



## evolution wireless G4 SKM 300 G4-S | Handheld Transmitter



Powerful handheld transmitter with a lightweight aluminum housing, increased bandwidth and transmission power, and integrated mute switch for evolution wireless G4 300 Series systems, delivering exceptional speech intelligibility in Business and Education.

### FEATURES

- Powerful handheld transmitter with a lightweight aluminum housing for use with the renowned e 865 capsule (recommended)
- Easy to use, fast setup time
- Integrated network port allows control, monitoring and setup via Sennheiser Control Cockpit and WSM Software
- Broad range of products and existing accessories (such as microphones) allows usage in any kind of environment
- Up to 88 MHz bandwidth, up to 32 channels
- Increased RF output power (10/30/50 mW)
- Transmission Range: up to 100 meters / 330 feet
- Compatible with wireless speaker system LSP 500 PRO
- RC (remote control) switch available for the bodypack transmitter

### DELIVERY INCLUDES

- SKM 300 G4-S handheld transmitter
- MZQ 1 microphone clamp
- 2 AA batteries
- pouch
- quick guide
- safety guide
- manufacturer declaration sheet

### PRODUCT VARIANTS

#### Made in Germany

|                         |                 |                 |
|-------------------------|-----------------|-----------------|
| <b>SKM 300 G4-S-K+</b>  | 925 - 937.5 MHz | Art. no. 507727 |
| <b>SKM 300 G4-S-GBw</b> | 606 - 678 MHz   | Art. no. 507728 |
| <b>SKM 300 G4-S-Gw</b>  | 558 - 626 MHz   | Art. no. 507729 |
| <b>SKM 300 G4-S-Bw</b>  | 626 - 698 MHz   | Art. no. 507730 |
| <b>SKM 300 G4-S-Cw</b>  | 718 - 790 MHz   | Art. no. 507731 |
| <b>SKM 300 G4-S-Dw</b>  | 790 - 865 MHz   | Art. no. 507732 |
| <b>SKM 300 G4-S-Aw+</b> | 470 - 558 MHz   | Art. no. 508407 |

#### Assembled in USA

|                         |               |                 |
|-------------------------|---------------|-----------------|
| <b>SKM 300 G4-S-AS</b>  | 520 - 558 MHz | Art. no. 508067 |
| <b>SKM 300 G4-S-JB</b>  | 806 - 810 MHz | Art. no. 508068 |
| <b>SKM 300 G4-S-Gw</b>  | 558 - 626 MHz | Art. no. 508069 |
| <b>SKM 300 G4-S-Bw</b>  | 626 - 698 MHz | Art. no. 508070 |
| <b>SKM 300 G4-S-Cw</b>  | 718 - 790 MHz | Art. no. 508071 |
| <b>SKM 300 G4-S-Dw</b>  | 790 - 865 MHz | Art. no. 508072 |
| <b>SKM 300 G4-S-Aw+</b> | 470 - 558 MHz | Art. no. 508428 |
| <b>SKM 300 G4-S-Gw1</b> | 558 - 608 MHz | Art. no. 508449 |



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### ACCESSORIES

|                      |   |                 |                          |   |                 |
|----------------------|---|-----------------|--------------------------|---|-----------------|
| <b>MMD 935</b>       | cardioid dynamic microphone head                          | Art. no. 502577 | <b>Neumann KK 204</b>    | condenser cardioid microphone head, nickel      | Art.-no. 008651 |
| <b>MMD 945</b>       | supercardioid dynamic microphone head                     | Art. no. 502579 | <b>Neumann KK 204 BK</b> | condenser cardioid microphone head, black       | Art.-no. 008652 |
| <b>MMK 965</b>       | condenser microphone head with switchable characteristics | Art. no. 502582 | <b>Neumann KK 205</b>    | condenser supercardioid microphone head, nickel | Art.-no. 008653 |
| <b>MD 9235 BK</b>    | cardioid dynamic microphone head, black                   | Art.-no. 502585 | <b>Neumann KK 205 BK</b> | condenser supercardioid microphone head, black  | Art.-no. 008654 |
| <b>MD 9235 NI</b>    | cardioid dynamic microphone head, nickel                  | Art.-no. 502586 | <b>BA 2015</b>           | rechargeable battery                            | Art. no. 009950 |
| <b>MD 9235 NI/BK</b> | cardioid dynamic microphone head, nickel/black            | Art.-no. 502591 | <b>LA 2</b>              | charging adapter for L 2015 charger             | Art. no. 503162 |
|                      |   |                 | <b>L 2015</b>            | charger   | Art. no. 009828 |
|                      |   |                 | <b>KEN 2</b>             | identification rings                            | Art. no. 530195 |

### SPECIFICATIONS

#### RF characteristics

|                          |   |
|--------------------------|---|
| Modulation               | Wideband FM   |
| Frequency ranges         | Aw+: 470 - 558 MHz<br>AS: 520 - 558 MHz<br>Gw1: 558 - 608 MHz<br>Gw: 558 - 626 MHz<br>GBw: 606 - 678 MHz<br>Bw: 526 - 698 MHz<br>Cw: 718 - 790 MHz<br>Dw: 790 - 865 MHz<br>JB: 806 - 810 MHz<br>K+: 925 - 937.5 MHz |
| Transmission frequencies | Max. 3520 frequencies, adjustable in 25 kHz steps<br><br>20 frequency banks, each with up to 32 factory-pre-set channels, no intermodulation<br><br>6 frequency banks with up to 32 programmable channels           |
| Switching bandwidth      | up to 88 MHz  |
| Nominal/peak deviation   | ±24 kHz / ±48 kHz   |
| Frequency stability      | ≤ ±15 ppm   |
| RF output power at 50 Ω  | switchable:<br>Low: typ. 10 mW<br>Standard: typ. 30 mW<br>High: typ. 50 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) | ≥ 115 dBA                       |
| Total harmonic distortion (THD)              | ≤ 0.9 %                         |
| Setting range for input sensitivity          | 48 dB, adjustable in 6 dB steps |

#### Overall device

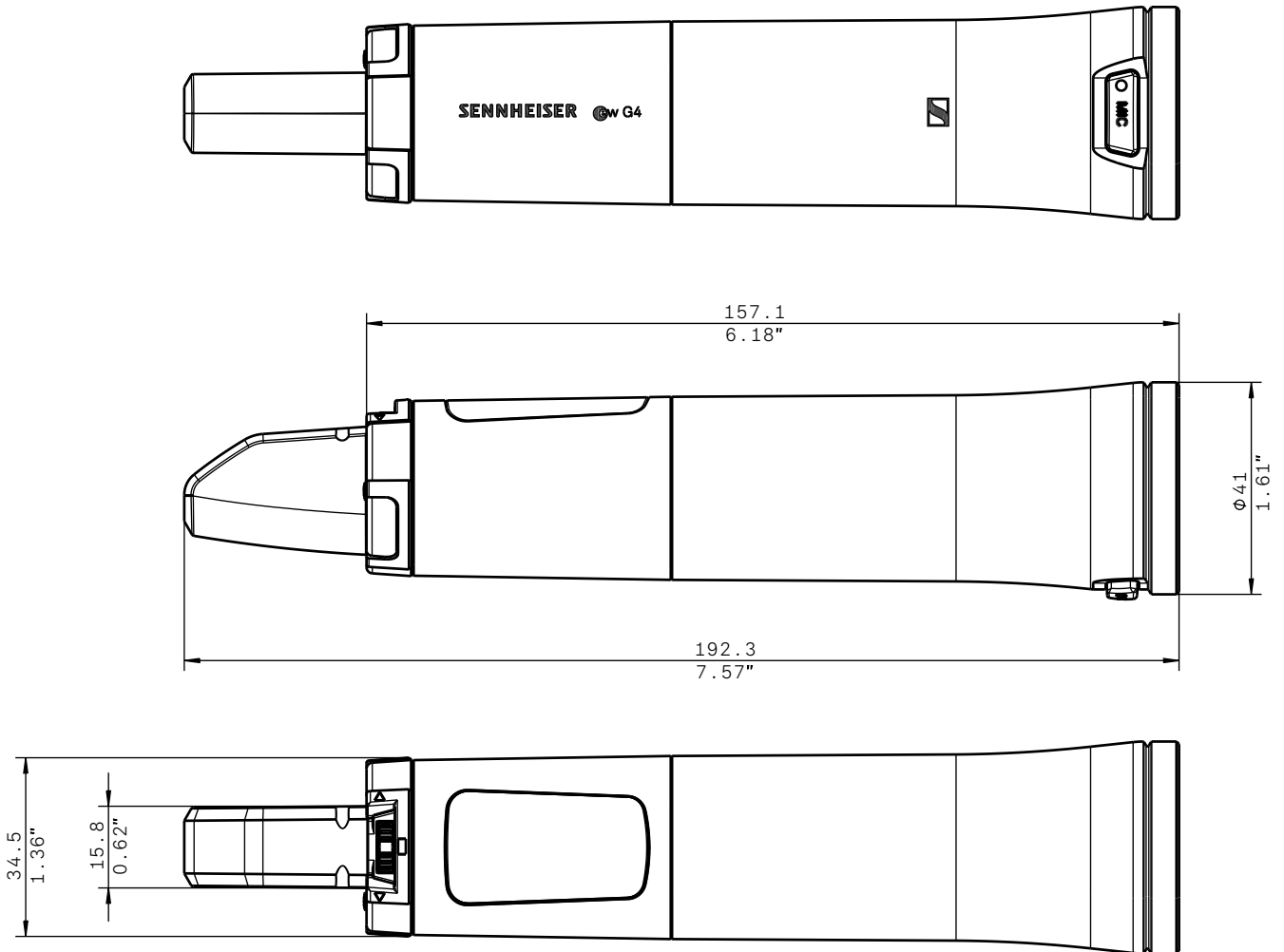
|                          |  |
|--------------------------|--|
| Temperature range        | -10 °C to +55 °C   |
| Power supply             | 2 AA batteries, 1.5 V or BA 2015 accupack                                    |
| Nominal voltage          | 3 V battery / 2.4 V rechargeable battery                                     |
| Current consumption      | at nominal voltage:<br>typ. 180 mA<br>with transmitter switched off: ≤ 25 µA |
| Operating time           | Typically 8 h  |
| Dimensions               | Approx. Ø 50 x 265 mm  |
| Weight (incl. batteries) | approx. 450 g  |



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### DIMENSIONS





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### ARCHITECT'S SPECIFICATION

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

The handheld transmitter shall operate within ten UHF frequency ranges, with a switching bandwidth of up to 88 MHz: 470 – 558 MHz, 520 – 558 MHz, 558 – 608 MHz, 558 – 626 MHz, 606 – 678 MHz, 626 – 698 MHz, 718 – 790 MHz, 790 – 865 MHz, 806 – 810 MHz, 925 – 937.5 MHz; transmission frequencies shall be 3520 per range and shall be tunable in 25 kHz steps. The handheld transmitter shall feature 20 fixed frequency banks with up to 32 compatible frequency presets and 6 user banks with up to 32 user programmable frequencies.

The handheld transmitter 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 handheld transmitter parameters shall be programmable in the handheld transmitter menu. Receiver parameters such as receiving frequency, receiver name and pilot tone setting shall be synchronizable with the handheld transmitter via an integrated infrared interface.

The handheld transmitter shall be equipped with a mute switch, which shall be switchable between “AF on/off”, “RF on/off”, “Push to mute”, “Push to talk” and “Disabled” via the user interface.

Nominal/peak deviation shall be  $\pm 24$  kHz/ $\pm 48$  kHz. Frequency stability shall be  $\leq \pm 15$  ppm. RF output power at 50  $\Omega$  shall be switchable between 10 mW (typical, low) and 30 mW (typical, standard) and 50 mW (typical, high).

The handheld transmitter 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  $\geq 115$  dBA. Total harmonic distortion (THD) shall be  $\leq 0.9$  %. Input sensitivity shall be adjustable within a 48 dB range in steps of 6 dB.

Power shall be supplied to the handheld transmitter by two 1.5V 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;  $\leq 25$   $\mu$ A when handheld transmitter is switched off. Operating time shall be typical 8 hours. The handheld transmitter 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  $-10$   $^{\circ}$ C to  $+55$   $^{\circ}$ C ( $+14$   $^{\circ}$ F to  $+131$   $^{\circ}$ F). A range of microphone heads shall be available for the handheld transmitter.

The handheld transmitter shall be the Sennheiser SKM 300 G4-S.