

SK 2000 Bodypack Transmitter

FEATURES

- 20 fixed frequency banks with up to 64 compatible presets in up to 75 MHz switching bandwidth and 6 user banks
- Switchable RF output power: 10, 30, 50 and 100 mW (XP only) to further increase distance range and multi-channel capability
- External charging contacts for recharging BA 2015 in the transmitter
- Input sensitivity range of 60 dB can be adjusted in 3 dB steps
- Transmitters can be configured in the receiver menu and can be synchronized via the infrared interface
- Enhanced AF frequency response especially for bass guitar (25....18000 Hz)

This lightweight yet extremely rugged bodypack transmitter is a delight for both the musician and the audience. With an AF frequency response of 18 to 20,000 Hz, it transmits even the sound of a bass guitar with rich fundamentals. Three RF output powers (four inclusive the US version) provide longer transmission ranges or more channels per frequency range. The rechargeable batteries of the SK 2000 (optional) can be charged right in the unit using the external charging contacts.



ARCHITECT'S SPECIFICATIONS

The device shall be a portable compact bodypack transmitter for use with a companion receiver as part of a high reliability wireless radio frequency transmission system. The portable transmitter shall operate within a RF frequency range of 516 – 865 MHz in 20 fixed frequency banks or 6 user banks with a maximum of 64 presets with a switching bandwidth of maximum 75 MHz tunable in 25 kHz steps; carrier frequencies shall be maximum 3000. Nominal/peak deviation shall be ± 24 kHz/ ± 48 kHz. Frequency stability shall be $\leq \pm 15$ ppm. RF output power shall be selectable at 10 mW (Low), 30 mW (Standard), 50mW (High) and 100 mW (Maximum, XP version only). A compander feature shall be included and shall be Sennheiser HDX system with pilot-tone squelch (switchable). Audio frequency response shall be 80 – 18,000 Hz (microphone) and 25 – 18,000 Hz (line).

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TECHNICAL DATA

RF frequency range	516 – 865 MHz
Carrier frequencies	max. 3000
Presets	max. 64
Switching bandwidth.....	max. 75 MHz, tuneable in 25 kHz steps
Nominal / Peak deviation.....	± 24 kHz / ± 48 kHz
Frequency stability.....	$\leq \pm 15$ ppm
RF output power	typ. 10 mW (Low) typ. 30 mW (Standard) typ. 50 mW (High) XP-Version: typ. 100 mW (Maximum)
Compannder	HDX
AF frequency response	microphone: 80 – 18,000 Hz line: 25 – 18,000 Hz
Signal-to-noise ratio	> 120 dB(A)
THD, total harmonic distortion	< 0,9 %
Max. input voltage	3 V _{rms}
Input impedance	microphone: 40 k Ω , unbalanced line: 1 M Ω
Input sensitivity range	60 dB, adjustable in 3-dB steps
Operating temperature	-10 °C – +55 °C
Power supply	2 AA size batteries, 1.5 V or BA 2015 recchargeable pack
Nominal voltage	2.4 V

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ARCHITECT'S SPECIFICATIONS

Signal-to-noise ratio shall be >120 dB(A); total harmonic distortion shall be $< 0.9\%$. Maximum input voltage shall be $3V_{rms}$. Input impedance shall be $40\text{ k}\Omega$ (microphone, unbalanced) and $1\text{ M}\Omega$ (line); input sensitivity range shall be 60dB adjustable in 3 dB steps. Menu-based software adjustments shall be made using a backlit LCD user display; transmitters shall be configured in the companion receiver menu and synchronized with the receiver via an integrated infrared interface, or shall be capable of adjustment for settings directly within the transmitter menu. The transmitter shall include an integrated guitar tuner and guitar cable emulation. Non-XP versions of the transmitter shall be capable of upgrade to XP using a PC-based software tool (XP Upgrade Tool). The transmitter shall be fully compatible with all Sennheiser 2000 series and G3 receivers; partial compatibility shall be provided for Sennheiser ew G2 and G1 receivers. Power shall be supplied to the portable receiver by 2 "AA" size batteries (1.5 Vdc) or by one optional Sennheiser BA2015 rechargeable battery pack; charging contacts shall be provided on the exterior of the transmitter case to allow charging (using external charging units) of the BA2015 while inserted in the transmitter. Power consumption shall be typical 180 mA (30 mW) at nominal voltage of 2.4V; $\leq 25\mu\text{A}$ when transmitter is switched off. Operating time shall be typical 8 hours. The transmitter case shall be fabricated from metal; case dimensions shall be approximately 3.23" x 2.52" x 0.94" (82 x 64 x 24 mm). Weight including battery shall be approximately 5.64 oz (160 grams). Operating conditions shall be ambient temperature $+14^{\circ}\text{F}$ to $+131^{\circ}\text{F}$ (-10°C to $+55^{\circ}\text{C}$). The portable compact bodypack transmitter shall be Sennheiser model SK 2000.

TECHNICAL DATA

Power consumption

- at nominal voltagetyp. 180 mA (30 mW)
- with switched-off transmitter $\leq 25\mu\text{A}$

Operating timetyp. 8 hrs

Dimensionsapprox. 82 mm x 64 mm x 24 mm

Weight (incl. batteries)approx. 160 g

DELIVERY INCLUDES

1 SK 2000 bodypack transmitter

2 AA 1.5 V batteries

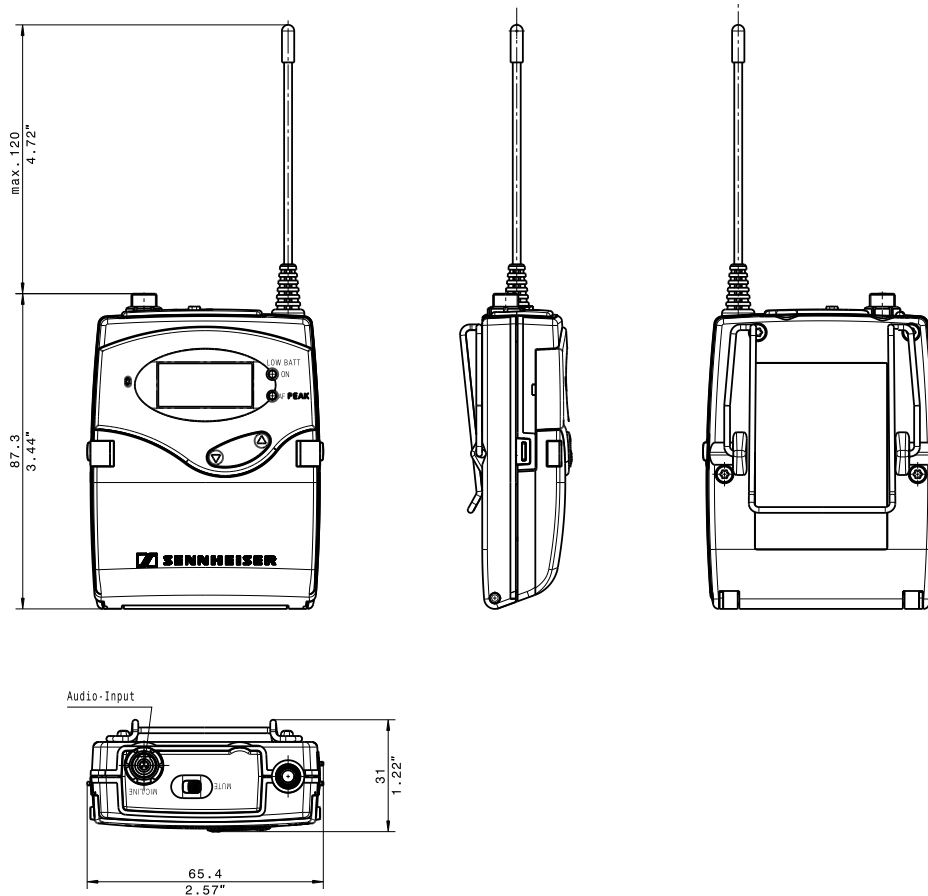
1 instruction manual

1 supplementary frequency sheet

1 supplementary RF power sheet

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DIMENSIONS



PRODUCT VARIANTS

SK 2000 AW 516 ... 558 MHz	Cat. No. 503145
SK 2000 AW-X 516 ... 558 MHz / Europe	Cat. No. 503759
SK 2000XP AW 516 ... 558 MHz / US	Cat. No. 504048
SK 2000 GW 558 ... 626 MHz	Cat. No. 503760
SK 2000 GW-X 558 ... 626 MHz / Europe	Cat. No. 503761
SK 2000XP GW 558 ... 626 MHz / US	Cat. No. 504049
SK 2000 BW 626 ... 698 MHz	Cat. No. 503762
SK 2000 BW-X 626 ... 698 MHz / Europe	Cat. No. 503763
SK 2000XP BW 626 ... 698 MHz / US	Cat. No. 504050
SK 2000 CW 718 ... 790 MHz	Cat. No. 503764
SK 2000 CW-X 718 ... 790 MHz / Europe	Cat. No. 503765
SK 2000 DW 790 ... 865 MHz	Cat. No. 503766
SK 2000 DW-X 790 ... 865 MHz / Europe	Cat. No. 503767

RECOMMENDED ACCESSORIES

MKE 1-4 clip-on mic, omni, black	Cat. No. 502167
MKE 1-4-3 clip-on mic, omni, beige	Cat. No. 502168
MKE 1-4-1 clip-on mic, omni, white	Cat. No. 502833
MKE 1-4-2 clip-on mic, omni, brown	Cat. No. 502834
MKE 1, MZ 1 accessory kit	Cat. No. 504060
HSP 2 headset, omni	Cat. No. 09862
HSP 4 headset, cardioid	Cat. No. 09864
CI 1-4 guitar cable	Cat. No. 503163
BA 2015 rechargeable pack	Cat. No. 09950
L 2015 charging unit	Cat. No. 09928
Ear Set 1-4 earworn mic, omni, black	Cat. No. 504230
Ear Set 1-4-3 earworn mic, omni, beige	Cat. No. 504231
Ear Set 4-4 earworn mic, cardioid, black	Cat. No. 504234
Ear Set 4-4-3 earworn mic, cardioid, beige	Cat. No. 504235
MKE 40-4 clip-on mic, cardioid, black	Cat. No. 003579

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