guitar tuner
- Programmable MUTE switch
- **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 24 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
- Soundcheck mode
- Integrated equalizer
- 2 AA batteries for more than 8 hours of use
- 4-level charge indicator for transmitter battery
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- Incl. installation kit for 19" rack mounting (1 U)

Technical Data



ew 572

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 µV 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)	¼" (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)

SK 500

RF output power at 50 Ω	typ. 30/10mW, switchable
AF frequency response	25 – 18.000 Hz (Line) 80 – 18.000 Hz (Mic)
Max. input voltage transmitter	3 V _{eff}
Input impedance transmitter	40 kΩ, unbalanced / 1 MΩ
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)

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