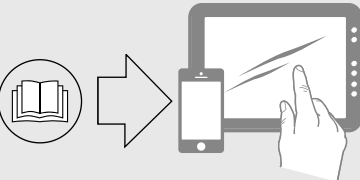
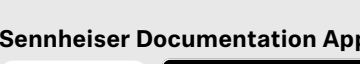


	ew G4 Series	AF output voltage (at peak deviation, 1 kHz AF)	6.3 mm jack socket (unbalanced): +12 dBu XLR socket (balanced): +18 dBu
		Setting range "AF Out"	48 dB (3 dB steps)
Overall device			
Temperature range		-10 °C to +55 °C	
Power supply		12 V DC	
Current consumption		300 mA	
Dimensions		Approx. 190 x 212 x 43 mm	
Weight		Approx. 980 g	
SK 100 G4 SKM 100 G4 SKM 100-S G4			
RF characteristics			
Modulation		Wideband FM	
Frequency ranges		A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz	
Технические характеристики и Заявления изготовителя			
Технічні характеристики і Заявлення виробника			
Teknik Bilgiler i Üretici Beyanları			
Технічні характеристики і Заявлення виробника			
기술 데이터 및 제조사 선언			

SENNHEISER

	ew G4 Series
	
Sennheiser Documentation App	
	
or online at www.sennheiser.com/download	
	
Sennheiser electronic GmbH & Co. KG	
Am Labor 1, 30900 Wedemark, Germany www.sennheiser.com	
Printed in Germany, Publ. 04/18, 575859/A03	

SPECIFICATIONS

EM 100 G4	
RF characteristics	
Modulation	Wideband FM
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz 1GB: 1785 - 1800 MHz
Receiving frequencies	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
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	±24 kHz / ±48 kHz
Receiver principle	True diversity
Sensitivity (with HDX, peak deviation)	< 2.5 µV for 52 dBA _{eff S/N}
Adjacent channel selection	Typically ≥ 65 dB
Intermodulation attenuation	Typically ≥ 65 dB
Blocking	≥ 70 dB
Squelch	low: 5 dBµV middle: 15 dBµV high: 25 dBµV
Pilot tone squelch	Can be switched off
Antenna inputs	2 BNC sockets
AF characteristics	
Compander system	Sennheiser HDX
EQ presets (switchable, act on line and monitor outputs):	
• 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 3: "High Boost"	+6 dB at 10 kHz
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110 dBA
Total harmonic distortion (THD)	≤ 0.9 %

AF output voltage (at peak deviation, 1 kHz AF)	6.3 mm jack socket (unbalanced): +12 dBu XLR socket (balanced): +18 dBu
Setting range "AF Out"	48 dB (3 dB steps)
Overall device	
Temperature range	-10 °C to +55 °C
Power supply	12 V DC
Current consumption	300 mA
Dimensions	Approx. 190 x 212 x 43 mm
Weight	Approx. 980 g

SK 100 G4 SKM 100 G4 SKM 100-S G4	
RF characteristics	
Modulation	Wideband FM
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz 1G8: 1785 - 1800 MHz
Transmission frequencies	1680 frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels 1 frequency bank with up to 12 programmable channels
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	±24 kHz / ±48 kHz
Frequency stability	≤ ±15 ppm
RF output power at 50 Ω	30 mW Frequency ranges E, JB, K+ and 1G8 are limited to 10 mW
Pilot tone squelch	Can be switched off
AF characteristics	
Compander system	Sennheiser HDX
AF frequency response	SK 100 G4: Mic: 80 - 18,000 Hz Line: 25 - 18,000 Hz SKM 100(-S) G4: 80 - 18,000 Hz
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110dBA
Total harmonic distortion (THD)	≤ 0.9 %

EM 100 G4	
RF characteristics	
Modulation	Wideband FM
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz 1GB: 1785 - 1800 MHz
Receiving frequencies	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
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	±24 kHz / ±48 kHz
Receiver principle	True diversity
Sensitivity (with HDX, peak deviation)	< 2.5 µV for 52 dBA _{eff S/N}
Adjacent channel selection	Typically ≥ 65 dB
Intermodulation attenuation	Typically ≥ 65 dB
Blocking	≥ 70 dB
Squelch	low: 5 dBµV middle: 15 dBµV high: 25 dBµV
Pilot tone squelch	Can be switched off
Antenna inputs	2 BNC sockets
AF characteristics	
Compander system	Sennheiser HDX
EQ presets (switchable, act on line and monitor outputs):	
• 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 3: "High Boost"	+6 dB at 10 kHz
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110 dBA
Total harmonic distortion (THD)	≤ 0.9 %

EK 100 G4		
RF characteristics		
Modulation	Wideband FM	
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz	
Receiving frequencies	1680 frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels 1 frequency bank with up to 12 programmable channels	
Switching bandwidth	up to 42 MHz	
Nominal/peak deviation	±24 kHz / ±48 kHz	
Receiver principle	adaptive diversity	
Sensitivity (with HDX, peak deviation)	< 1.6 µV for 52 dBA _{eff S/N}	
Adjacent channel rejection	≥ 65 dB	
Intermodulation attenuation	≥ 65 dB	
Blocking	≥ 70 dB	
Squelch	low: 5 dBµV middle: 15 dBµV high: 25 dBµV	
Pilot tone squelch	Can be switched off	

AF characteristics	
Compander system	Sennheiser HDX
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110dBA
Total harmonic distortion (THD)	≤ 0.9 %
AF output voltage (at peak deviation, 1 kHz AF)	3.5 mm jack socket: +11 dBu (mono, unbalanced)
Adjustment range of audio output level	42 dB, adjustable in steps of 6 dB
Overall device	
Temperature range	-10 °C to +55 °C
Power supply	2 AA batteries, 1.5 V (alkali manganese) or BA 2015 accupack
Nominal voltage	3 V battery / 2.4 V rechargeable battery
Current consumption:	
at nominal voltage	Typically 180 mA
with receiver switched off	≤ 25 µA
Operating time	Typically 8 h
Dimensions	Approx. 82 x 64 x 24 mm
Weight (incl. batteries)	Approx. 160 g
SKP 100 G4	
RF characteristics	
Modulation	Wideband FM
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz
Transmission frequencies	1680 frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels, no intermodulation 6 frequency banks with up to 32 programmable channels
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	±24 kHz / ±48 kHz
Frequency stability	≤ ±15 ppm
RF output power at 50 Ω	30 mW
Pilot tone squelch	Can be switched off
AF characteristics	
Compander system	Sennheiser HDX
AF frequency response	80 – 18,000 Hz
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110dBA
Total harmonic distortion (THD)	≤ 0.9 %
Max. microphone/line input voltage	3.3 V _{eff}
Input impedance	68 kΩ, unbalanced
Input capacitance	Switchable
Setting range for input sensitivity	48 dB, adjustable in 6 dB steps
Overall device	
Temperature range	-10 °C to +55 °C
Power supply	2 AA batteries, 1.5 V (alkali manganese) or BA 2015 accupack
Nominal voltage	3 V battery / 2.4 V rechargeable battery
Current consumption:	
at nominal voltage	Typically 180 mA
with transmitter switched off	≤ 25 µA
Operating time	Typically 8 h
Dimensions	Approx. 105 x 43 x 43 mm
Weight (incl. batteries)	Approx. 195 g

Modulation	Wideband FM
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz
Transmission frequencies	1680 frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels 1 frequency bank with up to 12 programmable channels
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	±24 kHz / ±48 kHz
Frequency stability	≤ ±15 ppm
RF output power at 50 Ω	30 mW
	Frequency ranges E, JB and K+ are limited to 10 mW
Pilot tone squelch	Can be switched off

