

SR 2000 Stereo Transmitter

FEATURES

- 20 fixed frequency banks with up to 32 compatible presets in up to 75 MHz switching bandwidth and 6 user banks
- Audio loop-out jack
- 5 Band graphic EQ
- Rugged 19" all-metal housing with integrated power supply unit
- Ethernet for monitoring and control using Sennheiser WSM Mac or PC software
- Extended AF frequency response (25... 15000 Hz)
- Receivers can be configured in the transmitter menu and can be synchronized via the infrared interface

Rugged, reliable, and flexible – in short: professional. With SR 2000, you can choose from 26 frequency banks with up to 32 channels. The channels can be user-programmed into six of the frequency banks. Three switchable RF output powers (10, 30, and 50 mW – additionally 100 mW in the US version) provide greatest artistic and technical freedom. A 5-band equalizer makes it possible to individually influence the audio output signal.



ARCHITECT'S SPECIFICATIONS

The device shall be a stationary stereo transmitter for use with a companion stereo receiver as part of a high reliability stereo wireless radio frequency transmission system. The stationary stereo transmitter shall operate within a RF frequency range of 516 – 865 MHz in 20 fixed frequency banks and 6 user banks with a maximum of 32 presets with a switching bandwidth of maximum 75 MHz tunable in 25 kHz steps; carrier frequencies shall be maximum 3000. Frequency stability shall be ± 10 ppm. Nominal/peak deviation shall be ± 24 kHz/ ± 48 kHz. A compander feature shall be included and shall be Sennheiser HDX system. The transmitter shall include MPX pilot tone (frequency / deviation) of 19 kHz / ± 5 kHz. Audio frequency response shall be 25 – 15,000 Hz; total harmonic distortion (THD) shall be < 0.9 %. Audio frequency input level shall be +22 dBu (maximum, balanced). Signal-to-noise ratio shall be > 90 dB.

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TECHNICAL DATA

RF frequency range	516 – 865 MHz
Carrier frequencies	max. 3000
Presets	max. 32
Switching bandwidth.....	max. 75 MHz, tuneable in 25 kHz steps
Frequency stability.....	± 10 ppm
Antenna output	BNC (50 OHM)
RF Output power	typ. 10 mW (Low) typ. 30 mW (Standard) typ. 50 mW (High) XP-Version: typ. 100 mW (Maximum)
Compander.....	HDX
Nominal / Peak deviation.....	± 24 kHz / ± 48 kHz
MPX pilot tone (frequency / deviation).....	19 kHz / ± 5 kHz
Frequency response	25 – 15000 Hz
Signal-to-noise ratio	> 90 dB
THD, total harmonic distortion	$< 0,9$ %
Max. input level.....	+22 dBu
Audio input	XLR-31/4" (6,3mm) jack combo socket, electronically balanced
Audio output	1/4" (6,3mm) jack socket, balanced
Operating temperature	-10 °C – $+5$ °C
Power supply	100 - 240 V AC, 50/60 Hz
Current consumption	max. 0,1 A
Dimensions	217 x 483 x 43 mm
Weight	2600 g

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ARCHITECT'S SPECIFICATIONS

The stereo audio input shall utilize two discrete (left/right) electronically-balanced combination female XLR-3 and 1/4" audio sockets; the audio output shall utilize a balanced 1/4" (6.3 mm) audio socket; one audio loop output shall be provided utilizing a balanced 1/4" (6.3 mm) audio socket. A stereo headphone output with local level control shall be provided on the front panel and shall utilize a 1/4" (6.3 mm) stereo audio socket. Menu-based software adjustments shall be made using a backlit LCD user display; associated receivers shall be configured in the receiver menu and synchronized with the transmitter via an integrated infrared interface. A 5-band graphic equalizer shall be provided. One 50Ω BNC connector shall provide the attachment point for the main transmitter antenna. RF output power shall be selectable at 10 mW (Low), 30 mW (Standard), 50 mW (High) and 100 mW (Maximum, XP version only). An Ethernet port (RJ45) shall be provided to allow remote network-based monitoring and control of the transmitter using Sennheiser Wireless System Manager Mac or PC software. Power shall be supplied to the transmitter by the internal power supply with auto-switching mains voltage of 100 – 240 VAC at 50/60 Hz. Current draw shall be maximum 0.1 A. The transmitter chassis shall be fabricated from metal and shall be capable of mounting in a standard 19" equipment rack without additional hardware; case dimensions shall be approximately 8.54" x 19.02" x 1.69" (217 x 483 x 43 mm). Weight shall be 91.71 oz (2600 grams). Operating conditions shall be ambient temperature +14°F to +131°F (-10°C to +55°C). The stationary stereo transmitter shall be Sennheiser model SR 2000.

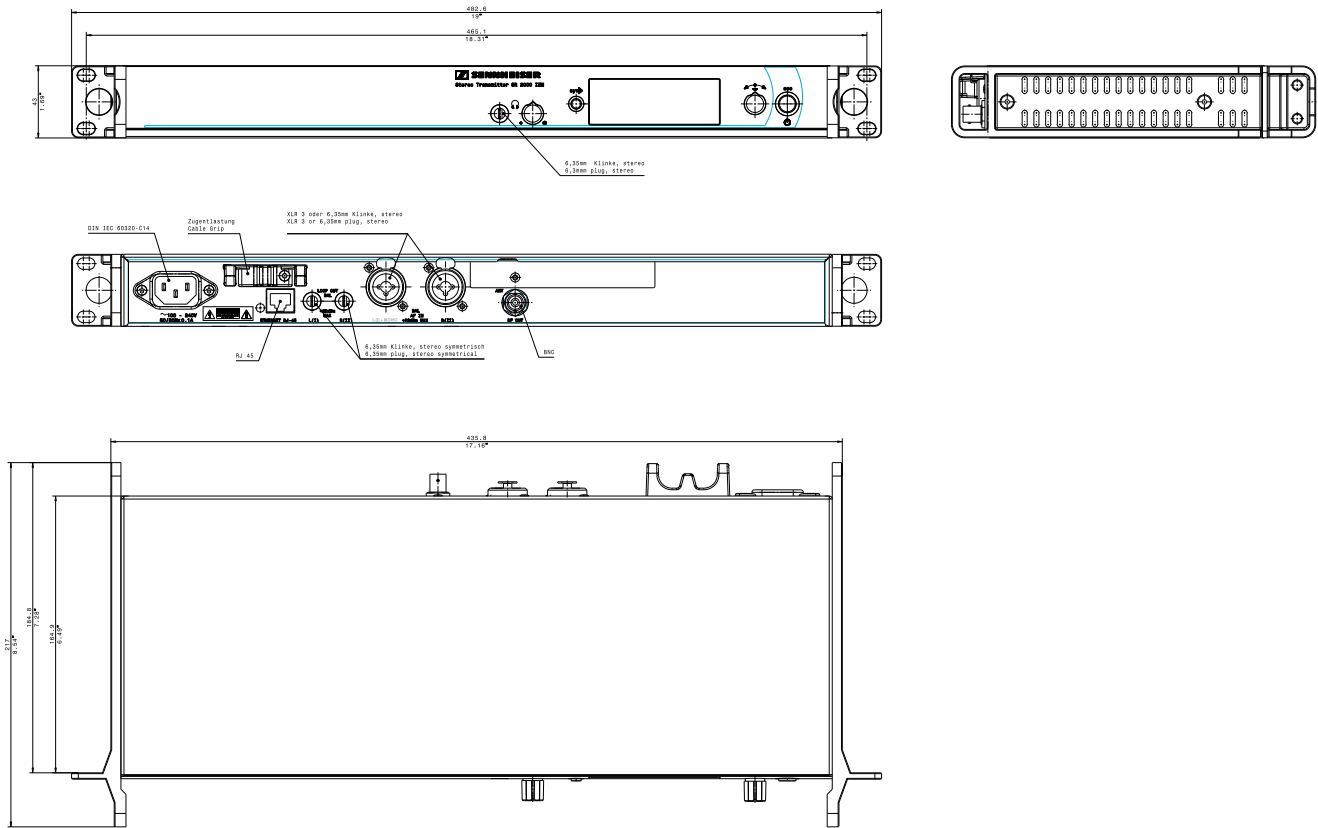
TECHNICAL DATA

DELIVERY INCLUDES

- 1 SR 2000 IEM transmitter
- 3 mains cables (EU, UK, and US)
- 2 rod antennas
- 1 instruction manual
- 1 supplementary frequency sheet
- 1 supplementary RF license sheet
- 4 device feet

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DIMENSIONS



PRODUCT VARIANTS

SR 2000 IEM AW 516 ... 558 MHz	Cat. No. 503151
SR 2000 IEM AW-X 516 ... 558 MHz / Europe	Cat. No. 503825
SR 2000XP IEM AW 516 ... 558 MHz / US	Cat. No. 504054
SR 2000 IEM GW 558 ... 626 MHz	Cat. No. 503828
SR 2000 IEM GW-X 558 ... 626 MHz / Europe	Cat. No. 503829
SR 2000XP IEM GW 558 ... 626 MHz / US	Cat. No. 504055
SR 2000 IEM BW 626 ... 698 MHz	Cat. No. 503832
SR 2000 IEM BW-X 626 ... 698 MHz / Europe	Cat. No. 503833
SR 2000XP IEM BW 626 ... 698 MHz / US	Cat. No. 504056
SR 2000 IEM CW 718 ... 790 MHz	Cat. No. 503836
SR 2000 IEM CW-X 718 ... 790 MHz / Europe	Cat. No. 503837
SR 2000 IEM DW 790 ... 865 MHz	Cat. No. 503840
SR 2000 IEM DW-X 790 ... 865 MHz / Europe	Cat. No. 503841

RECOMMENDED ACCESSORIES

GA 3030 AM antenna front mount kit	Cat. No. 004368
AC 3200 antenna combiner	Cat. No. 502048
A 5000 CP circularly polarized broadband antenna	Cat. No. 500887
A 2003 directional broadband antenna	Cat. No. 003658
A 1031 omni-directional broadband antenna	Cat. No. 004645
Antenna daisy-chain cable, 50 Ω, BNC, 0.25 m	Cat. No. 087969
GZL 1019-A1 coaxial cable, type RG 58, BNC to BNC, 1 m	Cat. No. 002324

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