

EM 2000 True Diversity Receiver

FEATURES

- 20 fixed frequency banks with up to 64 compatible presets in up to 75 MHz switching bandwidth and 6 user banks
- Integrated antenna splitter for cascading up to 8 devices without using additional splitters
- Rugged 19" all-metal housing with integrated power supply unit
- Ethernet for monitoring and control using Sennheiser WSM Mac or PC software
- Transmitters can be configured in the receiver menu and can be synchronized via the infrared interface
- Enhanced AF frequency response (25....18000 Hz)

Hiding underneath the sturdy 19-inch metal housing of the stationary receiver is highly advanced professional transmission technology. As with all components of the 2000 series, with the EM 2000 you can use five windows of up to 75 MHz in the UHF range. 20 channel bands with up to 64 presets and 6 channel bands each with up to 64 user-programmable channels are available. Each transmitter can be synchronized quickly and easily using infrared. The transmitter can be connected to networks via its Ethernet socket and can be monitored and controlled remotely from the Mac or PC using the Sennheiser Wireless System Manager software.



ARCHITECT'S SPECIFICATIONS

Squelch setting always visible on the display, setting possible in 2 dB steps (Off, 5 – 25 dB μ V) up to 64 compatible presets in up to 75 MHz switching bandwidth. Integrated antenna splitter for cascading up to 8 devices without using additional splitters. Real true-diversity with 2 tuners per receiver channel. Transmitters can be configured in the receiver menu and can be synchronized via the infrared interface. All audio outputs transformer-balanced. Audio output level adjustable 49 dB in 1 dB steps + 6 dB gain reserve. 4 selectable equalizer presets. Integrated guitar tuner. Power socket with strain relief. Booster feed 12 V DC, 2 x 200 mA: Short-circuit proof. Maximum installation depth: 483 mm + connectors. Full compatibility to all Sennheiser 2000 series and G3 transmitters. Reduced compatibility to ew G2 and G1 transmitters. Sennheiser HDX Componder system. Mechanical protection of rear-connectors. Enhanced AF frequency response (25....18000 Hz) pilot-tone squelch switchable.

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
Squelch threshold.....	Off, 5 – 25 dB μ V : Can be set in 2 dB steps
Intermodulation spacing.....	≥ 75 dB
Sensitivity (with HDX, peak deviation)	≤ 2 μ V for 52 dBArms S/N
Adjacent channel rejection	typ. ≥ 80 dB
Blocking	≥ 80 dB
Antenna connector.....	2 BNC (50 OHM)
Cascadable	2 BNC (50 OHM)
Gain	0 dB $\pm 0,5$ dB : Based on antenna inputs
Compander.....	HDX
Frequency response	25 – 18000 Hz
Signal-to-noise ratio	> 120 dB(A)
THD, total harmonic distortion	$< 0,9$ %
Audio-XLR connector	XLR-3 + 2 x 6,3 mm : Jack
Audio output level (balanced)	+18 dBu max : Setting range: 49 dB in 1 dB steps + 6 dB gain reserve

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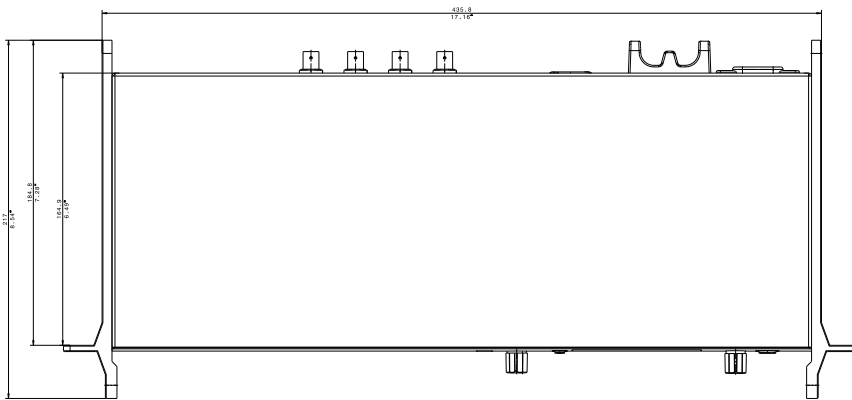
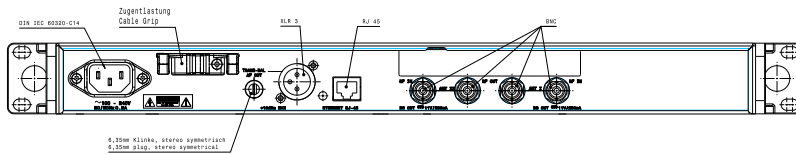
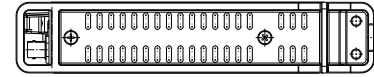
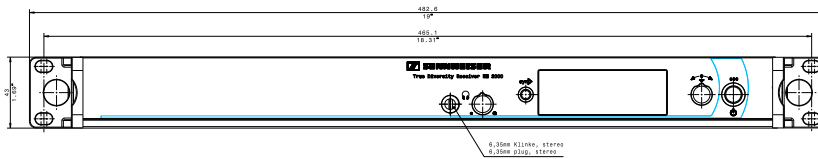


TECHNICAL DATA

Booster Feed	12 V DC, 2 x 200 mA: Short-circuit proof
Operating temperature	-10 °C – +55 °C
Power supply	100 - 240 V AC, 50/60 Hz
Current consumption	max. 0,2 A
Dimensions	217 x 483 x 43 mm
Weight	2600 g
Delivery includes:.....	1 EM 2000 stationary twin receiver 3 mains cables (EU, UK, and US) 2 rod antennas 4 self-adhesive device feet 1 instruction manual 1 supplementary frequency sheet 1 supplementary RF power sheet

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DIMENSIONS



PRODUCT VARIANTS

EM 2050 AW 516 ... 558 MHz	Cat. No. 503144
EM 2050 AW-X 516 ... 558 MHz / Europe	Cat. No. 503739
EM 2050 GW 558 ... 626 MHz	Cat. No. 503742
EM 2050 GW-X 558 ... 626 MHz / Europe	Cat. No. 503743
EM 2050 BW 626 ... 698 MHz	Cat. No. 503746
EM 2050 BW-X 626 ... 698 MHz / Europe	Cat. No. 503747
EM 2050 CW 718 ... 790 MHz	Cat. No. 503750
EM 2050 CW-X 718 ... 790 MHz / Europe	Cat. No. 503751
EM 2050 DW 790 ... 865 MHz	Cat. No. 503754
EM 2050 DW-X 790 ... 865 MHz / Europe	Cat. No. 503755

RECOMMENDED ACCESSORIES

AB 3700 broadband antenna booster	Cat. No. 502196
AD 3700 directional antenna	Cat. No. 502197
A 3700 omni-directional antenna	Cat. No. 502195
GA 3030-AM antenna mount	Cat. No. 4368
A 2003-UHF directional antenna	Cat. No. 3658

Sennheiser electronic GmbH & Co. KG
 Am Labor 1, 30900 Wedemark, Germany
www.sennheiser.com

