

EM 2050

True Diversity Twin 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)

Equipped with the same features as EM 2000 but designed as a twin receiver, EM 2050 makes it possible for the RF signal to be looped through with the help of an integrated active splitter. With this design, you can set up systems with up to 16 channels without using external splitters. An integrated equalizer and guitar tuning device complete the package.



ARCHITECT'S SPECIFICATIONS

Squelch setting always visible on the display, setting possible in 2 dB steps (Off, 5 – 25 dBµV) 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 Compander 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, max. 75 MHz, tuneable in 25 kHz steps
Nominal / Peak deviation.....	±24 kHz / ±48 kHz
Squelch threshold.....	Off, 5 – 25 dBµV: Can be set in 2 dB steps
Intermodulation spacing.....	≥ 75 dB
Sensitivity (with HDX, peak deviation)	≤ 2 µV 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 ±0,5 dB : Based on antenna inputs
Compannder.....	HDX
Frequency response	25 ... 18000 Hz
Signal-to-noise ratio	> 120 dB(A)
THD, total harmonic distortion	< 0,9 %
Audio-XLR connector	2 x 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
Booster Feed	12 V DC, 2 x 200 mA: Short-circuit proof

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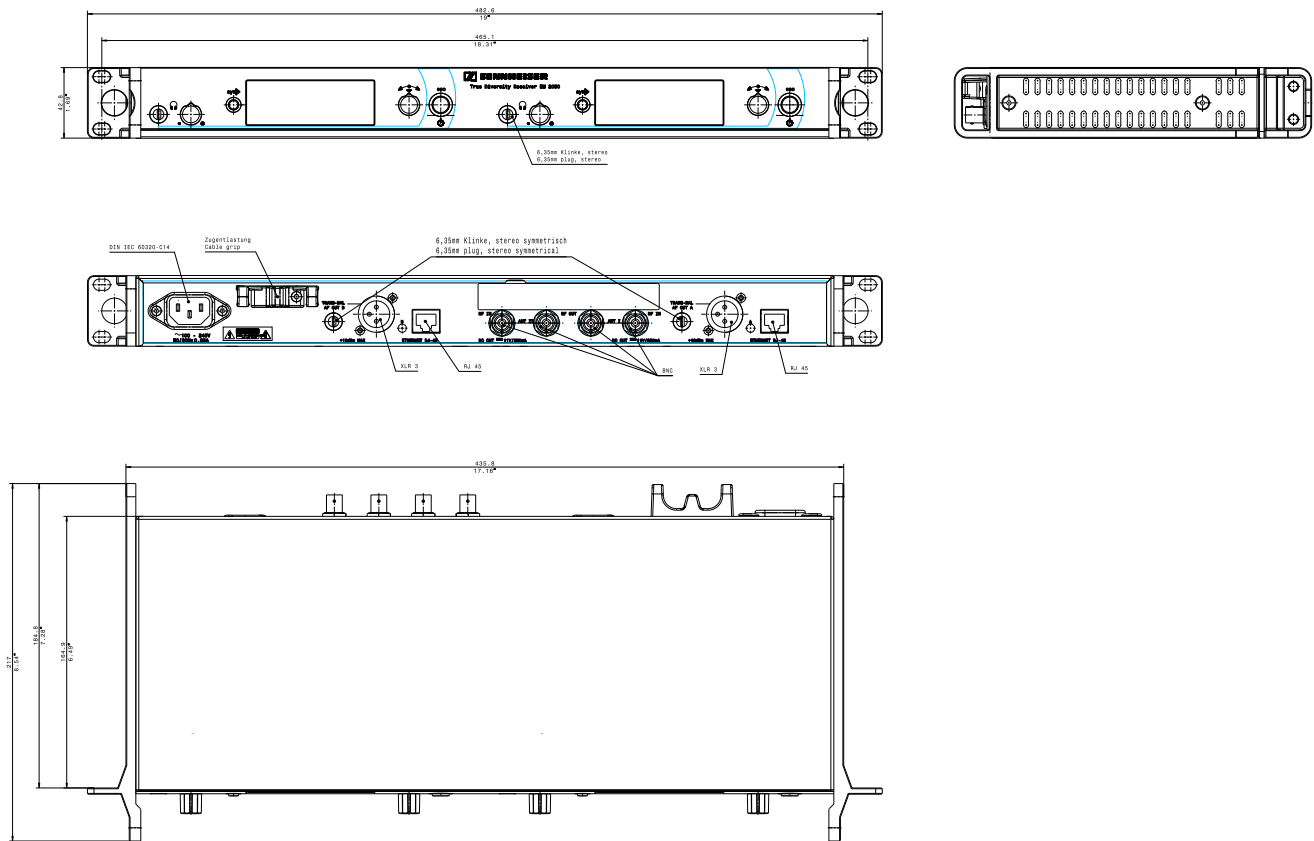


TECHNICAL DATA

Operating temperature	-10 °C – +55 °C
Power supply	100 - 240 V AC, 50/60 Hz
Current consumption	max. 0,25 A
Dimensions	217 x 483 x 43 mm
Weight	2900 g
Delivery includes:.....	1 EM 2050 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

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