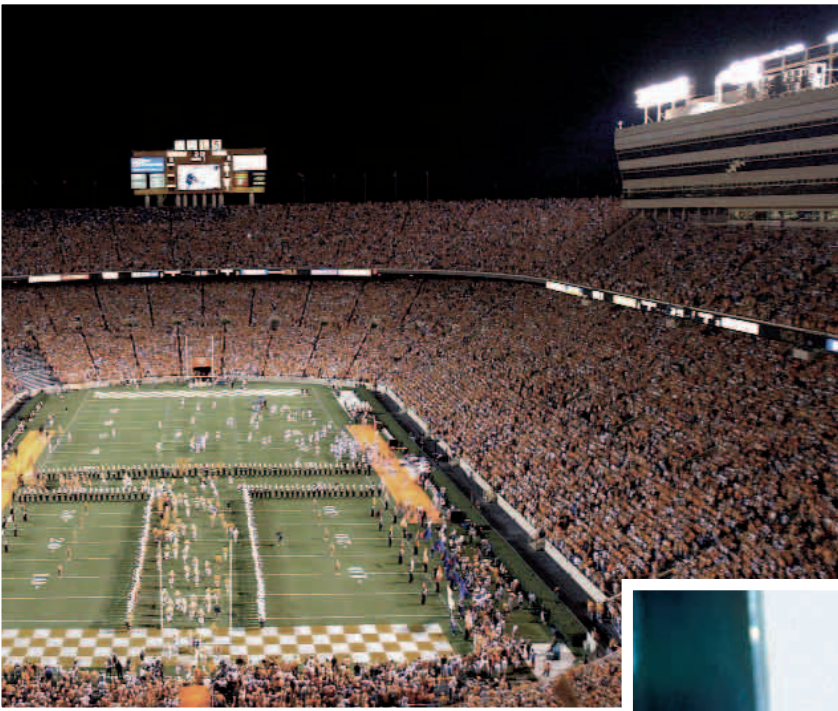


 **SENNHEISER**

The world is
your stage



Sennheiser Professional Wireless Series



Sennheiser is a hit on Broadway...

...and there are plenty of reasons why, but it all boils down to quality: Sennheiser offers the most comprehensive RF wireless product portfolio worldwide, with complete system solutions for every broadcast, stage or theater production. There are microphones of every sort and a wide range of accessories and custom-made "specials". Whenever and wherever needed—our RF support team assists users around the globe. At the very top of the range is the Professional RF Series: Bringing together everything we know about RF wireless technology.

Sennheiser systems are the only solution for large multichannel applications. Thanks to our excellent filter technology and meticulous engineering work, users get more channels in a smaller bandwidth than with any other system available. Even under the most adverse conditions, a Sennheiser Professional RF system will provide reliable operation, or, as our customers put it: "Sennheiser RF works where others fail".

Here you will find the highlights of the new series, including the amazing SKM 5200 handheld and the incredibly small SK 5212 bodypack transmitter. Taking the Professional RF Series as a whole, you will find that the great flexibility of the complete system lets you run your setup even in the most difficult RF environments. You can order the wireless microphone systems in the entire UHF range from 450 to 960 MHz. Our new professional wireless microphone series is compatible with preceding equipment, ensuring that Sennheiser always remains a worthwhile investment. And our special extra for demanding artists: Sennheiser handheld transmitters take the famous Neumann sound into the wireless world.



Improved mechanical construction for rough stage and broadcast use.

Backlit LC display: enables the adjustment of all the selectable parameters of the SKM 5200.



SKM 5200 Crystal-clear natural sound

and supreme frequency agility make the SKM 5200 the ideal RF wireless microphone for demanding productions, shows and broadcast applications.

New features were added to the already legendary audio quality. Eight interchangeable microphone heads, including two Neumann capsules, let you take on every task. Sensitivity can be switched in 1 dB steps to adapt to any recording situation. The switchable low-cut filter reduces wind noise whenever needed.

Programming frequencies is easy. The SKM 5200 has two channel banks, one fixed and one variable. You can select 32 preset frequencies for the fixed bank, allowing the transmitter to be quickly integrated into existing RF environments. The variable bank lets you program up to 20 UHF frequencies in 5 kHz steps. All settings can easily be modified via a convenient multifunction switch. A backlit LCD clearly indicates all audio and RF settings, while an automatic lock mode avoids accidental changes.

Only one
AA battery necessary.



SK 5212 Small size, big performance. This surprisingly small bodypack transmitter (60 x 50 x 17 mm) is a distillation of the latest technology arising from Sennheiser's vast experience in RF wireless transmission. Rugged but light, the SK 5212 is ideal for theater, stage, TV, movies, musical shows and all applications where a bodypack transmitter needs to be invisible.

The SK 5212 features comfortable operation with its jog wheel and backlit display. Tunable frequencies in 5 kHz steps provide true flexibility to match the most demanding frequency situation.

Its wide range of input sensitivity, adjustable in 1 dB steps from -30 to +40 dB makes this transmitter versatile enough for every requirement, from quiet interview situation to powerful singers in musical and stage performances. Switchable RF power, battery status transmission and a selectable low-cut filter ensure you the optimum in sound and performance.

You can choose from a large series of microphones and accessories including lavalier microphones and headband microphones to match the needs of every thinkable situation.

The SK 5212 delivers all these features—but needs only one AA battery.



EK 3041 The perfect connection.

The EK 3041 is a miniature true diversity radio-microphone receiver designed for use with a wide range of camcorders. Extremely lightweight and compact, it can be inserted into the slot-in facility of Panasonic, Sony, Thomson and Ikegami camcorders without any additional connecting cables being required.

A wide range of accessories allows camera-slot-in and stand-alone operation. For the highest versatility, the receiver can be supplied in the complete UHF band from 450 to 960 MHz, making the unit easily adaptable to worldwide RF conditions.



EM 3532 True flexibility.

The EM 3532 consists of two complete true diversity receivers with tunable receiving frequencies in the UHF band. Up to 32 frequencies can be stored in memory. It features an internal antenna splitter, as well as "HiDyn plus" noise reduction. Due to its high level of operational reliability, menu-assisted operation and flexibility, this receiver is cost-effective and especially suitable for demanding theater and broadcast applications. The fixed frequency receivers EM 3031 and EM 3032 offer an even more cost-effective choice for smaller setups. All these receivers feature 36 MHz of switching bandwidth.



EM 1046 The highest standards of operational reliability.

At the heart of any professional wireless system is the EM 1046 receiver. This is a true diversity multichannel receiver with adjustable squelch and "HiDyn plus" noise reduction system that delivers reference sound quality. All functions can be quickly checked via an alphanumeric multifunction display panel and LED bargraphs. Menu-assisted operation allows parameters to be quickly and easily modified. The modules have been adjusted to the new standards of the Professional RF Series (36 MHz switching bandwidth).

Up to 8 modules can be combined in a mainframe and several mainframes can be daisy-chained.

Specifications

SKM 5200

RF output power	typ. 50 mW (-3 dB)	THD (at nominal deviation)	< 0.5%
Transmission frequencies	32 "FIX", 20 "VAR" (in steps of 5 kHz)	Sensitivity	switchable in steps of 1 dB
Frequency range	450–960 MHz	Power supply	1. B 5000-1 (primary cells, type AA) 2. BA 5000-1 (rechargeable battery pack)
Switching bandwidth	36 MHz	Operating time	1. B 5000-1 > 8 hrs 2. BA 5000-1 > 8 hrs
Modulation	wideband FM	Dimensions	200 mm; Ø 35.5 mm
Nominal/peak deviation	± 40 kHz/± 56 kHz	Weight (incl. battery)	approx. 300 g
Noise reduction system	HiDyn <i>plus</i> TM		
Audio frequency response	60–20,000 Hz		
Signal-to-noise ratio	> 114 dB(A) _{rms}		

SK 5212

RF output power	typ. 50/10 mW	Signal-to-noise ratio	> 110 dB(A) _{rms}
Transmission frequencies	32 "FIX", 20 "VAR" (in steps of 5 kHz)	THD (at nominal deviation)	< 0.3%
Frequency range	450–960 MHz	Connectors	audio: special 3-pole adapter connector RF: special coaxial connector
Switching bandwidth	36 MHz	Operating time	approx. 11 hrs (power low) approx. 5 1/2 hrs (power high)
Modulation	wideband FM	Dimensions	53 x 60 x 17 mm
Nominal/peak deviation	± 40 kHz/± 56 kHz	Weight (incl. battery)	approx. 120 g
Noise reduction system	HiDyn <i>plus</i> TM		
Audio frequency response	60–20,000 Hz		

EK 3041

Receiving frequencies	32	Sensitivity	< 2 µV
Frequency range	450–960 MHz	Audio output	max. +9 dBu, balanced
Switching bandwidth	24 MHz	Power supply	10.5–18 V DC/32 mA 1.8–4.5 V DC/150 mA 5–9 V DC/70 mA
Modulation	wideband FM	Connection	via adapter
Nominal/peak deviation	± 40 kHz/± 56 kHz	Dimensions	120 x 74 x 28 mm
RF squelch	0–100 µV, adjustable	Weight	approx. 200 g
Signal-to-noise ratio	max. 114 dB(A)		
Audio frequency response	50–20,000 Hz		
THD	≤ 0.5 %		

EM 3532

Receiver type	twin receiver	THD (1 kHz)	≤ 0.3% (typ. 0.15%)
Receiver frequencies	tunable in steps of 5 kHz (4,800)	RF inputs	2 BNC sockets, 50 Ω
Frequency range	450–960 MHz	Audio output, balanced XLR	max. 18 dBu, adjustable
Switching bandwidth	36 MHz	Headphone output	max. 12 dBu, adjustable
Nominal/peak deviation (1 kHz)	± 40 kHz/± 56 kHz	Output impedance	≤ 50 Ω
RF squelch	0–100 µV, adjustable	Housing	19", 1 U
Signal-to-noise ratio	> 117 dB(A) _{rms}	Dimensions	436 x 43 x 215 mm
Audio frequency response	45–20,000 Hz (-3 dB)	Weight	approx. 4.0 kg

EM 1046

Frequency setting	in 5 kHz steps, or a max. of 32 frequencies	Signal-to-noise ratio	≥ 107 dB(A) ≥ 105 dB(CCIIR)
Frequency range	450–960 MHz	Noise reduction system	HiDyn <i>plus</i> TM
Min. channel spacing	300 kHz	Audio frequency response	20–20,000 Hz
Switching bandwidth	24 MHz	THD	≤ 1% (typ. 0.5%)
Nominal/peak deviation	± 40 kHz/± 56 kHz	Monitor output	1/4" mm jack
Limiting threshold (-3 dB)	≤ 1 µV	Gain	+20 dB adjustable, +20 dB switchable
RF sensitivity	≤ 1.5 µV/52 dB(A) S/N	Output level	max. 18 dBm/600 Ω short circuit-proof, load ≥ 50 Ω
Adjustable squelch	0–100 µV	Housing (for 8 RX modules)	19", 4 U
Intermodulation spacing	≥ 76 dB	Dimension	approx. 490 x 190 x 450 mm
Adjustable channel selectivity	≥ 66 dB	Weight	approx. 9.0 kg
Adjustable channel rejection	≥ 100 dB		
Image rejection	≥ 100 dB		

EK 3253

Transmission frequencies	16 factory pre-set channels, 16 freely selectable channels, tunable in steps of 5 kHz	Headphone output	3.5 mm stereo jack
Frequency ranges	518–554, 626–662, 740–776, 786–822, 830–866 MHz	Audio output power	2 x 100 mW at 32 Ω (peak dev., 1 kHz AF)
Switching bandwidth	36 MHz	Power supply	2 AA batteries, 1.5 V
Modulation	FM stereo (pilot tone)	Operating time	- with batteries 6–10 h (depending on the volume) - with BA 2015 6–10 h (depending on the volume)
Nominal/peak deviation	± 24 kHz/± 48 kHz	Frequency range	40–20,000 Hz
Compander	Sennheiser HDX	Max. SP	118 dB
Sensitivity (HDX, peak deviation)	typ. 1.5 µV at 52 dB _{rms} S/N	Impedance	32 Ω
Squelch	adjustable in four steps, 0–25 dBµV	Dimensions	82 x 64 x 24 mm
THD (at nominal deviation, 1 kHz)	< 0.9 %	Weight (incl. batteries)	approx. 200 g

SR 3254/SR 3256

RF output power	max. 100 mW (delivery status 50 mW ± 2 dB)	Audio frequency response	40–15,000 Hz
Transmission frequencies	16 "FIX", 16 "VAR" (in steps of 5 kHz)	RF output	BNC socket, 50 Ω
Frequency ranges	518–554, 626–662, 740–776, 786–822, 830–866 MHz	Monitoring output	6.35 mm (1/4") stereo jack socket, 200 mW/32 Ω
Switching bandwidth	36 MHz	Audio input	2 x XLR-3, electronically balanced
Modulation	FM stereo (pilot tone)	THD (at nominal deviation, 1 kHz)	< 0.9%
Nominal/peak deviation	± 24 kHz/± 48 kHz	Power supply	115 / 230 V AC (+ 10%/-15%)
Compander	Sennheiser HDX	Dimensions	436 x 228 x 43 mm
		Weight SR 3254 / SR 3256	approx. 3.3 kg / approx. 4.0 kg

Professional accessories are specially developed to the highest standards of technical compatibility to help you get the very most from the Sennheiser system.

Accessories SKM 5200

ME 5002	condenser microphone head, omni characteristics
ME 5004	condenser microphone head, cardioid characteristics
ME 5005	condenser microphone head, super-cardioid characteristics
ME 5005e	condenser microphone head, super-cardioid characteristics for very high sound pressure
ME 5009	condenser microphone head, wide-cardioid characteristics
MD 5005	dynamic microphone head, super-cardioid characteristics
KK 104 S	Neumann condenser microphone head cardioid characteristics, black
KK 104 S	Neumann condenser microphone head cardioid characteristics, nickel
KK 105 S	Neumann condenser microphone head super-cardioid characteristics, black
KK 105 S	Neumann condenser microphone head super-cardioid characteristics, nickel
B 5000	battery pack
BA 5000	rechargeable battery pack incl. charging adapter for the L 50 charger
L 50	charger for BA 5000, BA 250 and BA 300
MZW 5000-ANT	windshield, anthracite
MZW 5000-BL	windshield, blue ring
MZW 5000-GE	windshield, yellow ring
MZW 5000-GN	windshield, green ring
MZW 5000-RT	windshield, red ring
MZW 5000-WS	windshield, white ring
KEN 5200	9 color-coded identification markers

Accessories EK 3041

GA 3041-C	slot in housing for EK 3041
GA 3041-B	adapter for battery pack B 50, BA 50, B 250 and BA 250
GA 3041-44	44-PIN sub-D adaptor for Thomson camcorders
GA 3041-25	25-PIN sub-D adaptor for Panasonic and Ikegami camcorders
GA 3041-15	15-PIN sub-D adaptor for Sony camcorders
B 50/B 250	battery pack 2 cells/3 cells
BA 50/BA 250	rechargeable battery pack 2 cells/3 cells

Accessories SK 5212

MKE 2 gold	Lavalier microphone, omni-directional
MKE 2 platinum	Lavalier microphone, omni-directional
ME 102	modular mini-microphone system, omni-directional
ME 104	modular mini-microphone system, cardioid
ME 105	modular mini-microphone system, super-cardioid
HSP 2	headmic, omni-directional
HSP 4	headmic, cardioid

Net 1 Network Systems

Frequency management for wireless microphone systems

- ▶ Frequency allocation
- ▶ Wireless data link to transmitters
- ▶ Works either with PC or stand-alone
- ▶ Real-time monitoring and remote control
- ▶ Compatible with existing wireless systems

Accessories Antenna Systems

A 12 AD	active log-periodic directional antenna
A 2003 UHF	passive log-periodic directional antenna
A 1031 U	passive omni-directional UHF antenna
AB 1036 UHF	10 dB antenna head amplifier
ASA 3000	active antenna splitter



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