



evolution wireless G4 SKM 100 G4 | SKM 100 G4-S Handheld Transmitter



Powerful handheld transmitter with a lightweight aluminum housing and integrated mute switch for evolution wireless G4 100 Series systems.

FEATURES

- Your choice of Sennheiser's renowned e 835, e 845, e 865, e 935, e 945 capsules
- Easy and flexible wireless synchronization between transmitter and receiver via infrared
- Fast frequency allocation for up to 12 receivers via new linking functionality
- Up to 20 compatible channels
- Up to 42 MHz bandwidth with 1680 selectable frequencies, fully tunable in a stable UHF range
- Transmission Range: up to 100 meters / 300 feet
- High RF output power (up to 30 mW) depending on country regulations

DELIVERY INCLUDES

- SKM 100 G4 or SKM 100 G4-S handheld transmitter
- MZQ 1 microphone clamp
- 2 AA batteries
- quick guide
- safety guide
- manufacturer declaration sheet



evolution wireless G4

SKM 100 G4 | SKM 100 G4-S

Handheld Transmitter

PRODUCT VARIANTS

Made in Germany

SKM 100 G4-S-A1	470 - 516 MHz	Art. no. 507594
SKM 100 G4-S-A	516 - 558 MHz	Art. no. 507595
SKM 100 G4-S-GB	606 - 648 MHz	Art. no. 507596
SKM 100 G4-S-G	566 - 608 MHz	Art. no. 507597
SKM 100 G4-S-B	626 - 668 MHz	Art. no. 507598
SKM 100 G4-S-C	734 - 776 MHz	Art. no. 507599
SKM 100 G4-S-E	823 - 865 MHz	Art. no. 507600
SKM 100 G4-S-1G8	1785 - 1800 MHz	Art. no. 507601
SKM 100 G4-S-K+	925 - 937.5 MHz	Art. no. 507602

SKM 100 G4-A1	470 - 516 MHz	Art. no. 507660
SKM 100 G4-A	516 - 558 MHz	Art. no. 507661
SKM 100 G4-GB	606 - 648 MHz	Art. no. 507662
SKM 100 G4-G	566 - 608 MHz	Art. no. 507663
SKM 100 G4-B	626 - 668 MHz	Art. no. 507664
SKM 100 G4-C	734 - 776 MHz	Art. no. 507665
SKM 100 G4-E	823 - 865 MHz	Art. no. 507666
SKM 100 G4-1G8	1785 - 1800 MHz	Art. no. 507667
SKM 100 G4-K+	925 - 937.5 MHz	Art. no. 507668

Assembled in USA

SKM 100 G4-S-A1	470 - 516 MHz	Art. no. 507937
SKM 100 G4-S-A	516 - 558 MHz	Art. no. 507938
SKM 100 G4-S-AS	520 - 558 MHz	Art. no. 507939
SKM 100 G4-S-G	566 - 608 MHz	Art. no. 507940
SKM 100 G4-S-B	626 - 668 MHz	Art. no. 507941
SKM 100 G4-S-C	734 - 776 MHz	Art. no. 507942
SKM 100 G4-S-D	780 - 822 MHz	Art. no. 507943
SKM 100 G4-S-JB	806 - 810 MHz	Art. no. 507945

SKM 100 G4-A1	470 - 516 MHz	Art. no. 508001
SKM 100 G4-A	516 - 558 MHz	Art. no. 508002
SKM 100 G4-AS	520 - 558 MHz	Art. no. 508003
SKM 100 G4-G	566 - 608 MHz	Art. no. 508004
SKM 100 G4-B	626 - 668 MHz	Art. no. 508005
SKM 100 G4-C	734 - 776 MHz	Art. no. 508006
SKM 100 G4-D	780 - 822 MHz	Art. no. 508007
SKM 100 G4-JB	806 - 810 MHz	Art. no. 508008

ACCESSORIES

MMD 835	cardioid dynamic microphone head	Art. no. 502575
MMD 845	supercardioid dynamic microphone head	Art. no. 502576
MME 865	supercardioid condenser microphone head	Art. no. 502581
MMD 935	cardioid dynamic microphone head	Art. no. 502577
MMD 945	supercardioid dynamic microphone head	Art. no. 502579
MMK 965	condenser microphone head with switchable characteristics	Art. no. 502582
BA 2015	rechargeable battery	Art. no. 009950
LA 2	charging adapter for L 2015 charger	Art. no. 503162
L 2015	charger	Art. no. 009828
KEN 2	identification rings	Art. no. 530195



evolution wireless G4

SKM 100 G4 | SKM 100 G4-S

Handheld Transmitter

SPECIFICATIONS

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	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
Frequency stability	$\leq \pm 15$ ppm
RF output power at 50 Ω	Max. 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)	≥ 110 dBA
Total harmonic distortion (THD)	≤ 0.9 %
Max. input voltage	3 V _{eff}
Input impedance	40 k Ω
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 or BA 2015 accupack
Nominal voltage	3 V battery / 2.4 V rechargeable battery
Current consumption	at nominal voltage: typ. 180 mA with transmitter switched off: ≤ 25 μ A
Operating time	Typically 8 h
Dimensions	Approx. \varnothing 50 x 265 mm
Weight (incl. batteries)	approx. 450 g



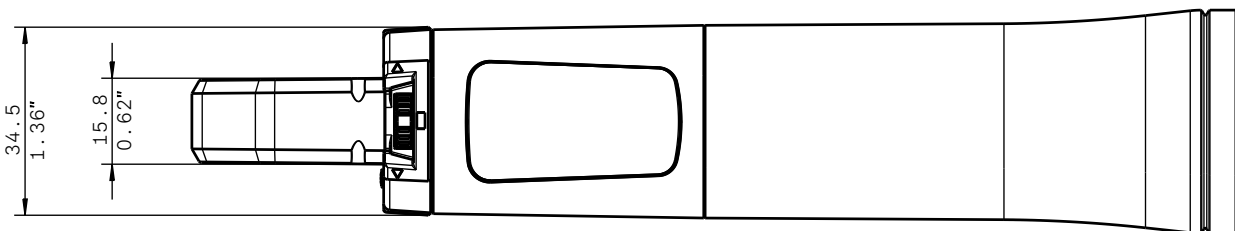
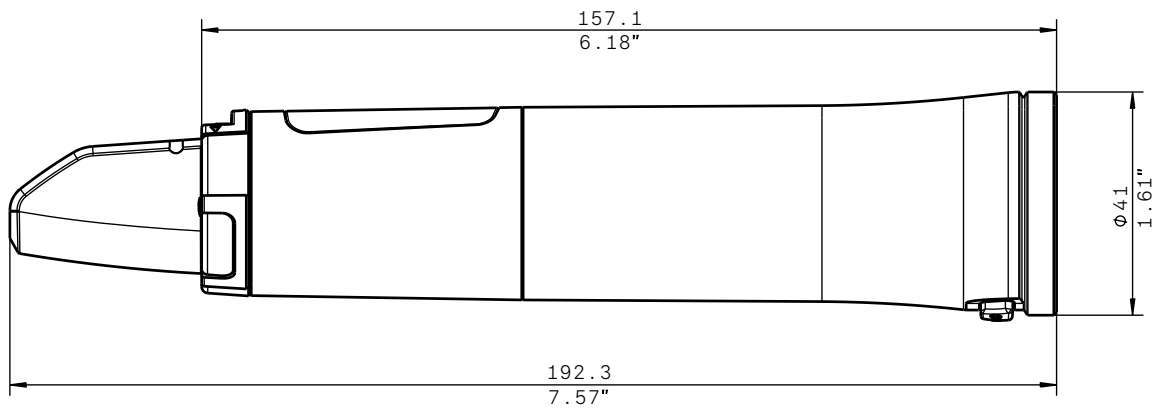
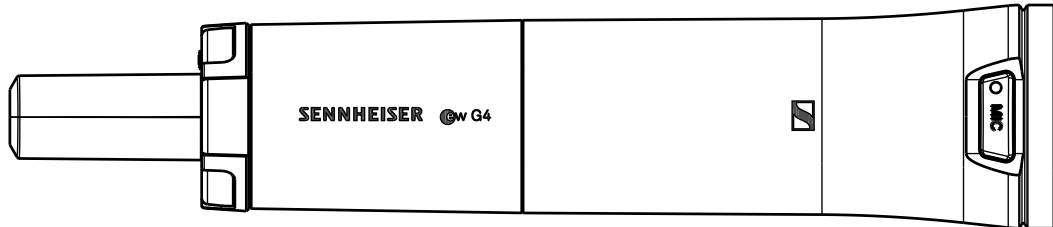
evolution wireless G4

SKM 100 G4 | SKM 100 G4-S

Handheld Transmitter

DIMENSIONS

SKM 100 G4-S





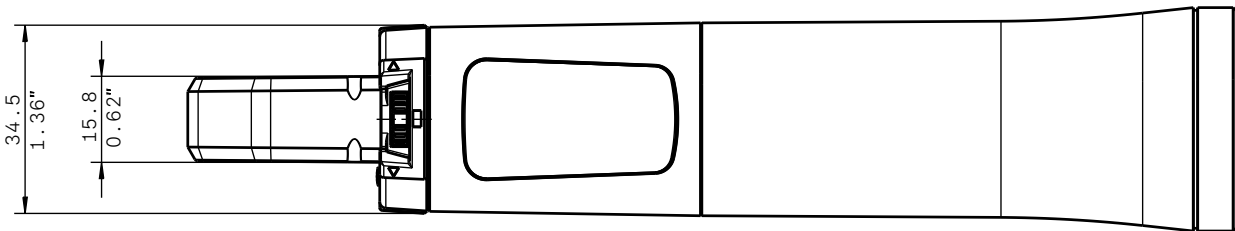
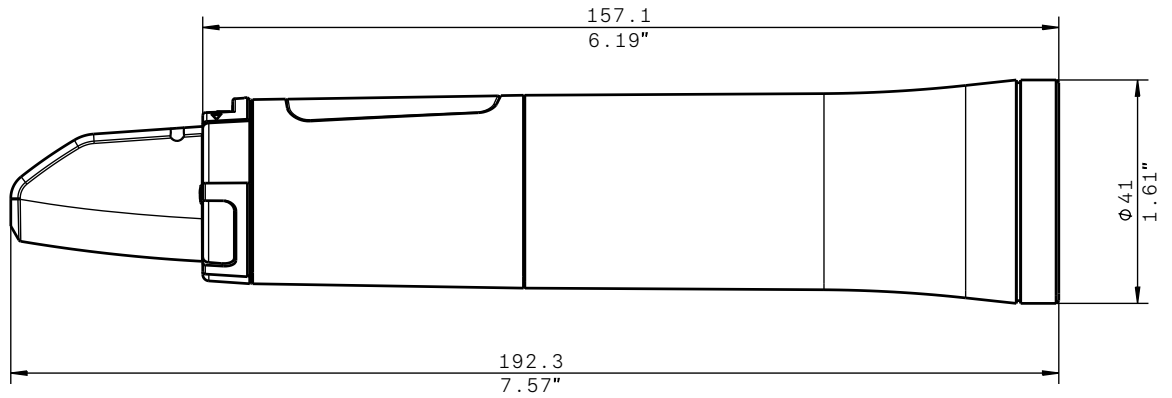
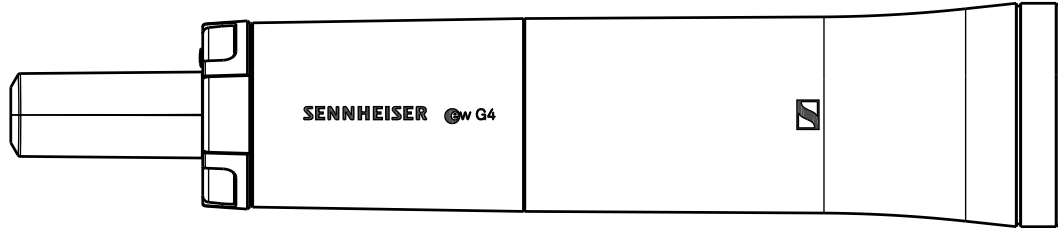
evolution wireless G4

SKM 100 G4 | SKM 100 G4-S

Handheld Transmitter

DIMENSIONS

SKM 100 G4





evolution wireless G4

SKM 100 G4 | SKM 100 G4-S

Handheld Transmitter

ARCHITECT'S SPECIFICATION

The handheld vocal radio microphone shall be for use with a companion receiver as part of a wireless RF transmission system.

The radio microphone shall operate within twelve UHF frequency ranges, with a switching bandwidth of up to 42 MHz: 470 – 516 MHz, 516 – 558 MHz, 520 – 558 MHz, 566 – 608 MHz, 606 – 648 MHz, 626 – 668 MHz, 734 – 776 MHz, 780 – 822 MHz, 823 – 865 MHz, 806 – 810 MHz, 925 – 937.5 MHz, 1785 – 1800 MHz; transmission frequencies shall be 1,680 per range and shall be tunable in 25 kHz steps. The radio microphone shall feature 20 fixed frequency banks with up to 12 compatible frequency presets and 1 user bank with up to 12 user programmable frequencies.

The radio microphone shall be menu-driven with a backlit LC display showing the current frequency, frequency bank and channel number, metering of AF level, transmission status, lock status, pilot tone transmission, muting function, and battery status. An auto-lock feature shall be provided to prevent settings from being accidentally altered.

The radio microphone parameters shall either be configurable in the associated receiver's menu and synchronized with the radio microphone via an integrated infrared interface or shall be programmable in the radio microphone menu. Receiver parameters such as receiving frequency, receiver name and pilot tone setting shall be synchronizable with the radio microphone via an integrated infrared interface.

Nominal/peak deviation shall be ± 24 kHz/ ± 48 kHz. Frequency stability shall be $\leq \pm 15$ ppm. RF output power at 50 Ω shall be 30 mW (typical).

The radio microphone shall incorporate the Sennheiser HDX compander system and a defeatable pilot tone squelch. Audio frequency response shall range from 80 – 18,000 Hz. Signal-to-noise ratio at 1 mV and peak deviation shall be ≥ 110 dBA. Total harmonic distortion (THD) shall be ≤ 0.9 %. Input sensitivity shall be adjustable within a 48 dB range in steps of 6 dB.

Power shall be supplied to the radio microphone by two 1.5 V AA size batteries or by one Sennheiser BA 2015 rechargeable accupack. Nominal voltage shall be 2.4 V, current consumption shall be typical 180 mA at nominal voltage; ≤ 25 μ A when radio microphone is switched off. Operating time shall be typical 8 hours. The radio microphone shall have a rugged metal housing; dimensions shall be approximately 50 mm (1.97") in diameter and 265 mm (10.43") in length. Weight including the batteries shall be approximately 450 grams (0.99 lbs). Operating temperature shall range from -10 °C to $+55$ °C ($+14$ °F to $+131$ °F).

A range of microphone heads shall be available for the radio microphone.

The radio microphone shall be the Sennheiser SKM 100 G4.

A variant of the handheld vocal radio microphone shall be equipped with a mute switch, which shall be switchable between "AF on/off", "RF on/off" and "Disabled" via the user interface.

The radio microphone shall be the Sennheiser SKM 100-S G4.