

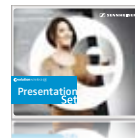
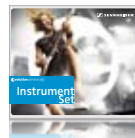
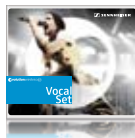
series
300

- **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 (RMS1)
- **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)
- Backwards compatible with evolution wireless G1 and G2 series



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
- Backwards compatible with evolution wireless G1 and G2 series



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evolutionwireless 

You Know
You Can

series
100

You Know You Can Get In
Front. You Know You Can
Raise Your Voice. You Know
You Can Rock The Crowd.
You Know You Can Impress.

Count on breakthrough sound. Playing a large gig? Or perhaps a smaller club? You can. Need to live it up on the stage? Need to move with absolute freedom? You can. Need the flexibility of several frequencies at your disposal? You can. The third generation of evolution wireless supplies full stage freedom and perfect sound for singers, musicians, and performers. G3 is absolutely dependable; it transmits reliably and is extremely durable. The technology has been developed by professional musicians who know exactly what a wireless system needs to survive when exposed to the rigors of everyday life on tour. Robust metal housings and easy operation of transmitters and receivers are just some of the features that attest to this. And like all products in the evolution series, professional equipment awaits you at a fair price.

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 any price. Evolution wireless G3 exceeds both its predecessors and competitors by a wide margin. This starts with the ease of use, continues with the enormous range of switching bandwidth, and ends with the robust construction.

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

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 you want the freedom of wireless.

Easy-to-use dot matrix display: a control menu that is simple, intuitive, and clear. This saves valuable time during installation and normal operation.

Robust equipment: specially developed for everyday life on stage, G3 units are ready to handle the abuse that touring acts can dish out. Incidentally, only G3 provides an all-metal housing for both 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 or artifacts.

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



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 cuts through the mix clearly, placing every lead singer exactly where he is supposed to be: right in front! In the process, the microphone delivers the full, studio-quality live sound that Sennheiser is known for. The 100 series vocal sets offer a choice of two dynamic capsules and one condenser microphone capsule adapted from the renowned evolution 800 microphone series.

evolution wireless ^{ev3}

1
T 1 EM 100
782.100 MHz

Easy-to-read dot matrix display, with soundcheck mode

mixing console

2
True diversity receiver with infrared interface for one-touch synchronization of transmitters

3
Powerful live sound. Just as powerful for rock and metal as for hip-hop, R&B and soul

4
Large display for easy navigation of menus

Charging Contacts

5
Easy to exchange microphone heads

Available Sets

ew 135 ^{ev3}



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

ew 145 ^{ev3}



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

ew 165 ^{ev3}



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

Instrument Set



Available Sets



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 frees 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 visible dot matrix display intuitively leads you through the control menu, and can always be easily read—even in difficult stage lighting conditions. A brand-new feature of the G3 is a built-in professional guitar tuner. This tuner is integrated directly into the receiver, allowing you to carry one less piece of equipment to the show.

Head Set

You Know You Can Make It Happen

Regardless of whether one is a singer, dancer, presenter, 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 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 hand, it packs a powerful sound, enabling it to reach the very last row with crystal-clear quality.

evolutionwireless G3



Available Sets

ew 152 G3*



ME 3-ew directional headset microphone with SK 100® bodypack transmitter, and EM 100® true diversity receiver.
*Also available in LE version.

Presentation Set



Available Sets

ew 112 ^{CS} *	ew 122 ^{CS}
 <p>ME 2 clip-on microphone (omni-directional) with SK 100^{CS} bodypack transmitter and EM 100^{CS} true diversity receiver. *Also available in LE version.</p>	 <p>ME 4 clip-on microphone (cardioid directional) with SK 100^{CS} bodypack transmitter and EM 100^{CS} true diversity receiver</p>

evolutionwireless ^{CS}3

You Know You Can Impress

The G3 presentation system establishes a standard in professional audio quality that has proved itself in TV studios and on large stages alike. For conference facilities and presentations, the presenter is always heard clearly, even in the very last row, without having to speak louder. The small clip-on microphone is nearly invisible. Once the microphone is attached to the bodypack transmitter, the cable can be hidden discreetly so the audience can focus on you - not on your audio system.

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 wireless sound transmission while filming, even in the most adverse conditions. You can choose between a nearly invisible clip-on microphone or a compact handheld microphone. The SKP 100 G3 plug-on transmitter conveniently transforms common devices with XLR jacks (microphones/mixing consoles) into wireless ones. This means full freedom of movement—either in the studio or on location.

evolutionwireless G3

Mute function for muting the transmitter

Auto-tuning function ensures the easiest frequency selection for indoor and outdoor shoots

Absolutely reliable transmission

Charging contacts

camera

Diversity receiver uses the line cable as a second antenna

Simple mounting to the camera using the shoe mount

Available Sets

ew 135-p[Ⓜ]



SKM 100-835[Ⓜ] handheld cardioid microphone, with EK 100[Ⓜ] portable diversity receiver

ew 100-ENG[Ⓜ]



SKP 100[Ⓜ] plug-on transmitter, + ME 2[Ⓜ] clip-on microphone, with EK 100[Ⓜ] portable diversity receiver

ew 112-p[Ⓜ]



SK 100[Ⓜ] portable transmitter, + ME 2[Ⓜ] clip-on microphone with omni polar pattern, EK 100[Ⓜ] portable diversity receiver

ew 122[Ⓜ]



SK 100[Ⓜ] portable transmitter, + ME 4[Ⓜ] clip-on microphone with cardioid polar pattern, EK 100[Ⓜ] portable diversity receiver

Wireless Monitoring Set



Available Sets

ew 300 IEM

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

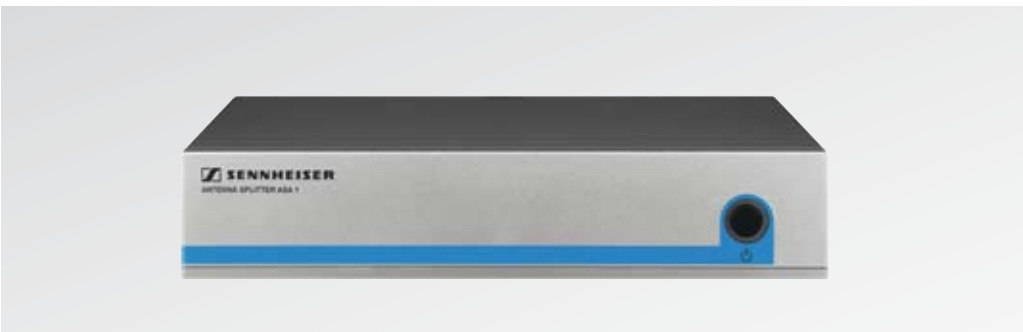
evolutionwireless G3

You Know You Can Enjoy The Show

With the evolution wireless monitor set, you can hear every last detail of your own performance across the entire stage. The included earphones have been specially developed to reproduce vocals or instruments exactly as it is heard in the arena. The monitor set excels on loud stages where hearing yourself used to mean battling with conventional floor wedges. The bodypack receiver is intuitive and uncomplicated to use with its large and easy-to-adjust volume knob. With professional limiting, a 5-band equalizer, and high frequency boost features, it allows you to set up your own personal mix exactly how you hear it in your head.

You Know You Can Expand

Get the very most from evolution wireless G3: a wide range of Sennheiser accessories allow you to get the most out of your system



ASA 1 Antenna splitter



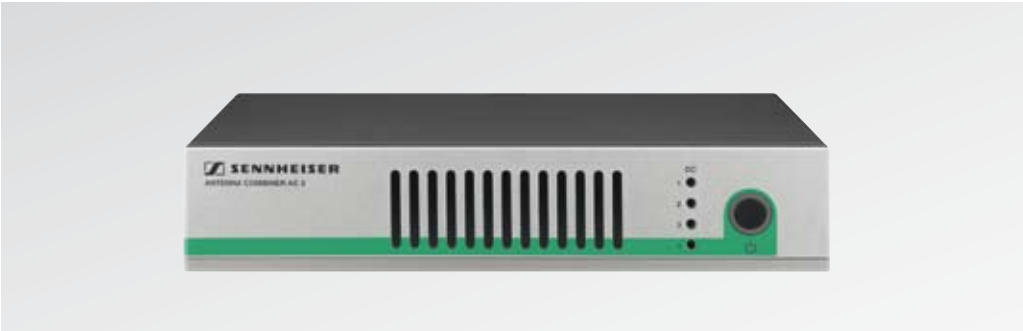
AB 3 Antenna booster



A 1031 Passive omnidirectional UHF antenna



Mic module



AC 3 Transmitter combiner



CC 3 System case



L 2015 Charging unit



LA 2 Charging adapter for SKM used with L 2015



A 12 Active directional UHF antenna



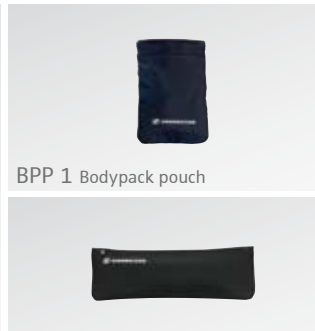
GA 3 Rack mount



A 2003 Passive directional UHF antenna



BA 2015 Rechargeable battery pack



BPP 1 Bodypack pouch



NT 3-1 Mains unit for AC 3



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



AM 2 Antenna front mount



CA 2 Camera adapter



CL 2 Line cable



CI 1 Instrument cable



SKM 100



SK 100

EK 100

EM 100



SR 300 IEM



You Know You Can Have Them All

Add any of the following evolution wired microphones to your G3 system.
All evolution 800 wired microphones come standard with an industry-leading 10-year warranty.

evolution^{series}800



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

evolution^{series}600



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



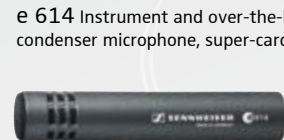
e 604 Cardioid, for use with drums and brass instruments, dynamic



e 609 silver Super-cardioid, specially for guitar cabs and getting close to the source, dynamic



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.sennheiserusa.com/G3. Here you can test online applications that simulate a realistic stage situation. You will be given access to all system components, allowing you to develop a true feeling of rocking out with the evolution wireless G3.

Visit www.sennheiserusa.com for the following G3 materials:

- Detailed product descriptions and specifications
- Selection tool for finding the best system for various applications
- Animated online user manual

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.



series
100 | 100 LE incl. Wireless Monitor Set

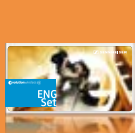
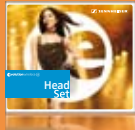
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank management with up to 12 compatible frequencies per bank
- **NEW:** 42 MHz bandwidth, 1,680 switchable frequencies*
- **NEW:** Easy-to-read illuminated dot matrix display
- **NEW:** 4-level charge 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
- Backwards compatible with evolution wireless G1 and G2 series

100 LE Set

- 36 MHz bandwidth, 1,440 switchable frequencies*
- e 815 capsule on EW115G3 LE series

Wireless Monitor Set

- **NEW:** SR 300 IEM with Ethernet port
- **NEW:** Receiver with Adaptive Diversity
- **NEW:** Combined balanced XLR / ¼" audio inputs
- **NEW:** Balanced ¼" Audio Loop Outs
- **NEW:** Graphic 5 band EQ in transmitter
- **NEW:** Audio limiter in receiver adjustable in 4 steps



Technical Data		System ew 100 [Ⓔ]		Microphones	ME 2	ME 3-ew	ME 4
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 20 channel banks, 1 fixed bank, 12 factory preset channels each 42 MHz Sennheiser HDX 25–18,000 Hz ≥ 110 dBA ≤ 0.9%			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
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 dBA ≥ 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 / 7.48" x 8.35" x 1.69" approx. 900 g / 1.98 lbs.	diversity < 2.5 µV at 52 dBA ≥ 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) / 5.64 oz. typ. 8 h		Microphone heads			
Transmitters	SK 100 [Ⓔ]	SKP 100 [Ⓔ]	SKM 100 [Ⓔ]	Transducer principle Sensitivity Pick-up pattern Max. SPL	SKM 135 [Ⓔ]	SKM 145 [Ⓔ]	SKM 165 [Ⓔ]
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 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 / 5.64 oz.	typ. 30 mW 80–18,000 Hz 3 V 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 / 6.88 oz.	typ. 30 mW 80–18,000 Hz - - 2 AA batteries, 1.5 V 2.4 V typ. 8 h ∅ 50 x 265 mm / 1.97" x 10.43" approx. 450 g / 15.87 oz.	dynamic 2.1 mV/Pa cardioid 154 dB SPL	dynamic 2.1 mV/Pa super-cardioid 154 dB SPL	dynamic 1.6 mV/Pa super-cardioid 152 dB SPL	condenser 1.6 mV/Pa super-cardioid 152 dB SPL
System ew 300 IEM [Ⓔ] (Wireless Monitoring)		Wireless Monitoring: EK 300 IEM [Ⓔ] Stereo Receiver		IE 4 earphones		SR 300 IEM [Ⓔ] Stereo Transmitter	
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 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 ≥ 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) / 5.64 oz. approx. 4–6 h	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 / 7.48" x 8.35" x 1.69" approx. 900 g / 1.98 lbs.

*See accompanying information for regulations regarding correct deployment and frequency use.