

Product Specifications

EM 100 G4

Frequency Range	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz GB: 606 - 648 MHz G: 566 - 608 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz 1G8: 1785 - 1800 MHz JB: 806 - 810 MHz K+: 925 - 937,5 MHz
Dimensions	Approx. 190 x 212 x 43 mm
Companer	Sennheiser HDX
THD, total harmonic distortion	≤ 0.9 %
Weight	Approx. 980 g
Audio Output	6.3 mm jack socket (unbalanced): +12 dBu XLR socket (balanced): +18 dBu
Signal-to-noise ratio	≥ 110 dBA
Switching Bandwidth	up to 42 MHz
Peak Deviation	±48 kHz
Nominal Deviation	±24 kHz
Modulation	Wideband FM
Power Supply	12 V DC

Antenna Connector	2 BNC Sockets
Current Consumption	300 mA
Adjacent channel rejection	Typically ≥ 65 dB
Intermodulation attenuation	Typically ≥ 65 dB
Receiving frequency	Max. 1680 receiving frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels, no intermodulation 1 frequency bank with up to 12 programmable channels
RF sensitivity	$< 2.5 \mu\text{V}$ for 52 dBA eff S/N
Squelch	low: 5 dB μV middle: 15 dB μV high: 25 dB μV
Equalizer	Preset 1: Flat Preset 2: Low Cut (-3 dB at 180 Hz) Preset 3: Low Cut/High Boost (-3 dB at 180 Hz, +6 dB at 10 kHz) Preset 4: High Boost (+6 dB at 10 kHz)
Temperature Range	-10° C to +55° C
Receiver Principle	True Diversity
Blocking	≥ 70 dB
SK 100 G4	
Dimensions	Approx. 82 x 64 x 24 mm
Compander	Sennheiser HDX
THD, total harmonic distortion	$\leq 0.9 \%$

Weight	(incl. batteries) approx. 160 g
Signal-to-noise ratio	≥ 110 dBA
RF output power	Max. 30 mW
Switching bandwidth	up to 42 MHz
Peak deviation	± 48 kHz
Nominal deviation	± 24 kHz
Operating time	Typically 8 h
Modulation	Wideband FM
Power Supply	2 AA batteries, 1.5 V or BA 2015 accupack
Current Consumption	at nominal voltage: typ. 180 mA with transmitter switched off: ≤ 25 μ A
Input Impedance	40 k Ω , unbalanced / 1 M Ω
Max. Input Voltage	3 V _{eff}
Powering	3 V battery / 2.4 V rechargeable battery
Transmission frequency	Max. 1680 transmitting frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels, no intermodulation 1 frequency bank with up to 12 programmable channels
AF frequency response	Mic: 80 – 18,000 Hz Line: 25 – 18,000 Hz
Temperature Range	-10° C to +55° C
Frequency	$\leq \pm 15$ ppm

Stability	
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ME 3	
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Connector	3.5 mm jack
Sound Pressure Level (SPL)	150 dB SPL
Cable Length	approx. 1.6 m
Transducer principle	pre-polarized condenser microphone
Pick-up pattern	cardioid
Sensitivity	1.6 mV/Pa
Temperature Range	-10° C to + 55° C