Digital 6000
SK 6212 | Bodypack transmitter

The SK 6212 has been specifically designed to meet the demands of theatrical performances and broadcast applications. Weighing only 112 grams, it's ultra-small design makes every-day use easier for performers, make-up artists and costume designers alike. For audio engineers, the SK 6212 can still be directly operated and controlled via a display and buttons, and the intermodulation-free transmission technology is designed for an unbelievable 12 hours of continuous operation.

It's robust construction, rounded ergonomic design, and two versatile clips ensure the device is comfortable and secure, whether the user is acting, dancing or singing. The antennas and batteries are exchangeable and the metal housing is sealed for sweat resistance.

The SK 6212 can be combined with lavalier microphones and headsets. It provides maximum transmission reliability thanks to the legendary 'long-range mode', and outstanding audio quality thanks to the Sennheiser Digital Audio Codec (SeDAC), also used in the top-class Digital 9000 series. It's sophisticated transmission electronics generate no disruptive intermodulation, even when there are several transmitters in a very small space. Link Density Mode (LD mode) with efficiency-optimized Audio Codec (SePAC) ensures up to 5 channels per MHz bandwidth. As a result, operation within an equidistant frequency grid is possible. The available frequency spectrum is used efficiently and remains easy to configure.

FEATURES

- Compact, ultra-small design with ergonomically optimized construction (63 x 47 x 20 mm)
- Designed for 12 hours of continuous operation
- Made with ultra-light robust metal housing weighing only 112 grams
- Intermodulation-free transmission – permits more channels even in very narrow frequency spaces thanks to equidistant frequency grid and simple setup
- Superb sound and higher dynamic range thanks to Sennheiser Digital Audio Codec (SeDAC) and long-range mode, also found in the Digital 9000 series
- Link Density Mode (LD mode) with efficiency-optimized Audio Codec (SePAC) ensures up to 5 channels per MHz bandwidth
- Resistant to moisture and sweat
- Two detachable clips (0°/90°) for secure fit in any position
- Exchangeable antenna and battery
- Can be used with a variety of lavalier microphones and headsets

DELIVERY INCLUDES

- SK 6212 bodypack transmitter
- antenna
- clip, vertical
- clip, horizontal
- quick guide
- safety guide
- specification and manufacturer declaration sheet

PRODUCT VARIANTS

SK 6212 A1–A4	470.200 – 558.000 MHz	Art. no. 508513
SK 6212 A5–A8	550.000 – 638.000 MHz	Art. no. 508514
SK 6212 B1–B4	630.000 – 713.800 MHz	Art. no. 508515
SK 6212 A5–A8 US	550.000 – 607.800 MHz	Art. no. 508521
SK 6212 B1–B4 AU	630.000 – 693.800 MHz	Art. no. 508529

SYSTEM COMPONENTS

- EM 6000 / EM 6000 DANTE
- SKM 6000
- SK 6000
- L 6000

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SPECIFICATIONS

Frequency range	470.200 to 713.800 MHz
Modulation scheme	Digital modulation - Long Range Mode (LR) - Link Density Mode (LD)
Audio codec	LR: SeDAC (Sennheiser Digital Audio Codec) LD: SePAC (Sennheiser Performance Audio Codec)
Switching bandwidth	up to 88 MHz
Frequency stability	< 5 ppm
Tuneability	25 kHz steps
Lower cut-off-frequency (–3 dB)	adjustable: 30 Hz, 60 Hz, 80 Hz, 100 Hz, 120 Hz
RF output power	LR mode: - standard 15 mW rms - low 3.5 mW rms LD mode: 3.5 mW rms
Audio frequency response	LR: 30 Hz to 20 kHz (3 dB) LD: 30 Hz to 14 kHz (3 dB)
Audio Gain	Mic: adjustable in 3 dB steps from –6 dB to +42 dB
Audio input	3-pin audio socket
THD (Total harmonic distortion)	typ. 0.002%
SNR (Signal-to-noise ratio)	typ. 113 dB(A)
Encryption	AES 256
Antenna output	coaxial socket
Operating time	typ 12 h at 25 °C (with BA 62 accupack)
Dimensions (H × W × D)	approx. 63 × 47 × 20 mm
Weight	approx. 112 g (with BA 62 accupack and beltclip)

COMPATIBLE WITH

- EM 9046 in Long Range mode
- EK 6042

ACCESSORIES

BA 62	Rechargeable battery	Art. no. 508517
clip, horizontal		Art. no. 508570
clip, vertical		Art. no. 508571
flexible antenna	A1-A4	Art. no. 508572
flexible antenna	A5-A8	Art. no. 508573
flexible antenna	B1-B4	Art. no. 508574
stiff antenna	A1-A4	Art. no. 508888
stiff antenna	A5-A8	Art. no. 508889
stiff antenna	B1-B4	Art. no. 508890
MKE 1–4	Lavalier microphone, omni-directional	Art. no. 502167
MKE 2–4	Lavalier microphone, omni-directional)	Art. no. 004736
MKE 40–4	Lavalier microphone, cardioid	Art. no. 003579
HSP 2	Headset microphone, omni-directional	Art. no. 009862
HSP 4	Headset microphone, cardioid	Art. no. 009864
SL Headmic 1-4	Headset microphone, omni-directional	Art. no. 506905
MKE Essential Omni Black	Lavalier microphone, omni-directional	Art. no. 508251
MKE Essential Omni Beige	Lavalier microphone, omni-directional	Art. no. 508252
HSP Essential Omni Black	Headset microphone, omni-directional	Art. no. 508247
HSP Essential Omni Beige	Headset microphone, omni-directional	Art. no. 508248

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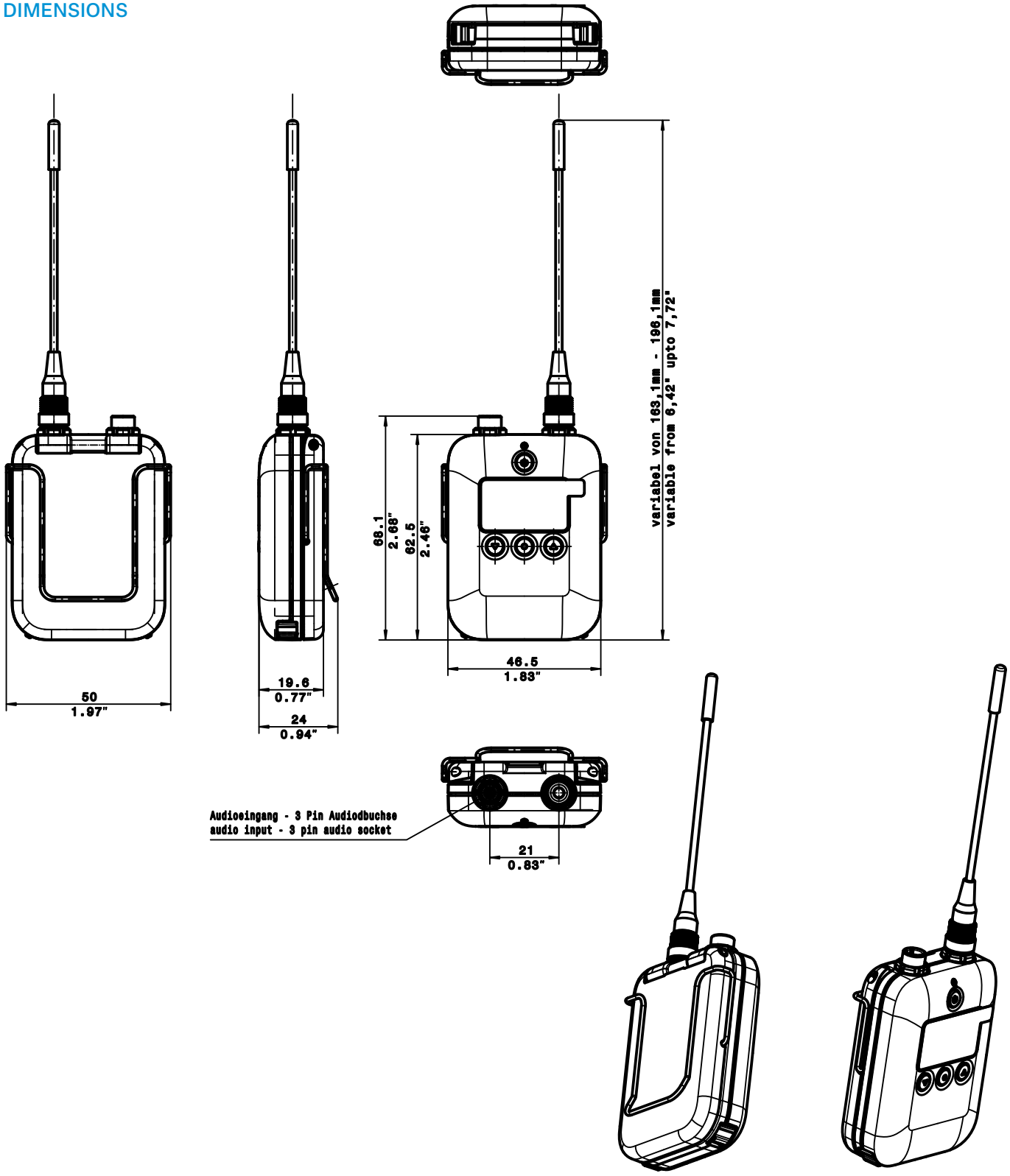
DIMENSIONS



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ARCHITECT‘S SPECIFICATION

The bodypack transmitter shall be for use with a companion receiver as part of a true digital wireless RF transmission system. The bodypack transmitter shall operate in the UHF frequency range between 470.200 and 713.800 MHz. Different frequency variants shall be available depending on country-specific regulations.

The bodypack shall feature an OLED display showing battery status, the frequency or the channel name, the status of the lock mode, the AES 256 encryption status and warnings. An additional homescreen shall display the AF level only. Remaining operating time shall be indicated by both a battery icon and numeric indication in hours and minutes. All transmitter parameters shall be adjustable with function buttons on the device itself or by infrared synchronization via the associated receiver. The function buttons shall be lockable against accidental misuse.

The frequency switching bandwidth shall be up to 88 Mhz with a frequency stability of < 5 ppm and a tunability of 25 kHz steps. RF output power shall be switchable between 14 mW rms and 4 mW rms.

The transmitter shall feature an LED indicating the operating status when the device is switched on. The LED shall indicate audio peaks and low battery and shall be defeatable when the device is in lock mode.

The transmitter’s microphone input shall utilize a lockable 3-pin audio socket. The AF frequency response shall range from 30 – 20,000 Hz. The lower frequency limit (-3 dB) shall be adjustable between 30 Hz, 60 Hz, 80 Hz, 100 Hz or 120 Hz. The Audio amplification shall be adjustable in steps of 3 dB from -6 dB to +42 dB.

The transmitter shall be compatible with microphones for every application: Sennheiser lavalier microphones MKE 1, MKE 2, MKE Essential and MKE 40, Sennheiser headset microphones HSP 2, HSP 4, HSP Essential and SL Headmic 1-4.

The transmitter shall be powered by the Sennheiser lithium-polymer rechargeable battery pack BA 62 with a typical operating time of 12 hours. The rechargeable battery pack shall be exchangeable. The housing of the transmitter shall be made of aluminum with a detachable vertical and horizontal belt clip. The antenna shall utilize a coaxial socket and be detachable by the user.

Dimensions shall be approximately 63 x 47 x 20 mm. Weight (with battery pack and belt clip) shall be approximately 112 grams. Operating temperature shall range from –10 °C to +50 °C (+14 °F to +122 °F).

The bodypack transmitter shall be the Sennheiser SK 6212.