

series
300/500

 SENNHEISER



Turn on to the sound of evolution

 evolution wireless 





The Sennheiser promise Sennheiser stands for unbeatable excellence and craftsmanship in wireless sound production. Sennheiser believes in making this excellence available to as wide a range of your customers as we can. That's why we tailor our individual products to the needs of the widest possible spectrum of musicians, deejays, and sound engineers.

Rest assured that no one who ever invested in Sennheiser excellence has ever regretted it. Satisfied, loyal customers and repeat customers are the basis of Sennheiser's phenomenal success over the years. There's a real buzz around Sennheiser products and it's spreading fast.

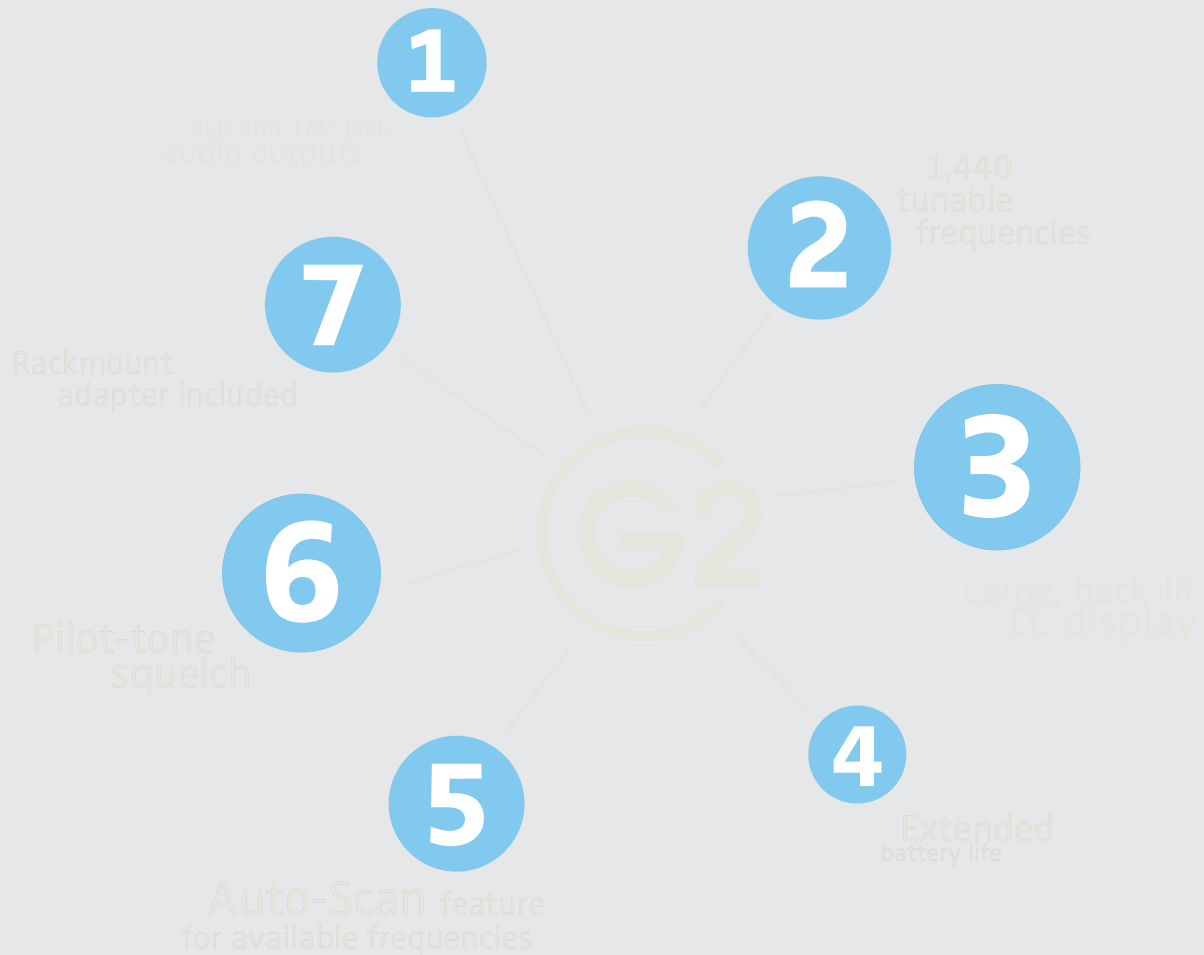
Our wide range of products puts the highest standards of audio quality center stage for every performance—from the biggest to the most intimate. No wonder Sennheiser is increasingly used and trusted by some of the biggest stars and the best sound engineers in the world.

But we want to make Sennheiser standards available to everyone. That's why we offer our world-renowned products at prices your customers won't believe.

The evolution Idea: More sound for less. Sennheiser evolution is about putting cutting-edge professional technologies at the service of professionals.

Evolution is a modular system. From individual microphones to large-scale, fully integrated multichannel applications, evolution's got the solution your customers need. They can just plug in, turn on, and they're ready to perform. All the input is fed into the same system—everyone can hear everything that's being played at the level they want to. The sound engineer is effortlessly in control. And everyone benefits from glorious, crystal-clear, interference-free, feedback-rejecting sound. It's the perfection of the sound that convinces everyone that this system is the best choice.

Evolution evolves with the performers. When your customers' needs grow, evolution lets them build and extend their system to match all their requirements. Whether they want to add extra instruments and backing vocals, or upgrade to a whole new scale and quality sound system, Sennheiser can offer the building blocks they need to turn their audio dreams into reality.



Introducing evolution Generation 2

Plug into a new quality of performance. The new generation of Sennheiser evolution products continues to set new world-class industry standards. There's a whole host of exciting new features which will dramatically enhance your customers' ability to give world-beating performances every time they plug in and go on stage. Here's a selection:

Automatic frequency scan: The autotuning feature automatically scans for the strongest available frequency. **Expanded range of frequencies:** Now gives 1,440 tunable UHF frequencies. **Large back-lit LC display:** LCD clearly visible on the receiver even when the lights are down. **Pilot-tone squelch:** Eliminates RF interference when the transmitters are switched on/off. **Improved audio level:** XLR and balanced 1/4" outputs set the new industry standard. **Extra-compact bodypack:** 30% smaller for extra comfort and movement during the performance. **Recharging contacts** at the bodypack transmitter and receiver.

All Sennheiser evolution wireless products operate on UHF transmission, giving the benefits of increased frequency availability and a less congested spectrum. The sets come with 2AA batteries with a battery life of minimum 8 (wireless monitor: 6) hours.

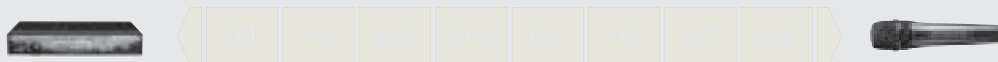
Optimum signal capture comes with Sennheiser's True Diversity system, giving maximum RF quality.

And as always, the Sennheiser evolution Generation 2 series offers **full metal, rugged reliability**, built to withstand the rough and tumble of touring.

Channel bank system

9 channels with 8 frequencies each. Sennheiser's 300 @ series channel bank system features 9 pre-set channel banks (each with 8 pre-set transmission/receiving frequencies). These frequencies have been pre-set to take into account country-specific regulations on frequency usage. The ninth channel bank, the "U" bank ("User bank"), also has up to 8 switchable frequencies – ready to store a tailormade selection out of 1,440 transmission/receiving frequencies – all of which are freely selectable within the pre-set frequency range.

The first benefit of the pre-set frequencies is that the system is ready for use immediately, as soon as the system is switched on. The second benefit is that several wireless monitor systems can be operated simultaneously on the pre-set channels without any intermodulation interference.

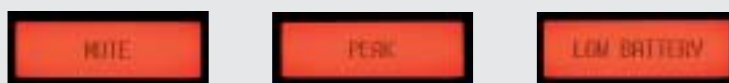


Auto-Scan function

The scan function automatically scans the channel banks for free frequencies. The advantage is: if several systems are used the matched frequency banks avoid interference.

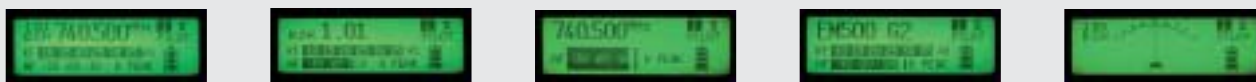
Graphic color display panel

The clearly legible graphic display signals the following warnings. This allows for a quick reaction on the part of the mixer and/or the performers when a signal is in danger of getting lost or distorted.



LC dot-matrix display

The dot-matrix display allows the customer to choose his own kind of information on the display. Several depictions are possible.





Loud and clear! Sennheiser evolution wireless [®] Vocal Set.

No matter what vocal style your customers prefer, or what kind of venue they're playing, Sennheiser has the microphone they need.

We offer a selection of three. All are capable of delivering big, powerful, assertive sound, yet sensitive enough to capture even the softest note. Thanks to Sennheiser's top quality cardioid and supercardioid pick-ups, nothing in the performance will get lost. Nor will it get drowned in feedback—Sennheiser systems are famously feedback-resistant.

- 1 **Cut-through sound** for the ultimate performance.
- 2 **Four different capsules**, interchangeable (three as a complete set, one as accessory)
- 3 **Large, back-lit LC display** for clear legibility in all lighting environments.

Technical Data

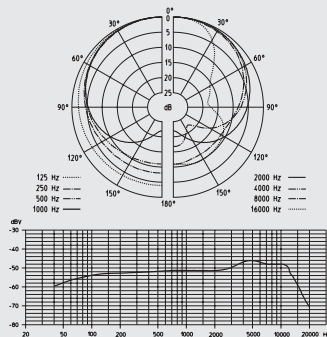
EM 300 [®]

RF characteristics	
Receiver principle	true diversity
Sensitivity (with HDX, peak deviation)	< 2.5 μ V at 52 dBArms S/N ratio
Adjacent channel rejection	\geq 68 dB
Intermodulation attenuation	\geq 68 dB
Blocking	\geq 72 dB
Pilot-tone squelch	can be switched off
Antenna inputs	2 BNC sockets
AF characteristics	
AF output voltage (at peak deviation 1 kHzAF)	1/4" (6.3 mm) jack socket (unbalanced): +12 dB _s max. XLR socket (balanced): +18 dB _s max.
Overall device	
Power supply	nominal voltage 12 V DC
Dimensions (mm)	212 x 145 x 38
Weight	approx. 1,100 g

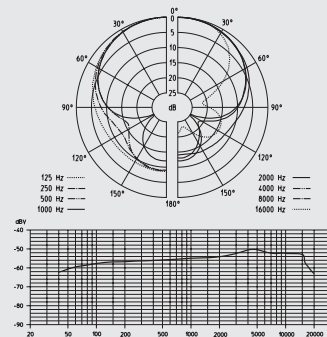
SKM 300 [®]

RF characteristics	
RF output power at 50 Ω	typ. 30 mW
Overall device	
Power supply	2 AA size batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	> 8 h
Dimensions (mm)	\varnothing 50 x 225
Weight (incl. batteries)	approx. 450 g

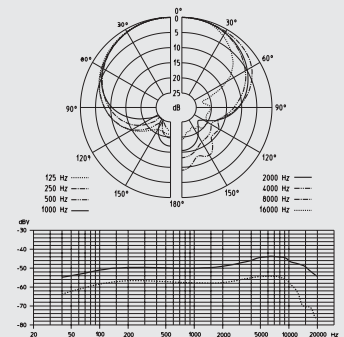
Microphone Heads



SKM 335 [®]
dynamic
1.5 mV/Pa
cardioid
150 dB SPL
green



SKM 345 [®]
dynamic
1 mV/Pa
supercardioid
154 dB SPL
blue



SKM 365 [®]
condenser
3 mV/Pa
supercardioid
144 dB SPL
red

Transducer principle
Sensitivity
Pick-up pattern
Max. SPL
Color of identification ring



Available sets. All sets give assertive sound and feature a large, back-lit display.

 ew 335 G2

SKM 335 G2 handheld cardioid microphone

EM 300 G2  + Rackmount adapter

 ew 345 G2

SKM 345 G2 handheld supercardioid microphone

EM 300 G2  + Rackmount adapter

 ew 365 G2

SKM 365 G2 condenser supercardioid microphone

EM 300 G2  + Rackmount adapter



Available set.

	ew 372 G2 SK 300 G2 Bodypack transmitter
	EM 300 G2 + Rackmount adapter



Technical Data

EM 300 ©

RF characteristics

Receiver principle true diversity
Sensitivity (with HDX, peak deviation) ... < 2.5 μ V at 52 dBArms

Adjacent channel rejection \geq 68 dB
Intermodulation attenuation \geq 68 dB
Blocking \geq 72 dB
Pilot-tone squelch can be switched off
Antenna inputs 2 BNC sockets

AF characteristics

AF output voltage 1/4" (6.3 mm) jack socket
(at peak deviation 1 kHzAF) (unbalanced): +12 dB, max.
XLR socket (balanced):
+18 dB, max.

Overall device

Power supply nominal voltage 12 V DC
Dimensions (mm) 212 x 145 x 38
Weight approx. 1,100 g

SK 300 ©

RF characteristics

RF output power at 50 Ω typ. 30 mW

AF characteristics

Max. input voltage (at peak deviation)

Microphone 1.8 V_{rms} unbalanced
Line 2.4 V_{rms}

Input impedance

Microphone 10 k Ω , unbalanced
Line 1 M Ω

Overall device

Power supply 2 AA size batteries, 1.5 V
Nominal voltage 2.4 V
Operating time > 8 h
Dimensions (mm) 82 x 64 x 24
Weight (incl. batteries) approx. 158 g

Set your music free! Sennheiser evolution wireless © Instrument Set.

The Sennheiser evolution wireless bodypack transmitter frees up your customers to perform with all the on-stage mobility they've ever dreamed of. Free from the cables that get in the way and limit them to one part of the stage. Free to interact with the other performers. Free to take a free-fall into the audience, if they feel like it. These sets are so light and compact they'll hardly notice they're wearing one. And there's more to Sennheiser freedom than freedom of movement. Just as important, our technology gives complete freedom from dropout and unwanted interference. And the large, back-lit display makes it easy to check on all the levels, no matter what the lighting technicians are doing. Most of all, it lets the performers get on with what it's really all about: free to give the best performance they're capable of.

- 1 Extremely small bodypack—won't get in the way.
- 2 Large, back-lit LC display—for clear legibility even when the lights are down.
- 3 Battery status—signal is automatically transferred.



Available set.

	ew352 G2
	SK 300 G2 Bodypack transmitter
	ME 3 headset
	EM 300 G2 + Rackmount adapter



Tune in to unlimited mobility! Sennheiser evolution wireless [®]2 Head Set.

The supercardioid Sennheiser headset opens up the whole stage for your customers' performance. Whether they want to sing their hearts out, make a speech, do a dance, make their guitars cry, close the sale—anything that can be humanly done, on any kind of stage—they can express themselves with unlimited movement. And even in the back of the audience, every note and syllable will be crystal clear.

Sennheiser headsets have condenser microphone technique and they'll shut out all unwanted feedback. They give outstanding, Sennheiser-guaranteed sound quality. They're small and lightweight, yet robust.

- 1 Small, lightweight, and robust—for the ultimate performance.
- 2 Large, back-lit LC display—for clear legibility in all lighting environments.
- 3 Outstanding sound quality—world-renowned Sennheiser performance.

Technical Data

EM 300 [®]2

RF characteristics

Receiver principle	true diversity
Sensitivity (with HDX, peak deviation)	< 2.5 μ V at 52 dBArms S/N ratio
Adjacent channel rejection	\geq 68 dB
Intermodulation attenuation	\geq 68 dB
Blocking	\geq 72 dB
Pilot-tone squelch	can be switched off
Antenna inputs	2 BNC sockets

AF characteristics

AF output voltage	1/4" (6.3 mm) jack socket (unbalanced): +12 dB _v max.
(at peak deviation 1 kHzAF)	XLR socket (balanced): +18 dB _v max.

Overall device

Power supply	nominal voltage 12 V DC
Dimensions (mm)	212 x 145 x 38
Weight	approx. 1,100 g

SK 300 [®]2

RF characteristics

RF output power at 50 Ω	typ. 30 mW
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AF characteristics

Max. input voltage (at peak deviation)

Microphone	1.8 V _{rms} , unbalanced
Line	2.4 V _{rms}

Input impedance

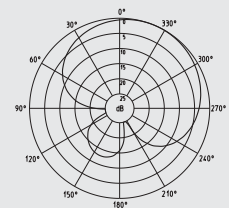
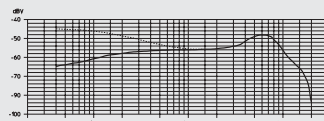
Microphone	10 k Ω , unbalanced
Line	1 M Ω

Overall device

Power supply	2 AA size batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	> 8 h
Dimensions (mm)	82 x 64 x 24
Weight (incl. batteries)	approx. 158 g

ME 3

Transducer principle	condenser
Sensitivity	1.6 mV/Pa
Pick-up-pattern	supercardioid
Max. SPL	150 dB SPL





The stage is yours! Sennheiser evolution wireless [®] Presenter Set.

No matter how big, no matter how small—Sennheiser's presenter sets give your customers state-of-the-art, professional sound support. You're giving them the same quality they'll hear in TV studios and huge international conference halls.

The sets are discreet and compact, so the focus is always where it should be—on the performer. The sets offer unbeatable speech intelligibility. They also feature a large, back-lit display. There are two versions of the Sennheiser lavalier microphone, both of which guarantee crisp and perfect sound.

Set ew 312 [®]: Omni-characteristic—picks up your voice no matter which way you're facing.

Set ew 312 [®]: Cardioid pick-ups block out any unwanted ambient sound.

1 Extremely compact microphone—for discreet attachment.

2 High speech intelligibility—due to special pick-up patterns.

3 Large, back-lit LC display—for clear legibility in all lighting environments.

Technical Data

EM 300 [®]

RF characteristics

Receiver principle true diversity
Sensitivity (with HDX, peak deviation) ... < 2.5 μ V at 52 dBArms
S/N ratio

Adjacent channel rejection \geq 68 dB
Intermodulation attenuation \geq 68 dB
Blocking \geq 72 dB
Pilot-tone squelch can be switched off
Antenna inputs 2 BNC sockets

AF characteristics

AF output voltage
(at peak deviation 1 kHzAF) 1/4" (6.3 mm) jack socket (unbalanced): +12 dB, max.
XLR socket (balanced): +18 dB, max.

Overall device

Power supply nominal voltage 12 V DC
Dimensions (mm) 212 x 145 x 38
Weight approx. 1,100 g

SK 300 [®]

RF characteristics

RF output power at 50 Ω typ. 30 mW

AF characteristics

Max. input voltage (at peak deviation)

Microphone 1.8 V_{rms}, unbalanced
Line 2.4 V_{rms}

Input impedance

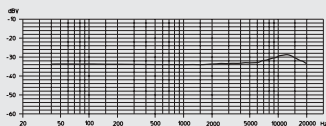
Microphone 10 k Ω , unbalanced
Line 1 M Ω

Overall device

Power supply 2 AA size batteries, 1.5 V
Nominal voltage 2.4 V
Operating time > 8 h
Dimensions (mm) 82 x 64 x 24
Weight (incl. batteries) approx. 158 g

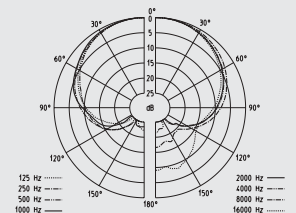
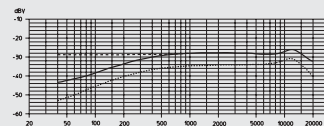
ME 2

Transducer principle condenser
Sensitivity 20 mV/Pa
Pick-up pattern omni-directional
Max. SPL 130 dB SPL



ME 4

Transducer principle condenser
Sensitivity 40 mV/Pa
Pick-up pattern cardioid
Max. SPL 120 dB SPL





Available sets.

ew 312



SK 300
Bodypack transmitter
ME2 clip-on microphone
with omni pick-up
pattern

EM 300
+ Rackmount adapter 


ew 322








SK 300
Bodypack transmitter
ME4 clip-on microphone
with cardioid pick-up
pattern

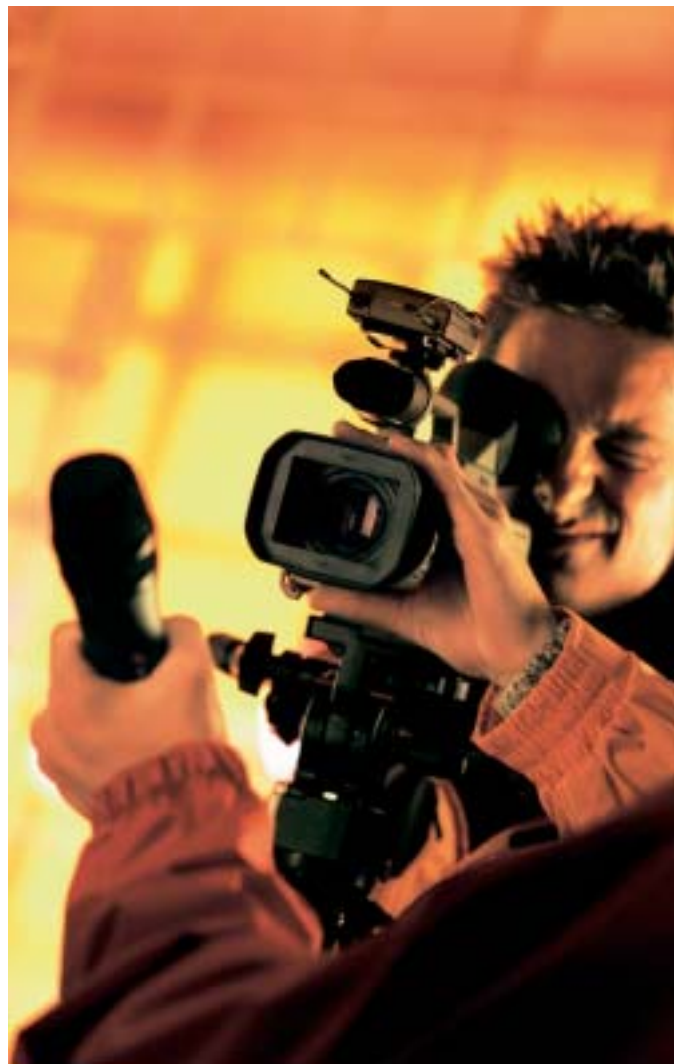
EM 300
+ Rackmount adapter 

Lights, camera, action! evolution wireless Camera Set.

The evolution wireless 100-ENG  camera set is specially designed for hassle-free use in any situation where audio-visual recording is imaginable.

Both the ME 2 and ME 4 clip-on microphones are virtually invisible in use. The extremely compact SK 100  pocket transmitter, the SKP 100  clip-on transmitter, as well as the EK 100  camera-receiver, all feature 9 channel banks with 4 pre-set frequencies for direct connection. Especially suitable for interviews is the set ew 135-p  with an SKM 135 . Your customers couldn't wish for a more flexible and straightforward approach to professional audio-visual recording: they only have to plug it in, point the camera, and record!

- 1 1,440 UHF frequencies available for interference-free reception.
- 2 Totally secure transmission.
- 3 Auto-tune to ensure the strongest frequencies are used.
- 4 User-friendly menu (incorporating protective setting to avoid accidental wipe-outs).
- 5 Robust full-metal casing.
- 6 MUTE function for sound-free transmission when required.



Technical Data

Microphones	ME 2	ME 4	SKM 135
Transducer principle	condenser	condenser	dynamic
Sensitivity	20 mV/Pa	40 mV/Pa	1.5 mV/Pa
Pick-up-pattern	omni-directional	cardioid	cardioid
Max. SPL	130 dB SPL	120 dB SPL	150 dB SPL
Color of identification ring	–	–	green

SKM 100

RF characteristics	
RF output power at 50 Ω	typ. 30 mW
Overall device	
Power supply	2 AA size batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	> 8 h
Dimensions (mm)	∅ 50 x 225
Weight (incl. batteries)	approx. 450 g

EK 100

RF characteristics	
Receiver principle	non diversity
Sensitivity (with HDX, peak deviation)	< 2.5 µV at 52 dBArms S/N ratio
Adjacent channel rejection	≥ 65 dB
Intermodulation attenuation	≥ 65 dB
Blocking	≥ 70 dB
Pilot-tone squelch	can be switched off
AF characteristics	
AF output voltage (at peak deviation 1 kHzAF)	3.5 mm jack socket: unbalanced: +10 dB.
Overall device	
Power supply	2 AA size batteries, 1.5 V
Dimensions (mm)	82 x 64 x 24
Weight	approx. 158 g (incl. batteries)

SKP 100

RF characteristics	
RF output power at 50 Ω	typ. 30 mW
AF characteristics	
Max. input voltage (at peak deviation)	
Microphone	1.2 V _{rms} , unbalanced
Input impedance	
Microphone	10 kΩ, unbalanced
Overall device	
Power supply	2 AA size batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	> 8 h
Dimensions (mm)	105 x 43 x 43
Weight (incl. batteries)	approx. 195 g

SK 100

RF characteristics	
RF output power at 50 Ω	typ. 30 mW
AF characteristics	
Max. input voltage (at peak deviation)	
Microphone	1.8 V _{rms} , unbalanced
Line	2.4 V _{rms}
Input impedance	
Microphone	10 kΩ, unbalanced
Line	1 MΩ
Overall device	
Power supply	2 AA size batteries, 1.5 V
Nominal voltage	2.4 V
Operating time	> 8 h
Dimensions (mm)	82 x 64 x 24
Weight (incl. batteries)	approx. 158 g



Available sets.

ew 135-p ©



SKM 135 ©
handheld cardioid
microphone

EK 100 ©

ew 100-ENG ©



SKP 100 © plug-on
transmitter

+ ME2 + SK 100 ©

EK 100 ©

ew 112-p ©



SK 100 ©
Bodypack transmitter

ME2 clip-on microphone
with omni pick-up pattern

EK 100 ©

ew 122-p ©



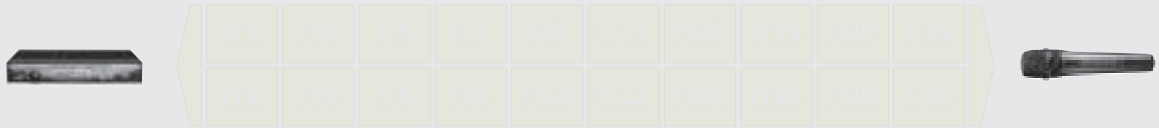
SK 100 ©
Bodypack transmitter

ME4 clip-on microphone
with cardioid pick-up pattern

EK 100 ©

Channel bank system 9 channels with up to 20 frequencies each. The 500 © series has nine channels available with up to 20 switchable frequencies each.

The first 8 channel banks are pre-set (each has up to 20 pre-set transmission/receiving frequencies). These frequencies have been pre-set to take into account country-specific regulations on frequency usage. Added to this is a ninth channel bank, the "U" bank ("User Bank"), which also has up to 20 switchable frequencies—ready to store a tailor-made selection out of 1,440 transmission/receiving frequencies—all of which are freely selectable within the pre-set frequency range. As with the 300 series, the first benefit of the pre-set frequencies is that the system is ready for use immediately, as soon as the system is switched on. The second is that several wireless monitor systems can be operated simultaneously on the pre-set channels without any intermodulation interference.



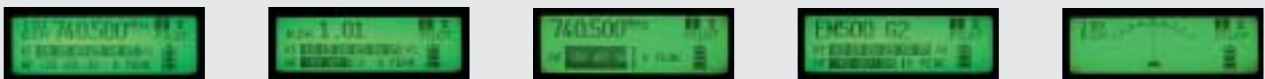
Equaliser The receiver has a built-in equaliser which will modulate the sound output in just the way your customers require. For example, they can decide whether they want "High Boost", "Low Cut/High Boost", "Low Cut" and "Flat".

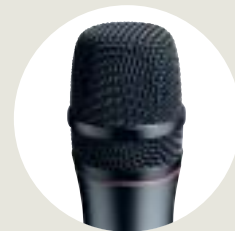
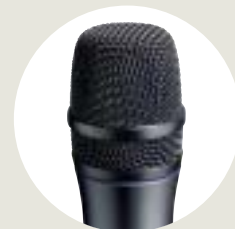
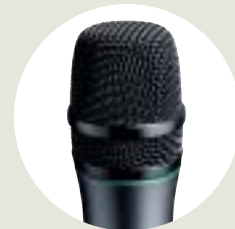
Sound-Check mode The receiver also features a sound-check mode. This enables the sound engineer to check whether dropouts are occurring and immediately locate and act to correct them. Dropouts and their source are clearly signalled on the LC display.

Graphic color display panel The clearly legible color display signals the following warnings. This allows for a quick reaction on the part of the mixer and/or the performers when a signal is in danger of getting lost or distorted.



LC dot-matrix display The dot-matrix display allows the customer to choose either a descriptor or a frequency setting or a channel number to identify each channel on the display.





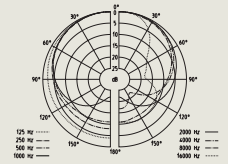
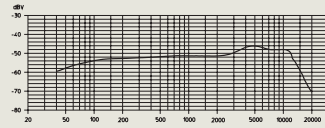
SKM 500 microphones Sennheiser's evolution wireless SKM 500 handheld transmitters set a new premium standard for cutting-edge professional sound performance. There's four to choose from:

- ▶ The entry-level SKM 535 is an ideal choice, a true all-rounder for both speech and sound.
- ▶ The mid-range SKM 545 has extra power to cut more easily through high on-stage levels—so it's perfect for any kind of live work.
- ▶ The SKM 935 (dynamic microphone) is the wireless version of our state-of-the-art classic 935 cardioid. "SKM 935" means "best gain before feedback" in wireless stage technology.
- ▶ The SKM 565 is our state-of-the-art super-cardioid microphone, the very best technology you can buy, for the most demanding reaches of sound perfection.

All four handheld transmitters can be combined with any Sennheiser receivers from the new 500 series or the EM 550. And all of the microphones feature 9 frequency banks with up to 20 directly accessible presets each—ready to plug in and perform!

SKM 535

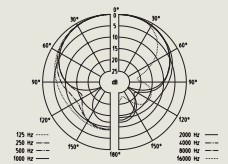
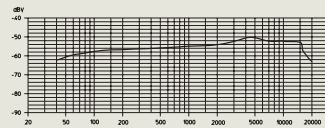
RF frequency range 518 866 MHz
 Transmission frequencies 1,440
 Presets max. 20
 Switching bandwidth 36 MHz
 Peak deviation +/- 48 kHz
 Compander HDX
 Frequency response (microphone) 40 18,000 Hz
 Signal-to-noise ratio > 115 dB(A)
 THD, total harmonic distortion < 0.9 %
 In compliance with ETS 300422, ETS 300445, CE, FCC



Power supply 2 x 1.5 V (AA)
 RF output power 30 mW
 Operating time (transmitter) >8 h
 Dimensions (transmitter) d= 50 mm, l= 225 mm
 Weight (transmitter) 450 g
 Transducer; microphone type dynamic
 AF sensitivity 1.5 mV/Pa
 Sound pressure level (SPL) 150 dB(SPL) max.
 Pick-up pattern cardioid

SKM 545

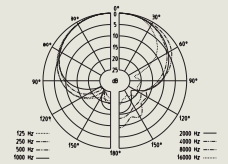
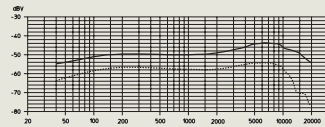
RF frequency range 518 866 MHz
 Transmission frequencies 1,440
 Presets max. 20
 Switching bandwidth 36 MHz
 Peak deviation +/- 48 kHz
 Compander HDX
 Frequency response (microphone) 40 18,000 Hz
 Signal-to-noise ratio > 115 dB(A)
 THD, total harmonic distortion < 0.9 %
 In compliance with ETS 300422, ETS 300445, CE, FCC



Power supply 2 x 1.5 V (AA)
 RF output power 30 mW
 Operating time (transmitter) >8 h
 Dimensions (transmitter) d= 50 mm, l= 225 mm
 Weight (transmitter) 450 g
 Transducer; microphone type dynamic
 AF sensitivity 1 mV/Pa
 Sound pressure level (SPL) 154 dB(SPL) max.
 Pick-up pattern super-cardioid

SKM 565

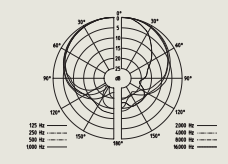
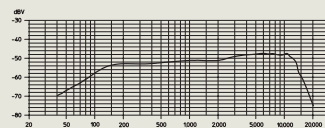
RF frequency range 518 866 MHz
 Transmission frequencies 1,440
 Presets max. 20
 Switching bandwidth 36 MHz
 Peak deviation +/- 48 kHz
 Compander HDX
 Frequency response (microphone) 40 18,000 Hz
 Signal-to-noise ratio > 115 dB(A)
 THD, total harmonic distortion < 0.9 %
 In compliance with ETS 300422, ETS 300445, CE, FCC



Power supply 2 x 1.5 V (AA)
 RF output power 30 mW
 Operating time (transmitter) >8 h
 Dimensions (transmitter) d= 50 mm, l= 225 mm
 Weight (transmitter) 450 g
 Transducer; microphone type electret-condenser
 AF sensitivity 3 mV/Pa
 Sound pressure level (SPL) 144 dB(SPL) max.
 Pick-up pattern super-cardioid

SKM 935

Pick-up pattern Cardioid
 Frequency response 40 18,000 Hz
 Sensitivity in free field, no load (1 kHz) .. 2 mV/Pa
 Sound pressure level (SPL) 154 dB (SPL) max.










Nominal impedance 350 Ω
 Min. impedance 1,000 Ω
 Dimensions 50 x 219 mm
 Weight 450 g

Other technical data identical with SKM 535, SKM 545 or SKM 565

Transmitter



SKP 500  plug-on transmitter. This plug-on transmitter can convert any wired microphone to wireless use! It features switchable 48V phantom powering (P48) for condenser microphones. It can be combined with any of the receivers from the new evolution  series or the EM 550 . It features 9 frequency banks with up to 20 directly accessible presets each—ready to plug in and perform!

SK 500  bodypack transmitter. The extremely compact SK 500  bodypack transmitter is an ideal match for the new ew 500  series receivers and the EM 550 . The transmitter features 9 frequency banks with up to 20 directly accessible presets each—ready to plug in and perform!

RF frequency range	518 866 MHz
Transmission frequencies	1,440 (max. 20 presets)
Switching bandwidth	36 MHz
Peak deviation	+/- 48 kHz
Compander	HDX
Frequency response (microphone)	40 18,000 Hz
Signal-to-noise ratio	> 115 dB(A)
THD, total harmonic distortion	< 0.9%
In compliance with	ETS 300422, ETS 300445, CE, FCC
Audio connector	XLR-3 female
Power supply	2 x 1.5 V (AA)
RF output power	30 mW
Operating time (transmitter)	> 8 h (P48: 5 h)
Input voltage range	mic 1.2 V max
Dimensions (transmitter)	105 x 43 x 43 mm
Weight (transmitter)	195 g

RF frequency range	518 866 MHz
Transmission frequencies	1,440 (max. 20 presets)
Switching bandwidth	36 MHz
Peak deviation	+/- 48 kHz
Compander	HDX
Frequency response (microphone)	40 18,000 Hz
Signal-to-noise ratio	> 115 dB(A)
THD, total harmonic distortion	< 0.9%
In compliance with	ETS 300422, ETS 300445, CE, FCC
Audio connector	3.5 mm jack
Power supply	2 x 1.5 V (AA)
RF output power	30 mW
Operating time (transmitter)	> 8 h
Input voltage range	mic 1.8 V
Dimensions (transmitter)	82 x 64 x 24 mm
Weight (transmitter)	158 g

Receiver



EM 500 [®] true diversity rack mount receiver. The ideal choice for professional multi-channel applications. It features 9 frequency banks with up to 20 frequency presets each.

RF frequency range	518 866 MHz
Receiving frequencies	1,440
Presets	max. 20
Switching bandwidth	36 MHz
Peak deviation	+/- 48 kHz
Compander	HDX
Frequency response (microphone)	40.....18,000 Hz
Signal-to-noise ratio	> 115 dB(A)
THD, total harmonic distortion	< 0.9%
In compliance with	ETS 300422, ETS 300445, CE, FCC
Antenna connector	2 BNC, 50 Ω
Audio connector	XLR + jack
Audio output level (balanced)	XLR: +18 dBu max
Audio output level (unbalanced)	Jack: +12 dBu max
Power supply	10.5 – 16V DC
Dimensions (receiver)	212 x 145 x 38 mm
Weight (receiver)	1,100 g



EK 500 [®] bodypack receiver. This portable receiver has been designed for use with cameras and can be combined with any transmitter from the new ew 500 [®] series. The portable receiver features separately adjustable audio outputs for line and headphones; all settings are protected against accidental operation. The EK 500 [®] has 9 frequency banks with up to 20 directly accessible presets each—ready to plug in and perform!

RF frequency range	518 866 MHz
Receiver frequencies	1,440
Presets	max. 20
Switching bandwidth	36 MHz
Signal-to-noise ratio	> 115 dB(A)
Frequency response	40 15,000 Hz
Audio-Output-Power	100 mW (32 Ω)
Audio connector	3.5 mm jack
Operating voltage (stand alone)	2 x 1.5V (AA)
Operating time	6 – 10 h
Dimensions	82 x 64 x 24 mm
Weight	158 g



EM 550 [Ⓞ] true diversity receiver. The EM 550 [Ⓞ] is a true diversity twin receiver for professional multi-channel setups. It is ideally combined with transmitters from the new 500 [Ⓞ] series and has 9 frequency banks with up to 20 directly accessible presets each—ready to plug in and perform!

Most important features:

- ▶ Built-in power supply.
- ▶ Transformer-balanced outputs.
- ▶ Cascadable antenna splitter.

RF frequency range	518 866 MHz
Receiving frequencies	1,440
Presets	max. 20
Switching bandwidth	36 MHz
Peak deviation	+/- 48 kHz
Componder	HDX
Frequency response	40 18,000 Hz
Signal-to-noise ratio	> 115 dB(A)
THD, total harmonic distortion	< 0.9%
In compliance with	ETS 300422, ETS 300445, CE, FCC
Antenna connector	2 BNC, 50 Ω
Audio connector	XLR
Audio output level (balanced)	+18 dBu max.
Switching power supply	90–264 V AC
Dimensions (Receiver)	436 x 215 x 43 mm
Weight (Receiver)	3,500 g

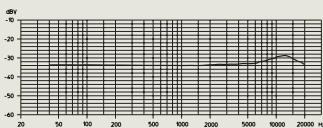
The stage is yours – no matter how big, no matter how small. No matter what, when, or where you're presenting, we give you professional-standard sound support. You get the same quality as used in TV studios and huge international conference halls. These microphones are discreet and compact, so the focus always stays where it should be—on you.



ME 2

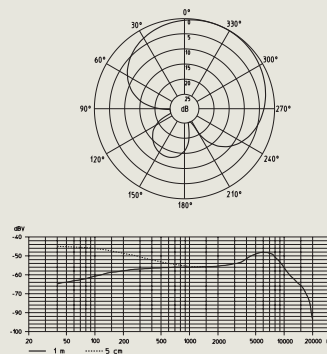
Transducer principle
Sensitivity
Pick-up-pattern
Max. SPL

condenser
20 mV/Pa
omni-directional
130 dB SPL



ME 3

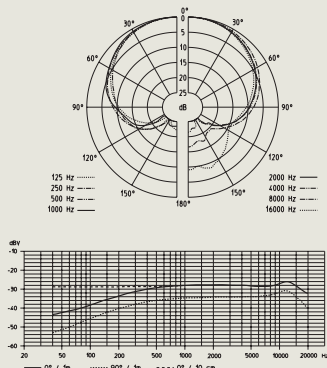
condenser
1.6 mV/Pa
supercardioid
150 dB SPL



ME 4

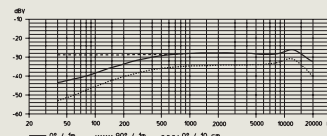
Transducer principle
Sensitivity
Pick-up-pattern
Max. SPL

condenser
40 mV/Pa
cardioid
120 dB SPL



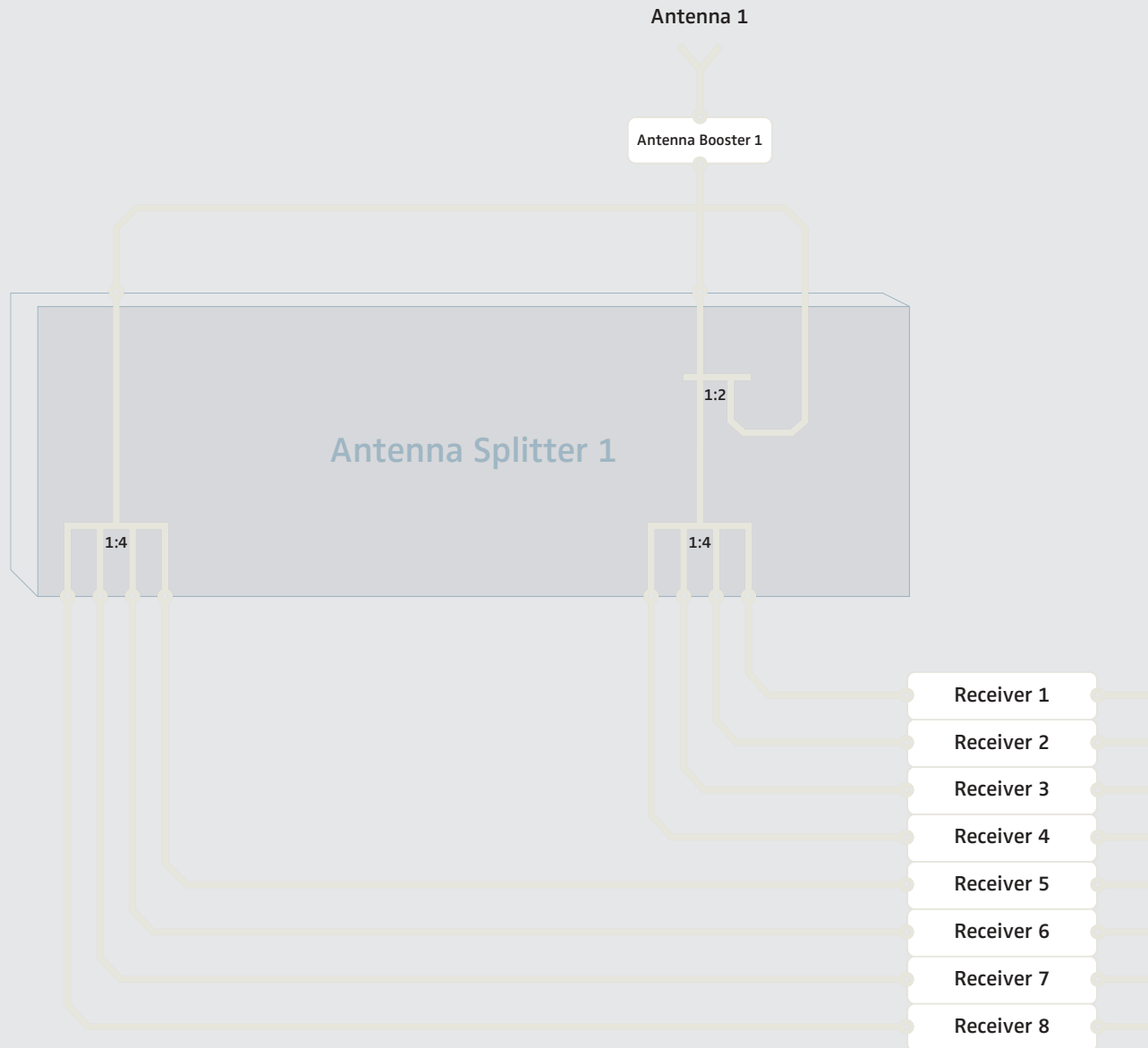
MKE 2 ew

condenser
5 mV/Pa
omni-directional
142 dB SPL

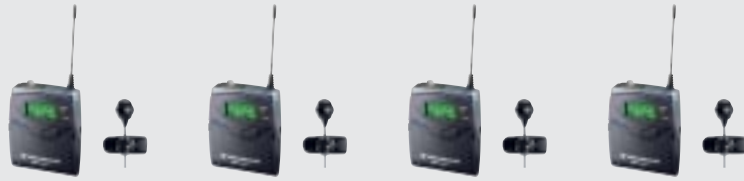




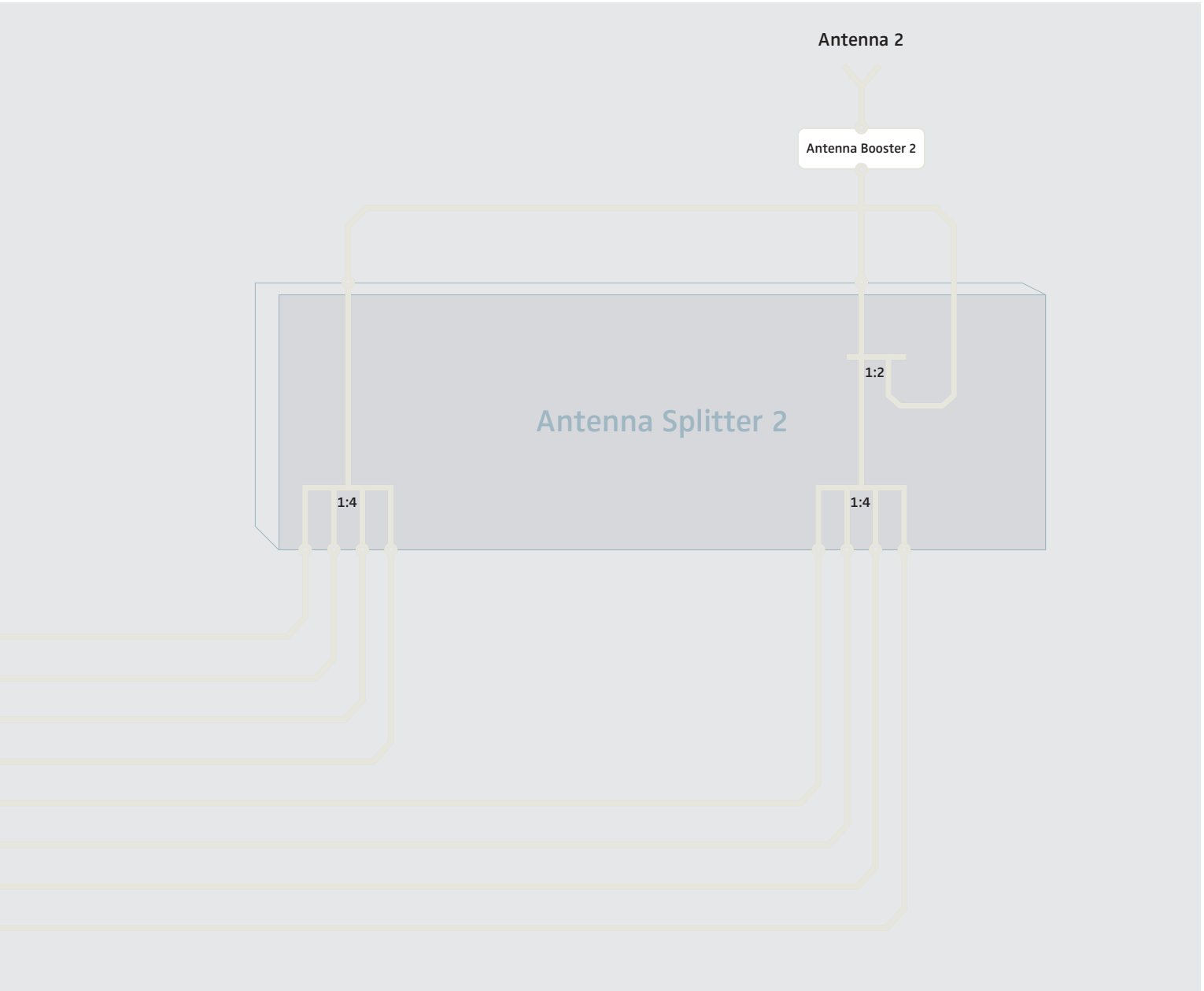
4 handheld transmitters



Welcome to the big time! Turn on to the sound of evolution! This diagram shows you how to set up a large system using a selection of top quality Sennheiser products with 8 channels (4 handheld transmitters, 4 bodypack transmitters with clip-on microphones on the same frequency).



4 bodypack transmitters with clip-on microphones



Evolution accessories.

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



CC 2 System case



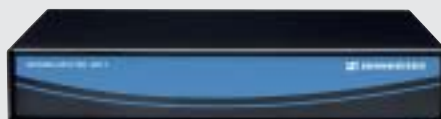
AB 2 Booster



A 1031 Passive UHF antenna



AC 2 Transmitter combiner



ASP 2 Antenna splitter



L 2015 Charging unit



A 12 UHF antenna



A 2003 UHF passive antenna



NT 1 AC adapter for ASP 2



AM 2 Antenna mount



CA 2 Camera adapter



HHP 1 Bag for handheld transmitter



BA 2015 Rechargeable battery pack



MZW 1 Windshield



BPP 1 Bag for bodypack transmitter



NT 3 AC adapter



GA 2 Rackmount kit



KEN 1 Id-caps for handheld transmitter



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