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

ARCHITECT’S SPECIFICATIONS
The device shall be a stationary stereo transmitter for use with a companion 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 / ±5kHz. 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.

TECHNICAL DATA
- RF frequency range: 516 – 865 MHz
- Carrier frequencies: max. 3000
- Presets: max. 32
- Switching bandwidth: max. 75 MHz, tunable 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 / ±5kHz
- 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 – +55 °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 ¼” audio sockets; the audio output shall utilize a balanced ¼” (6.3 mm) audio socket; one audio loop output shall be provided utilizing a balanced ¼” (6.3 mm) audio socket. A stereo headphone output with local level control shall be provided on the front panel and shall utilize a ¼” (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
SR 2000 Stereo Transmitter

DIMENSIONS

PRODUCT VARIANTS

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<tr>
<th>SR 2000 IEM AW 516 ... 558 MHz</th>
<th>Cat. No. 503151</th>
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<tr>
<td>SR 2000 IEM AW-X 516 ... 558 MHz / Europe</td>
<td>Cat. No. 503825</td>
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<td>SR 2000XP IEM AW 516 ... 558 MHz / US</td>
<td>Cat. No. 504054</td>
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<tr>
<td>SR 2000 IEM GW 558 ... 626 MHz</td>
<td>Cat. No. 503828</td>
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<tr>
<td>SR 2000 IEM GW-X 558 ... 626 MHz / Europe</td>
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<td>SR 2000XP IEM GW 558 ... 626 MHz / US</td>
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<td>SR 2000 IEM BW 626 ... 698 MHz</td>
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<td>SR 2000 IEM CW 718 ... 790 MHz</td>
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<td>SR 2000 IEM DW 790 ... 865 MHz</td>
<td>Cat. No. 503840</td>
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<td>SR 2000 IEM DW-X 790 ... 865 MHz / Europe</td>
<td>Cat. No. 503841</td>
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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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