These days, theater shows and live transmissions are all staged in a very complex manner. The requirements placed on professional wireless sound transmission are growing—and so is the time and cost pressure involved in productions. On the one hand, your system must fulfill global production standards and be extremely flexible. On the other, it is important to make a sound investment and select a system that you can rely on for years, one that works dependably for daily use and rental. A professional wireless system is required—a system that can grow with your needs, and thanks to its intuitive design, not only saves you time but can be used in a versatile manner.
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SK 2000 The compact SK 2000 bodypack transmitter is both versatile and reliable for the wireless transmission of instruments and voices. Bass guitar players in particular appreciate its outstanding audio quality, thanks to an extended audio frequency range (25–20,000 Hz). A particularly robust Sennheiser connector enables sound transmission with the clip-on MKE 1 microphone (highly suitable for use in musicals, broadcasts and film). The rugged SK 2000 can be used anywhere, both indoors and out.

EM 2000/EM 2050 The heart of the 2000 series is the EM 2000 true diversity receiver, available as a 19-inch unit with single- or double-channel designs. With five UHF frequency ranges and a switching bandwidth of up to 75 MHz, it offers great flexibility. With the help of its Ethernet connection, professional frequency management takes place directly through WSM (Wireless System Manager) software on your PC. The transmitters’ automatic synchronization via an infrared interface saves valuable time during set-up. The integrated antenna loop-through enables systems that have up to 16 channels to be set up without an external splitter. The integrated guitar tuner makes the EM 2000 the perfect wireless system for guitarists when used in combination with the SK 2000.

SKM 2000 Whether in the studio or for outdoor broadcasts: the SKM 2000 is perfect for any live situation. Its powerful sound and robust metal housing make it a top-class vocal microphone, which has already proved itself on the largest stages of the world. External contacts make charging even easier, and the legible display on the handheld transmitter provides easy access to all menus. In addition, the RF output power is adjustable (10/30/50 mW, 100 mW for the US version). The SKM 2000 is compatible with all evolution capsules from the 800 series (black) and the award-winning 900 series (blue, black). What is more, for the 2000 series, the real condenser capsule e 965 (nickel) is now also available for wireless transmitter.
Your Mix

Your Link

Wireless Monitoring
**SR 2000/SR 2050** The stationary SR 2000 transmitter in a robust 19-inch housing is available as a single- and double-channel transmitter. In addition to the intuitive menu, the Ethernet connection makes operation very user-friendly. Use it to monitor and control your entire Sennheiser system remotely, directly from a PC. With its switching bandwidth of up to 75 MHz in five UHF frequency ranges and its adjustable transmission power (10/30/50 mW, 100 mW for the US version), the transmitters of the 2000 series can be used in a particularly flexible manner. The 5-band graphic EQ allows you to individually adjust the sound within the transmission path.

**EK 2000 IEM** This wireless monitoring bodypack receiver is extremely robust in two different ways. The metal-reinforced battery cover is particularly well-suited for the rough-and-tumble world of everyday stage life. What’s more, transmission security has been boosted by integrating adaptive diversity. With this technology, the earphone cable functions as a second antenna, significantly reducing the number of drop-outs.
Your Message
Your Solution
ENG
EK 2000 This robust portable camera receiver is immediately ready to go. Thanks to its expanded switching bandwidth of 75 MHz with five selectable UHF frequency ranges, it can be used flexibly, especially where numerous camera teams are working in parallel action.

The transmission reliability of the 2000 camera series has been significantly increased by integrating adaptive diversity. With this technology, the line cable to the camera functions as a second antenna, which reduces the number of interruptions.

SKP 2000 The SKP 2000 portable plug-on transmitter with phantom powering enables wireless sound transmission for cabled reportage microphones. Its graphic display facilitates adjustments and the storage of settings, even under poor lighting conditions. Its adjustable RF output power (10/30/50 mW, 100 mW for the US version) makes the SKP a powerful companion on any mobile shoot.

MD 46 The classic reportage microphone for reliable and professional sound transmission—regardless of whether in the studio or for outdoor broadcasts.

Compatible equipment: Depending upon the field of use, you can select from a wireless handheld transmitter, a clip-on microphone with a SK 2000 bodypack transmitter or a wired microphone in combination with the SKP 2000 plug-on transmitter.
Your Needs
Your Accessories

AC 3200 Active antenna combiner

A-5000 CP Circular polarized helical

A 3700 Omnidirectional antenna with integrated AB 3700 antenna booster

AD 3700 Directional antenna with integrated AB 3700 antenna booster

AB 3700 Antenna booster

L 2015 Charging unit for SK/EK

LA 2 Charging adapter for SKM

BA 2015 Rechargeable battery pack
Versatile accessories, developed for professional requirements, enable you to make the most of your Sennheiser system.
Your Task
Your Setup
System examples

The 2000 series can be used in a flexible manner. It covers the entire spectrum, from single-channel installation to multichannel systems used in complex live transmissions. Here are some examples.

1. 1-channel wireless mic application

   SKM 2000 + AD 3700 → EM 2000
   or
   AD 3700

2. 16-channel wireless mic application

   SK 2000* + HSP 2 or MKE 1
   + HSP 2 or MKE 1
   → EM 2050
   or
   AD 3700

   *or SKM 2000

1-channel wireless mic application

2-channel wireless mic application
Regardless of whether for the theater, broadcasting, live events or conferences: the Sennheiser 2000 series is the first choice among sound engineers and rental companies around the world. This versatile system allows you to master complex stage events in a flexible and reliable manner. In the field of broadcasting, the 2000 series is your personal ticket to the world of professional wireless sound transmission.

Low switching bandwidth, flexible frequency management. With up to 75 MHz switching bandwidth, the 2000 series shows true strength, especially for touring shows, which force you to adapt to new overall requirements at a moment’s notice. After all, you need a flexible system that you can rely on—especially in a reduced-frequency spectrum, which is often used in different ways internationally. In this area, Sennheiser assures an absolutely dependable transmission.

Operation: simple, fast and reliable. An intuitive menu navigation and a clear dot-matrix display make operating the 2000 series extremely easy and convenient. Even users who only work with the 2000 series occasionally can quickly adapt and control system settings. This eliminates the chance of any undesired modifications. An intelligent warning system provides additional security.

Software: always up-to-date. Thanks to the integrated Ethernet connection, all stationary devices can be plugged directly into the network. With the Sennheiser Wireless Systems Manager Software (WSM), all the operating statuses of the transmitter and receiver can be remotely monitored and controlled. Sennheiser is the only manufacturer to offer software that integrates both wireless microphones plus monitoring systems and professional/semi-professional series from various generations within a single platform. After registering on www.sennheiser.com, you can download this intelligent software and will also be regularly updated on all the new features.

Professional hardware. The stationary units are equipped with a robust 19-inch metal housing and integrated switching power-supply units. With the built-in active splitter, the HF signal can be fed directly into the EM 2000 and EM 2050 receivers, so that systems with up to 16 channels can be set up without an external splitter.

Cost efficiency. The 2000 series ensures absolute cost efficiency, because it is a modular system that you can expand flexibly as your requirements grow. You can also use recommended professional Sennheiser accessories in a variable manner with the 3000 and 5000 series. Environmental responsibility is on the rise around the world, and Sennheiser is staying abreast of these developments with the new 2000 series. All portable devices can be operated with rechargeable batteries, and—with the exception of the SKP 2000 plug-on transmitter—have external charging contacts.

The sound reference. The name Sennheiser stands like virtually no other for an unwavering pioneering spirit in the field of electroacoustic all-in-one solutions. Over the years, Sennheiser has continually set benchmarks, particularly in the area of professional multichannel systems. The goal has always been to provide top sound, both for recordings and on live stages. The 2000 series in particular has benefitted from this expertise. It reflects Sennheiser’s standard of providing the highest level of quality and reliability.
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Your Choice

Your Tool

Wireless Microphone Systems

SR 2000

A 5000 CP

1-channel wireless monitoring application

EM 2050

SR 2050

AC 3200

8-channel wireless monitoring application

SR 2050

SR 2050

SR 2050

AC 3200

1-channel wireless monitoring application

SR 2000

A 5000 CP

24-channel wireless mic application

SR 2000

HSP 2

or

SKM 2000 BK + MMD 935 BK

SR 2050

SR 2050

SR 2050

SR 2050

SKM 2000 BK + MMD 945 BL

SR 2000

HSP 2

or

SKM 2000 BK + MMD 965 NI

SKM 2000 NI + MMK 965 NI
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The sound reference. The name Sennheiser stands like virtually no other for an unwaning pioneering spirit in the field of electroacoustic all-in-one solutions. Over the years, Sennheiser has continuously set benchmarks, particularly in the field of professional multichannel systems. The Sennheiser 2000 series has received numerous awards for its innovative design and technology. The 2000 series in particular has benefited from this expertise. It reflects Sennheiser’s standard of providing the highest level of quality and reliability.
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### System

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<td><strong>Sensitivity (with HDX, peak deviation)</strong></td>
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<td><strong>typ. 10 µV for 115 dBA eff S/N</strong></td>
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<td><strong>Adjacent channel selection/spacing</strong></td>
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<td><strong>Intermodulation attenuation</strong></td>
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<td><strong>Blocking</strong></td>
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<td><strong>Squelch off, 5 … 25 dB µV in 2-dB steps</strong></td>
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<td><strong>Loop-through outputs</strong></td>
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<tr>
<td><strong>Gain</strong></td>
</tr>
</tbody>
</table>

### AF PARAMETERS

| Audio bandwidth                  | 25 Hz ... 18 kHz         |
| EQ presets (switchable, EQ filters) | Preset 1: “Flat”        |
|                                 | and monitor outputs      |
|                                 | Preset 2: “Low Cut” –3 dB @ 180 Hz |
|                                 | Preset 3: “Low Cut/High Boost” –3 dB @ 180 Hz / +6 dB @ 10 kHz |
| **AF output level**              | 6.3 mm jack (transformer balanced) +12 dBu |
|                                 | XLR (transformer balanced) +18 dBu |
| **Adjustment range**             | 48 dB (adjustable in 1-dB steps) |
| **+6 dB gain reserve**           |                           |

### GENERAL DATA

| **Operating voltage**            | 100–240 V AC, 50/60 Hz |
| **Mains connector**              | 3-pole, class I         |
| **Booster feed**                 | 12 V DC, 2 x 200 mA, short-circuit-proof |
| **Ethernet**                     | RJ-45 socket (2 x for EM 2050) |
| **Power consumption**            | max. 50 VA, 20 W (AC)   |
| **Dimensions**                   | approx. 217 x 483 x 43 mm |
| **Weight**                       | EM 2000: approx. 2,600 g |
|                                 | EM 2050: approx. 2,900 g |

### SKM 2000

<table>
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<tr>
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<td><strong>Frequency ranges</strong></td>
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<td><strong>Nominal / peak deviation</strong></td>
</tr>
<tr>
<td><strong>Squelch pilot tone squelch, switchable</strong></td>
</tr>
</tbody>
</table>

### AF PARAMETERS

| **Compander system**             | Sennheiser HDX         |
| **Signal-to-noise ratio**        | ≥ 120 dBA              |
| **THD (at nominal deviation, 1 kHz)** | ≤ 0.9%                |

### GENERAL DATA

| **Temperature range**            | –10 °C … +55 °C         |
| **Relative humidity max.**       | 85%                    |

### SK 2000

<table>
<thead>
<tr>
<th>RF PARAMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency stability</strong></td>
</tr>
<tr>
<td><strong>Switchable RF output power</strong></td>
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</table>

### AF PARAMETERS

| **Audio bandwidth**              | 80 Hz ... 18 kHz       |
| **Sensitivity**                  | 60 dB, adjustable in 3-dB steps |

### GENERAL DATA

| **Power supply**                 | 2 AA batteries, 1.5 V  |
| **Operating voltage**            | 2.4 V                 |
| **Power consumption**            | at nominal voltage typ. 180 mA (30 mW) |
|                                 | when switched off ≤ 25 µA |
| **Operating time**               | typ. 8 h               |
| **Dimensions**                   | approx. 50 x 265 mm   |
| **Weight (incl. batteries)**     | approx. 450 g         |
Whether for recording or live feeds: Perfect sound and reliability are an absolute must in TV and film—and a clear indication of a successful broadcast. The 2000 series is your ticket to the professional league of wireless sound transmission. It will accompany you on every shoot—whether on mobile location shots or in the studio.

A large number of actors and channels requires a system that can perform flawlessly in multichannel applications. At the same time, many stages have limited budgets. The 2000 series’ outstanding price-performance ratio is truly convincing.

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### Technical Data

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<th><strong>SKM 2000</strong></th>
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<tr>
<td><strong>RF PARAMETERS</strong></td>
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<tr>
<td>Frequency ranges</td>
<td>516–558 MHz, 558–626 MHz, 626–698 MHz, 718–790 MHz, 790–865 MHz</td>
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</tr>
<tr>
<td>Receiving and transmission frequencies</td>
<td>20 fixed-frequency banks with up to 64 channels each, 6 user banks with up to 64 channels, adjustable in 25-kHz steps</td>
<td></td>
</tr>
<tr>
<td>Switching bandwidth</td>
<td>up to 75 MHz</td>
<td></td>
</tr>
<tr>
<td>Nominal / peak deviation</td>
<td>±24 kHz / ±48 kHz</td>
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<tr>
<td>Squelch pilot tone</td>
<td>squelch, switchable</td>
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<td>AF PARAMETERS</td>
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The robust and compact system components provide reliable transmission for speaking and singing, even in dance and acrobatic performances.

### System

#### RF PARAMETERS

- **Receiver principle**: true diversity
- **Sensitivity (with HDX, peak deviation)**: ≤ 2.5 µV for 52 dBAeff S/N, typ. 10 µV for 115 dBA eff S/N
- **Adjacent channel selection/spacing**: typ. ≥ 80 dB / ±800 kHz
- **Intermodulation attenuation**: ≥ 75 dB
- **Blocking**: ≥ 80 dB
- **Squelch off, 5 … 25 dB µV in 2-dB steps**
- **Antenna inputs**: 2 BNC connectors (50 Ω)
- **Loop-through outputs**: 2 BNC connectors (50 Ω)
- **Gain**: 0 dB ±0.5 dB (ref. antenna input)

#### AF PARAMETERS

- **Audio bandwidth**: 25 Hz ... 18 kHz
- **EQ presets**: (switchable, EQ filters line) Preset 1: "Flat" and monitor outputs
  - Preset 2: "Low Cut" –3 dB @ 180 Hz
  - Preset 3: "Low Cut/High Boost" –3 dB @ 180 Hz / +6 dB @ 10 kHz
- **AF output level (at peak deviation, 1 kHz AF)**:
  - 6.3 mm jack (transformer balanced) +12 dBu
  - XLR (transformer balanced)  +18 dBu
- **Adjustment range**: 48 dB (adjustable in 1-dB steps)
- **+6 dB gain reserve**

#### GENERAL DATA

- **Operating voltage**: 100–240 V AC, 50/60 Hz
- **Mains connector**: 3-pole, class I
- **Booster feed**: 12 V DC, 2 x 200 mA, short-circuit-proof
- **Ethernet**: RJ-45 socket (2 x for EM 2050)
- **Power consumption**: max. 50 VA, 20 W (AC)
- **Dimensions**: approx. 217 x 483 x 43 mm
- **Weight**: EM 2000: approx. 2,600 g
  - EM 2050: approx. 2,900 g

### SKM 2000

#### RF PARAMETERS

- **Frequency stability**: ≤ ±15 ppm
- **Switchable RF output power**: typ. 10 mW (low)
  - typ. 30 mW (standard)
  - typ. 50 mW (high)
  - typ. 100 mW (max) (US version only)

#### AF PARAMETERS

- **Audio bandwidth**: 80 Hz ... 18 kHz
- **Sensitivity**: 48 dB, adjustable in 6-dB steps

#### GENERAL DATA

- **Power supply**: 2 AA batteries, 1.5 V or rechargeable BA 2015 accupack
- **Operating voltage**: 2.4 V
- **Power consumption**: at nominal voltage  typ. 180 mA (30 mW)
  - when switched off: ≤ 25 µA
- **Operating time**: typ. 8 h
- **Dimensions**: approx. 50 x 265 mm
- **Weight (incl. batteries)**: approx. 450 g
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On the one hand, your system must fulfill global production standards and be extremely flexible. On the other, it is important to make a sound investment and select a system that you can rely on for years, one that works dependably for daily use and rentals. A professional wireless system is required—a system that can grow with your needs, and thanks to its intuitive design, not only saves time but can be used in a versatile manner.