



SENNHEISER



evolutionwireless 

You Know
You Can

series
100

You Know You Front. You Know Raise Your Voice You Can Rock T You Know You

Count on breakthrough sound. Play a large gig? Or a smaller club concert? You can. Totally live it up on the stage? Move with absolute freedom? You can. Have several frequencies at your disposal? You can. The third generation of evolution wireless supplies full stage freedom and perfect sound for shows by singers, musicians, and performers. G3 is absolutely dependable; it transmits reliably and is extremely robust. The technology has been developed by full-blooded musicians who know exactly what a wireless system needs to survive during the rigors of everyday life on tour. Robust metal housing and easy handling of transmitters and receivers are just some of the features that attest to this. And as always with evolution, professional equipment awaits you at a fair price. You know you can afford it.

A man with long dreadlocks is captured in a dynamic pose, playing a black and white electric guitar. He is wearing a black t-shirt and dark shorts. The background is a vibrant, fiery orange with a smoky texture. In the bottom left corner, there are some dark, circular shapes that look like planets or moons. The text is overlaid on the image, with the word 'Can' in blue and the rest in white.

Can Get In
w/ You Can
e. You Know
he Crowd.
Can Impress.

Introducing evolution wireless Generation 3

Evolution wireless G3 is your entrance to the professional league of wireless sound transmission.

The system's technical range is unique—and truly breathtaking at this price. Evolution wireless G3 exceeds both its predecessors and competitors by a wide margin. This starts with the ease of use, carries through to the enormous switching bandwidth, and ends with the robust construction.

Automatic frequency preset scan: through auto-tuning, the unit automatically searches for the free carrier frequencies.

Expanded switching bandwidth: thanks to the 42 MHz switching bandwidth and 1,680 switchable frequencies, G3 can hardly be topped in terms of flexibility and reliability. This guarantees a great performance anywhere in the world.

Easy-to-use dot matrix display: a control menu that could not be more intuitive or clearer. This saves valuable time during installation.

Robust equipment: specially developed for rigorous everyday life on stage, G3 units are genuine tour survivors. Incidentally, only G3 provides all-metal housing for handheld transmitters and receivers.

Best live sound: rock 'n' roll has never sounded this good. Evolution wireless G3 provides interference-free sound transmission on stage, without any disturbing ambient noise.

Evolution wireless G3 can grow with the added requirements and progression of your career. This means that base sets can be expanded with individual components and accessories, as needed. The modular solution means you only invest in as much equipment as you need for the particular size of your shows. This not only saves money but also leaves all options open for the future.

NEW
**Wireless
synchronization**
of transmitters via infrared interface

1

NEW
**Enhanced
frequency bank
management**
with up to 12 compatible
frequencies in 21 banks

2

G3

NEW
**Optimized charg-
ing concept**

5

NEW
**Integrated
equalizer**

4

NEW
Increased range
for audio sensitivity

3

A male singer with a beard and a black beanie is performing on stage. He is wearing a white t-shirt with a graphic and blue jeans. He is holding a black microphone and singing into it with his mouth wide open. The background is a warm, yellowish-orange stage light. There are some faint, white, circular sound wave patterns in the upper right corner.

Vocal Set

You Know You Can Raise Your Voice

Gone are the days when a singer had to shout into the microphone to be heard over the drums and instruments. The vocal set of the 100 series is absolutely reliable, placing every lead singer exactly where he is supposed to be: right in front! In the process, the microphone delivers the full, first-rate live sound that Sennheiser is known for. You can choose from two dynamic and one condenser microphone heads from the renowned evolution 800 microphone series.



Available Sets

ew 135 G3



SKM 100-835® handheld transmitter with cardioid dynamic head with EM 100® true diversity receiver, MZQ 1 microphone clamp

ew 145 G3



SKM 100-845® handheld transmitter with supercardioid dynamic head with EM 100® true diversity receiver, MZQ 1 microphone clamp

ew 165 G3



SKM 100-865® handheld transmitter with supercardioid condenser head with EM 100® true diversity receiver, MZQ 1 microphone clamp

Instrument Set



Available Sets

ew 172^{es}



SK 100^{es} bodypack transmitter with EM 100^{es} true diversity receiver and CI 1 guitar cable



evolution wireless G3

NEW
Guitar tuner
tune in to perfect
sound

You Know You Can Rock The Crowd

Who says a guitarist always has to stand in one place? The instrument set of the evolution wireless G3 100 series liberates you from annoying cables—placing the entire stage at your disposal as a creative area for your performance. The ultralight bodypack transmitter can be attached inconspicuously to your belt or guitar strap. The clearly designed dot matrix display intuitively leads you through the control menu, and can always be easily read—even in difficult lighting conditions. A brand-new feature of the G3: the guitar tuner, integrated directly into the receiver, makes the instrument's tuning device unnecessary.

A woman with long dark hair, wearing a black sequined dress and a choker, is smiling and performing on stage. She is wearing a small, round, black headset microphone. The background is a warm, golden-brown stage setting with many circular stage lights hanging from the ceiling. In the top right corner, there are several white concentric circles and lines, resembling sound waves or a signal icon.

Head Set

You Know You Can Make It Happen

Regardless of whether singer, dancer, or fitness trainer—those who want to move across the entire stage while keeping their hands free during a performance will love the G3 headset. On the one hand, the condenser headset microphone is ultralight—so light, in fact, that you will forget you are wearing it during the show. And on the other, it supplies a powerful sound, enabling it to reach the very last row in crystal-clear quality.

1

True diversity receiver for optimum reception

mixing console

2

Infrared interface for synchronization of transmitters

3

Ultralight bodypack transmitter

4

Charging contacts

5

Lightweight condenser microphone with special capsule for powerful sound

Available Sets

ew 152 G3



ME 3-ew directional headset microphone with SK 100[®] bodypack transmitter, and EM 100[®] true diversity receiver

Presentation Set



Available Sets

ew 112^{CS}



ew 122^{CS}



You Know You Can Impress

The G3 presentation set offers a professional quality standard that has proved itself in TV studios and on large stages alike. For conference facilities and presentations, the lecturer can also be heard well, even in the very last row, without having to speak louder. The small clip-on microphone is nearly invisible. Once attached to the flexible bodypack transmitter, the cable disappears discreetly under clothing.



ENG Set

You Know You Can Capture The Right Moment

No matter how challenging a reporting situation may be—the G3 ENG set ensures perfect sound transmission while filming, even in the most difficult conditions. You can choose between a nearly invisible clip-on microphone or a handheld microphone. The SKP 100 G3 plug-on transmitter conveniently transforms any wired microphone into a wireless one. This guarantees full freedom of movement—both in the studio and on location.



Available Sets

ew 135-p^{Ⓔ3}



SKM 100-835^{Ⓔ3} handheld cardioid microphone, with EK 100^{Ⓔ3} portable diversity receiver

ew 100-ENG^{Ⓔ3}



SKP 100^{Ⓔ3} plug-on transmitter, + ME 2 + SK 100^{Ⓔ3}, EK 100^{Ⓔ3} portable diversity receiver

ew 112-p^{Ⓔ3}



SK 100^{Ⓔ3} portable transmitter, + ME 2 clip-on microphone with omni polar pattern, EK 100^{Ⓔ3} portable diversity receiver

ew 122^{Ⓔ3}



SK 100^{Ⓔ3} portable transmitter, + ME 4 clip-on microphone with cardioid polar pattern, EK 100^{Ⓔ3} portable diversity receiver

Wireless Monitoring Set



Available Sets

ew 300 IEM^{®3}



EK 300 IEM[®]
stereo bodypack
diversity receiver,
IE 4[®] in-ear
headphones,
SR 300 IEM[®]
stereo transmitter



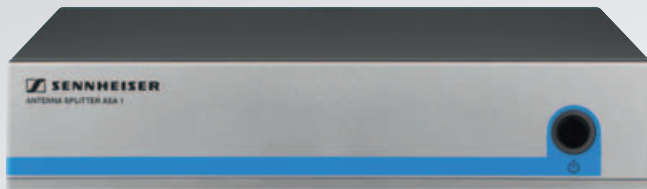
evolution wireless G3

You Know You Can Enjoy The Show

With the evolution wireless monitor set, you are given complete control of your own performance across the entire stage. Earphones that have been specially developed for the rigors of everyday life on tour render the singing or instrumentation exactly as it is heard in the arena. But it is on loud rock stages that the monitor set really comes into its own. The bodypack receiver is intuitive and uncomplicated to use. Adjusted for ambient levels, it allows you to set up your own personal volume levels.

You Know You Can Expand

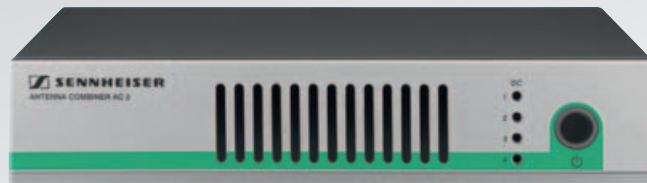
Get the very most from evolution wireless G3: a wide range of accessories fulfills the highest standards of technical compatibility.



ASA 1 Antenna splitter



AB 3 Antenna booster



AC 3 Transmitter combiner



CC 3 System case



A 12 Active directional UHF antenna



GA 3 Rack mount



A 2003 Passive Directional UHF antenna



NT 3-1 Mains unit for AC 3



NT 1-1 Mains unit for ASA 1 and L 2015



AM 2 Antenna front mount

SKM 100



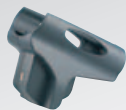
Mic module



MZW 1 Windshield



LA 2 Charging adapter for SKM used with L 2015



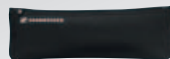
KEN 2 Color-coded identification rings for handheld transmitter



BPP 1 Bodypack pouch



HHP 1 Pouch for handheld transmitter



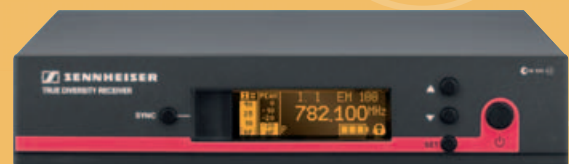
CL 2 Line cable



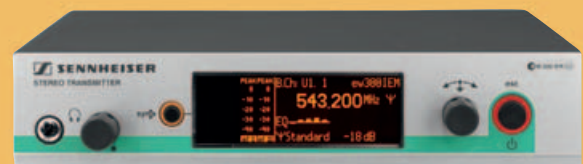
CI 1 Instrument cable



EM 100



SR 300 IEM



A 1031 Passive omnidirectional UHF antenna



L 2015 Charging unit



BA 2015 Rechargeable battery pack



CA 2 Camera adapter



You Know You Can Have Them All

All evolution 800 vocal microphones are also available with noiseless on/off switch

series evolution800



e 825 S Cardioid general-purpose microphone with noiseless on/off switch, dynamic



e 835 Cardioid lead vocal stage microphone, dynamic



e 845 High-performance super-cardioid lead vocal microphone with extended frequency response, dynamic



e 865 Fully professional super-cardioid vocal condenser microphone utilizing the best microphone technology, condenser



e 815 S Cardioid general-purpose microphone at a fair price with noiseless on/off switch, dynamic



e 840 Professional cardioid vocal microphone developed to cut through high on-stage levels, dynamic

series evolution600



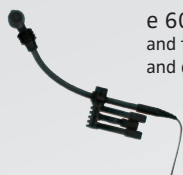
e 602-II Cardioid, especially for low-frequency instruments like kick drums, dynamic



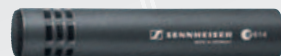
e 604 Cardioid, for use with drums and brass instruments, dynamic



e 606/e 609 silver Super-cardioid, specially for guitar cabs and being close to the source, dynamics



e 608 Super-cardioid and for woodwinds, brass, and drums dynamic



e 614 Instrument and over-the-head condenser microphone, super-cardioid



You Know You Can Check It Out

G3 Online—you will find it on www.sennheiser.com. Here you can test online applications that simulate a realistic stage situation. You will be given access to all system components, for instance, allowing you to develop a true feeling for rocking out with the evolution wireless G3.

G3 at www.sennheiser.com:

- Detailed product descriptions
- Virtual room for testing different sets
- New guitar tuner check

You Know You Can Make Up Your Mind

Evolution wireless G3 is at home on every stage in the world. This applies for small clubs and large concerts, as well as for theater and opera houses. The only important thing left to do is decide on the right set for your needs. The various features of the evolution wireless G3 110 / 100 / 300 / 500 series suit particular requirements.

evolutionwireless G3

series
100









incl. Wireless Monitor Set





- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank management with up to 12 compatible frequencies per bank
- **NEW:** 42 MHz bandwidth, 1,680 switchable frequencies*
- **NEW:** Easy-to-read illuminated dot matrix display
- **NEW:** 4-level charge indicator for transmitter battery
- **NEW:** More control options (menu)
- **NEW:** Enhanced AF frequency range
- **NEW:** Increased range for audio sensitivity
- **NEW:** Soundcheck mode
- **NEW:** Integrated equalizer
- **NEW:** Guitar cable emulation
- **NEW:** Contacts for recharging the BA 2015 accupack directly in the transmitter
- **NEW:** Integrated guitar tuner in receivers
- **NEW:** Portable receivers with adaptive diversity reception
- **NEW:** Easy-to-exchange handheld capsules
- 2 AA batteries for more than 8 hours of use
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- High RF output power for large range*
- Suitable for 19" rack mounting (1 U)
- Easy-to-exchange capsules

Wireless Monitor Set

- **NEW:** SR 300 IEM with Ethernet port
- **NEW:** Receiver with Adaptive Diversity
- **NEW:** Combined balanced XLR / 6.3 mm audio inputs
- **NEW:** Balanced 6.3 mm Audio Loop Outs
- **NEW:** Graphical 5 band EQ in transmitter
- **NEW:** Audio limiter in Receiver adjustable in 4 steps



Technical Data		System ew 100 	
Modulation Frequency ranges Transmission/receiving frequencies Switching bandwidth Noise reduction system AF frequency response S/N ratio (at 1 mV and peak deviation) THD (at nominal deviation and 1 kHz)	wideband FM 516–558, 566–608, 626–668, 734–776, 780–822, 823–865 20 channel banks, 1 fixed bank, 12 factory preset channels each 42 MHz Sennheiser HDX 25–18.000 Hz ≥ 110 dBA ≤ 0,9%		
Receivers	EM 100 	EK 100 	
Receiver principle Sensitivity (with HDX, peak deviation) Adjacent channel rejection Intermodulation attenuation Blocking Pilot-tone squelch Antenna inputs AF output voltage (at peak deviation, 1 kHz AF) Power supply Dimensions Weight Operation time	true diversity < 2.5 µV at 52 dBAeff S/N ≥ 65 dB ≥ 65 dB ≥ 70 dB detachable 2 BNC sockets 1/4" (6.3 mm) jack socket, unbalanced: +12 dBu XLR socket, balanced: +18 dBu 12 V DC 190 x 212 x 43 mm approx. 900 g		diversity < 2.5 µV at 52 dBAeff S/N ≥ 65 dB ≥ 65 dB ≥ 70 dB detachable 3.5 mm jack socket, unbalanced: +12 dBu 2 AA batteries, 1.5 V approx. 82 x 64 x 24 mm / 3.23" x 2.52" x 0.94" approx. 160 g (incl. batteries) typ. 8 h
Transmitters	SK 100 	SKP 100 	SKM 100 
RF output power at 50 Ω AF frequency response Max input voltage transmitter / line Input impedance transmitter / line Power supply Nominal voltage Operating time Dimensions Weight	typ. 30 mW 25–18.000 Hz (line) 80–18.000 Hz (mic) 3 V _{eff} 40 kΩ, unbalanced / 1 MΩ 2 AA batteries, 1.5 V 2.4 V typ. 8 h 82 x 64 x 24 mm / 3.23" x 2.52" x 0.94" approx. 160 g	typ. 30 mW 80–18.000 Hz 3 V _{eff} 40 kΩ, unbalanced / 1 MΩ 2 AA batteries, 1.5 V 2.4 V typ. 8 h 105 x 43 x 43 mm / 4.13" x 1.69" x 1.69" approx. 195 g	typ. 30 mW 80–18.000 Hz - - 2 AA batteries, 1.5 V 2.4 V typ. 8 h Ø 50 x 265 mm approx. 450 g / 15.87 oz
System ew 300 IEM  (Wireless Monitoring)		Wireless Monitoring: EK 300 IEM  Stereo Receiver	
Modulation Frequency ranges Transmission/receiving frequencies Switching bandwidth Noise reduction system AF frequency response S/N ratio (at 1 mV and peak deviation) THD (at nominal deviation and 1 kHz)	wideband FM 516–558, 566–608, 626–668, 734–776, 780–822, 823–865 20 channel banks, 6 fixed banks, 16 factory preset channels each 42 MHz Sennheiser HDX 28–15.000 Hz 90 dBA ≤ 0,9%	Receiver principle Sensitivity (with HDX, peak deviation) Adjacent channel rejection Intermodulation attenuation Blocking Pilot-tone squelch Headphone output AF output voltage (at peak deviation, 1 kHz AF) Power supply Dimensions Weight Operation time	diversity < 2.5 µV at 52 dBA _{eff} S/N ≥ 65 dB ≥ 70 dB ≥ 80 dB detachable 3.5 mm jack socket 2 x 100 mW at 32 Ω 2 AA batteries, 1.5 V 82 x 64 x 24 mm / 3.23" x 2.52" x 0.94" approx. 160 g (incl. batteries) approx. 4–6 h

Microphones	ME 2	ME 3-ew	ME 4
Transducer principle Sensitivity Pick-up pattern Max. SPL	condenser 20 mV/Pa omnidirectional 130 dB SPL	condenser 1.6 mV/Pa cardioid 150 dB SPL	condenser 40 mV/Pa cardioid 120 dB SPL
Microphone heads	SKM 135 	SKM 145 	SKM 165 
Transducer principle Sensitivity Pick-up pattern Max. SPL	dynamic 2.1 mV/Pa cardioid 154 dB SPL	dynamic 1.6 mV/Pa super-cardioid 154 dB SPL	condenser 1.6 mV/Pa super-cardioid 152 dB SPL
IE 4 earphones		SR 300 IEM  Stereo Transmitter	
Frequency response Max. SPL Impedance	40–20,000 Hz 118 dB SPL 32 Ω	RF output power at 50 Ω Antenna output Headphone output Output power at headphone output AF input Max. input voltage (at peak deviation, 1 kHz) Input impedance Power supply Max. power consumption at nominal voltage Dimensions Weight	typ. 30/10 mW, switchable BNC socket, 50 Ω 1/4" (6.3 mm) stereo jack socket 2 x 100 mW at 32 Ω 2 x XLR-3/jack combi socket, balanced +22 dBu 200 kΩ / 0,65 nF 12 V DC approx. 300 mA 190 x 212 x 43 mm approx. 900 g

series 300

- **NEW:** Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer—this delivers a good overview of monitoring and professional data management for multichannel systems
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank with up to 24 compatible frequencies
- **NEW:** 42 MHz bandwidth, 1,680 switchable frequencies*
- **NEW:** Increased range for audio sensitivity
- **NEW:** Large, illuminated dot matrix display with warning indicator
- **NEW:** More control options (menu)
- **NEW:** Enhanced AF frequency range
- **NEW:** Soundcheck mode
- **NEW:** Integrated equalizer
- **NEW:** Switchable RF output power*
- **NEW:** Optional remote switch
- **NEW:** Configurable mute modes
- **NEW:** Easy-to-reach configurable mute button on handheld transmitters
- **NEW:** Handheld transmitters with charging contacts
- 2 AA batteries for more than 8 hours of use
- 4-level charge indicator for transmitter battery
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- Incl. installation kit for 19" rack mounting (1 U)



series 500

- **NEW:** Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer—this delivers a good overview of monitoring and professional data management for multichannel systems
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank with up to 32 compatible frequencies
- **NEW:** 42 MHz bandwidth, 1,680 switchable frequencies*
- **NEW:** Increased range for audio sensitivity
- **NEW:** Large, illuminated dot matrix display with warning indicator
- **NEW:** More control options (menu)
- **NEW:** Enhanced AF frequency range
- **NEW:** Guitar cable emulation
- **NEW:** Switchable RF output power*
- **NEW:** Handheld transmitters with charging contacts
- **NEW:** Integrated guitar tuner in receivers
- Soundcheck mode
- Integrated equalizer
- 2 AA batteries for more than 8 hours of use
- 4-level charge indicator for transmitter battery
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- Incl. installation kit for 19" rack mounting (1 U)
- Professional e 900 microphone capsules



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