



Wireless Microphone System

**ew 300 G4**

**The most flexible solution  
for business and education**

**SENNHEISER**

# The most flexible wireless microphone system for business and education



evolution wireless –  
the worldwide  
industry standard

With ew 300 G4, Sennheiser yet raises the bar of known quality one more time by offering even higher flexibility and optimized support for digital workflows.

Thanks to remote control and monitoring with the Sennheiser Control Cockpit software, the fourth generation of evolution wireless is the most versatile and flexible microphone series in business applications.

# A multi-purpose tool for all applications



## Education – Speech and Lecture

ew 300 G4 meets the real-life requirements of universities, schools and colleges with reliable, future-proof solutions. All products are 100% focused on ease of operation for a multitude of users.

All capsules are optimized for speech. The entire microphone portfolio of ew 300 G4 is remote controllable with the Sennheiser Control Cockpit software for campus wide management.



## Corporate – Presentation

Modern workplaces call for state-of-the-art audio solutions that ensure professional communication.

With its speech optimized, sturdy microphone capsules, ew 300 G4 offers highly flexible solutions with great sound quality and utmost reliability in any kind of presentation.



## Rental – Presentation, Performance, Moderation

One fits all: no matter what job to do, ew 300 G4 covers all professional applications from voice to performance, from rock to business. Your customers can rely on robust and reliable devices for everyday usage.



## Hospitality – Live Performance and Moderation

For the multitude of your customers' events, you can rely on only one flexible tool – ew 300 G4. As all-in-one solution suitable for every purpose, ew 300 G4 covers the wide range from moderation in conference halls to groovin' live performances on stage.



## Government – Speech

For public usage where maximized transmission reliability is needed, ew 300 G4 is the perfect solution with its robust, speech optimized and remote controllable devices.

# Benefits



## Flexible applicability

Thanks to its great sound, reliable RF transmission and robust devices combined with the right accessories, ew 300 G4 is probably the most flexible wireless microphone system available.

You can rely on it in any situation, in any application, in any location. It covers all professional audio demands and suits perfectly for any speech, lecture, conference, moderation or live performance on stage.



**Broad UHF frequency range**

Extending the known reliability and robust RF performance of the evolution wireless microphone family, ew 300 G4 now offers with up to 88 MHz an even increased switching bandwidth for easier channel setup.

Eleven frequency variants between 470 and 865 MHz cover globally local regulatory specifics for flexible setups – be it mobile microphone usage or installed.



**Multi-channel operation**

evolution wireless is known for its outstanding performance in multi-channel operation. With switchable transmission power of up to 50 mW and the increased switching bandwidth of up to 88 MHz, ew 300 G4 covers all kinds of multi-channel setups for any kind of event indoors or outdoors.

Together with the broad range of antenna components, even huge setups can be organized and optimized in a snap.



**Remote controllability**

For optimal operation of even large scaled setups, the entire ew 300 G4 system is remote controllable with Sennheiser’s state-of-the-art software solutions.

For installed setups, the Sennheiser Control Cockpit Software is the ideal tool for easy handling, campus wide control and maintenance of the entire ew 300 G4 system, while for mobile and stage applications Sennheiser’s Wireless Systems Manager is the best choice.



**Perfect match for LSP 500 PRO**

Enable your wireless microphone system to transmit sound! Evolve your ew 300 G4 microphone setup through the combination with LSP 500 PRO, Sennheiser’s unique loudspeaker solution for flexible, wireless applications. To build up flexible and fully wireless setups on demand for a spontaneous speech, all microphones of the ew 300 G4 series are compatible with the completely wireless, integrated PA system LSP 500 that is remote controllable via LSP 500 PRO App.

Like the entire ew 300 G4 series, all mobile setups are fully remote controllable and allow for any speech, presentation or events audio – be it indoors or outdoors.



**Dante™ ready**

With its completely Dante™ enabled microphone portfolio, ew 300 G4 satisfies customer demands for cost efficient state-of-the-art audio integration solutions.

As part of the ew 300 G4 microphone series, the SL DI 4 XLR four input Dante™ interface easily adds wireless microphone receivers or add mic/line inputs to a Dante™ system. The small form factor of the SL DI 4 XLR allows it to be mounted almost anywhere and to get close to audio sources to minimize interference-prone analog wiring.

# System overview



## The ew 300 G4 system

The ew 300 G4 system comprises of outstanding components and has now been optimized in its fourth generation. The ew 300 G4 system is available in three different kinds sets. (Handheld, Lavalier and Headmic Set)

The handheld and bodyback transmitter as well as the stationary receiver are also available as single components for individual configuration of your desire.

The charging and antenna components round out the ew 300 G4 portfolio to provide best performance in operation and reliability in any application. A unique accessory is the LSP 500 PRO wireless loudspeaker system that is remote controllable via LSP 500 PRO App. ew 300 G4 enables LSP 500 PRO to be a fully wireless public address system for any speech or event.

# Technical data: components and sets



## SKM 300 G4-S

### Technical data

Powerful handheld transmitter with a lightweight aluminum housing, increased bandwidth and transmission power, and integrated mute switch for evolution wireless G4 300 Series systems, delivering exceptional speech intelligibility in Business and Education. Just add your favorite capsule.

RF output power (switchable)	
Low	typ. 10 mW
Standard	typ. 30 mW
High	typ. 50 mW
Available frequency ranges	
Aw+:	470 - 558 MHz
AS:	520 - 558 MHz
Gw1:	558 - 608 MHz
Gw:	558 - 626 MHz
GBw:	606 - 678 MHz
Bw:	626 - 698 MHz
Cw:	718 - 790 MHz
Dw:	790 - 865 MHz
JB:	806 - 810 MHz
K+:	925 - 937.5 MHz
Switching bandwidth	up to 88 MHz
Acoustic (interchangeable microphone head)	Yes
Power supply	
Accupack	BA 2015 accupack (2.7 V)
Batteries	2 x AA size battery (1.5 V)
Operating time	typ. 8 h
Display	LCD
Mute switch	available
Dimensions	
Diameter	approx. 50 mm (1.57")
Length	265 mm (8.46")
Weight	approx. 450 g





## SK 300 G4-RC

### Technical data

Robust bodypack transmitter with increased bandwidth and transmission power for evolution wireless G4 300 Series systems, delivering exceptional speech intelligibility in Business and Education.

RF output power (switchable)											
Low	typ. 10 mW										
Standard	typ. 30 mW										
High	typ. 50 mW										
Available frequency ranges	<table border="0"> <tr> <td>Aw+: 470 - 558 MHz</td> <td>Bw: 626 - 698 MHz</td> </tr> <tr> <td>AS: 520 - 558 MHz</td> <td>Cw: 718 - 790 MHz</td> </tr> <tr> <td>Gw1: 558 - 608 MHz</td> <td>Dw: 790 - 865 MHz</td> </tr> <tr> <td>Gw: 558 - 626 MHz</td> <td>JB: 806 - 810 MHz</td> </tr> <tr> <td>GBw: 606 - 678 MHz</td> <td>K+: 925 - 937.5 MHz</td> </tr> </table>	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz	AS: 520 - 558 MHz	Cw: 718 - 790 MHz	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz	Gw: 558 - 626 MHz	JB: 806 - 810 MHz	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
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GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz										
Switching bandwidth	up to 88 MHz										
Microphone input	3.5 mm jack										
Power supply											
Accupack	BA 2015 accupack (2.7 V)										
Batteries	2 x AA size battery (1.5 V)										
Operating time	typ. 8 h										
Display	LCD										
Mute switch	available										
Dimensions	approx. 82 x 64 x 24 mm										
Weight	approx. 160g										



## EM 300-500 G4

### Technical data

True diversity half-rack receiver in a full-metal housing with intuitive OLED display for full control with increased bandwidth and transmission power for evolution wireless G4 300 Series systems, delivering exceptional speech intelligibility in Business and Education.

Available frequency ranges	<table border="0"> <tr> <td>Aw+: 470 - 558 MHz</td> <td>Bw: 626 - 698 MHz</td> </tr> <tr> <td>AS: 520 - 558 MHz</td> <td>Cw: 718 - 790 MHz</td> </tr> <tr> <td>Gw1: 558 - 608 MHz</td> <td>Dw: 790 - 865 MHz</td> </tr> <tr> <td>Gw: 558 - 626 MHz</td> <td>JB: 806 - 810 MHz</td> </tr> <tr> <td>GBw: 606 - 678 MHz</td> <td>K+: 925 - 937.5 MHz</td> </tr> </table>	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz	AS: 520 - 558 MHz	Cw: 718 - 790 MHz	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz	Gw: 558 - 626 MHz	JB: 806 - 810 MHz	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
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Gw: 558 - 626 MHz	JB: 806 - 810 MHz										
GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz										
Switching bandwidth	up to 88 MHz										
Display	OLED										
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket										
Audio output level	<table border="0"> <tr> <td>6.3 mm jack</td> <td>+12 dBu</td> </tr> <tr> <td>XLR</td> <td>+18 dBu</td> </tr> </table>	6.3 mm jack	+12 dBu	XLR	+18 dBu						
6.3 mm jack	+12 dBu										
XLR	+18 dBu										
Network	RJ 45										
Antenna connectivity	2 BNC sockets										
Dimensions	approx. 202 x 212 x 43 mm										
Weight	approx. 980 g										



### ew 300 G4-865-S Set

#### Technical data

Moderators and presenters love working with G4. The aluminum housing of the handheld transmitter is not just robust but also lightweight for long speeches, whereas the noiseless mute switch ensures full control.

Available frequency ranges	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz
	AS: 520 - 558 MHz	Cw: 718 - 790 MHz
	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz
	Gw: 558 - 626 MHz	JB: 806 - 810 MHz
	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
Switching bandwidth	up to 88 MHz	
Included acoustic	MME 865	
Display	OLED	
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket	
Audio output level	+12 dBu +18 dBu	
Network	RJ 45	
Antenna connectivity	2 BNC sockets	



### ew 300 G4-HEADMIC1-RC Set

#### Technical data

The powerful professional HEADMIC1 is the pro's choice for lively lectures and speeches. Its high speech intelligibility makes the headset microphone – besides its good look – absolutely reliable. Remote mute switch available for the bodypack transmitter.

Available frequency ranges	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz
	AS: 520 - 558 MHz	Cw: 718 - 790 MHz
	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz
	Gw: 558 - 626 MHz	JB: 806 - 810 MHz
	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
Switching bandwidth	up to 88 MHz	
Microphone input	3.5 mm jack	
Included acoustic	SL Headmic 1	
Display	OLED / LCD	
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket	
Audio output level	+12 dBu +18 dBu	
Network	RJ 45	
Antenna connectivity	2 BNC sockets	



### ew 300 G4-ME2-RC Set

#### Technical data

The powerful clip-on mic package. Easy to operate, reliable while transmitting – G4 does the job. The 300 series lavalier mic set ensures hands-free operation even during the longest congress or lecture. Remote mute switch available for the bodypack transmitter.

Available frequency ranges	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz
	AS: 520 - 558 MHz	Cw: 718 - 790 MHz
	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz
	Gw: 558 - 626 MHz	JB: 806 - 810 MHz
	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
	Switching bandwidth	up to 88 MHz
Microphone input	3.5 mm jack	
Included acoustic	ME 2	
Display	OLED / LCD	
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket	
Audio output level	+12 dBu +18 dBu	
Network	RJ 45	
Antenna connectivity	2 BNC sockets	



### ew 300 G4-BASE SK-RC Set

#### Technical data

The best choice if you need a bodypack transmitter and maximum flexibility. This base set consists of the stationary receiver as well as a bodypack transmitter. Just add your favorite clip-on or headset microphone.

Available frequency ranges	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz
	AS: 520 - 558 MHz	Cw: 718 - 790 MHz
	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz
	Gw: 558 - 626 MHz	JB: 806 - 810 MHz
	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
	Switching bandwidth	up to 88 MHz
Microphone input	3.5 mm jack	
Included acoustic	none	
Display	OLED / LCD	
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket	
Audio output level	+12 dBu +18 dBu	
Network	RJ 45	
Antenna connectivity	2 BNC sockets	



### ew 300 G4-BASE SKM-S Set

#### Technical data

The best choice if you need a handheld transmitter and maximum flexibility. This base set consists of the stationary receiver as well as a handheld transmitter. Just add your favorite capsule.

Available frequency ranges	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz
	AS: 520 - 558 MHz	Cw: 718 - 790 MHz
	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz
	Gw: 558 - 626 MHz	JB: 806 - 810 MHz
	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
Switching bandwidth	up to 88 MHz	
Included acoustic	none	
Display	OLED / LCD	
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket	
Audio output level	+12 dBu +18 dBu	
Network	RJ 45	
Antenna connectivity	2 BNC sockets	



### ew 300 G4-BASE COMBO Set

#### Technical data

The best choice if you need bodypack, handheld transmitters and maximum flexibility. This base set consists of the stationary receiver as well as a bodypack and a handheld transmitter. Just add your favorite capsule and clip-on or headset microphone.

Available frequency ranges	Aw+: 470 - 558 MHz	Bw: 626 - 698 MHz
	AS: 520 - 558 MHz	Cw: 718 - 790 MHz
	Gw1: 558 - 608 MHz	Dw: 790 - 865 MHz
	Gw: 558 - 626 MHz	JB: 806 - 810 MHz
	GBw: 606 - 678 MHz	K+: 925 - 937.5 MHz
Switching bandwidth	up to 88 MHz	
Microphone input	3.5 mm jack	
Included acoustic	none	
Display	OLED / LCD	
Audio connectivity	6.3 mm jack socket (unbalanced) XLR socket (balanced) 6.3 mm headphone socket	
Audio output level	+12 dBu +18 dBu	
Network	RJ 45	
Antenna connectivity	2 BNC sockets	



## LSP 500 PRO

### Technical data

Complete wireless integrated speaker system. Wireless controllable via iPad or Windows device.

Numer of receiver/transmitter slots	3
Wireless connectivity	Bluetooth, WiFi, Wireless microphone slots
Battery operating time	approx. 6 h
Audio connectivity	MIC INPUT, LINE OUT, AUX IN, LINK IN, LINK OUT
USB Connection	Audio playback and recording
Display	OLED
Remote control	LSP 500 PRO App
Power supply	110–240 V DC
Dimensions	290 x 550 x 320 mm
Weight	approx. 13.6 kg without receiver



## L 2015

### Technical data

The L 2015 quick-charging unit automatically recharges two Sennheiser BA 2015 batteries. The batteries are either inserted directly into the charger or remain in their bodypack transmitters/receivers of the System 2015, the evolution wireless G3 100, 300 and 500 Series, Tourguide SK 2020-D and EK 1038.

Charging time	approx. 2.5 h
Operating temperature	0 to 40 °C
Power supply	2 x 700 mA
Current consumption	400 – 750 mA
Display	LCD
Input voltage range	10 – 20 V DC
Output voltage	2 x 2.9 V
Cells	NiMH, 2 x 1,2V (BA 2015)
Dimensions	145 x 80 x 110 mm
Weight	approx. 310 g



## Sennheiser Control Cockpit Software

### Technical data

The Sennheiser Control Cockpit is Sennheiser's new core control software embracing digital workflows to optimize daily business routines. It is the central software for control, monitoring and maintenance of all SpeechLine Digital Wireless, evolution wireless G4 and Digital 6000 devices.

#### Key Features:

- Global system statistics – overview of the system status with key information at a glance
- Easy device identification – naming, localization and paging function for all devices
- Status monitoring of all microphones within a network (audio, wireless link quality, battery, network, settings)
- Search and filter functions – fast identification and detection of devices and settings
- Device view for seamless management and overview of many devices
- Location view for clear overview of big installations
- Monitoring view for high level overview and control about all microphones in one location
- SMS / E-mail Push Notification on events or system warnings
- Event log – Easy tracking of past notifications and alerts
- Responsive Design – outstanding usability on any mobile device running iOS, Android or Windows
- Localized in multiple languages
- Seamless software and firmware updates
- Built-in interactive manual with search function for detailed information



## SL DI 4 XLR

### Technical data

The SL DI 4 XLR four input Dante™ preamp is the ideal interface for wireless microphone receivers and adding mic/line inputs to a Dante™ system. The small form factor of the SL DI 4 XLR allows them to be mounted almost anywhere, putting them close to audio sources and minimizing interference-prone analog wiring.

Power consumption	500 mA
Powering	12V DC or 802.3af PoE
Phantom powering	P 48
THD, total harmonic distortion	typ. 0.1 %
Connection	
Audio In:	4x XLR3F
Ethernet / Dante™:	2x RJ 45 (1x with PoE)
PowerLink:	2x 2pole connector
Compatible Products	SL Rack Receiver DW ewG4 EM 300 MEB 114 MEG 14-40-L ... and others.
Dimensions	219 x 38 x 120 mm (8.63" x 1.50" x 4.74")
Weight	approx. 770 g (1.7 lbs)



	MMD 835 BK	MMD 845	MME 865
Microphone type	dynamic	dynamic	pre-polarized condenser microphone
Sensitivity	2.1 mV/Pa	1.6 mV/Pa	1.6 mV/Pa
Pick-up pattern	cardioid	super-cardioid	super-cardioid
Max. SPL	154 dB SPL	154 dB SPL	152 dB SPL



	ME 2	ME 3	ME 4
Microphone type	pre-polarized condenser microphone		
Sensitivity	20 mV/Pa	1.6 mV/Pa	40 mV/Pa
Pick-up pattern	omni-directional	cardioid	cardioid
Max. SPL	130 dB SPL	150 dB SPL	120 dB SPL



	MMD 935	MMD 945	MMK 965
Microphone type	dynamic	dynamic	externally polarized condenser microphone
Sensitivity	2.5 mV/Pa	1.8 mV/Pa	2,2 mV/Pa (factory)
Pick-up pattern	cardioid	super-cardioid	cardioid / super-cardioid (switchable)
Max. SPL	154 dB SPL	154 dB SPL	154 dB SPL (factory)



	MKE1	MKE2	MKE 40
Microphone type	pre-polarized condenser microphone		Pressure gradient transducer
Sensitivity	5 mV/Pa, ± 2,5 dB	5 mV/Pa, ± 3 dB	42 mV/Pa, ± 2,5 dB
Pick-up pattern	omni-directional	omni-directional	cardioid
Max. SPL	142 dB SPL	142 dB SPL	118 dB SPL



## SL HEADMIC 1

### Technical data

The SL Headmic 1 is an extremely unobtrusive and comfortable-to-use headworn microphone. It features the proven omni-directional MKE 1 microphone capsule. The adjustable neck band makes its use convenient for everyone. The extremely light-weight (7 g) but robust metal frame makes long-term usage most convenient.

Frequency response (Microphone)	20 to 20 kHz
Max. SPL	143 dB
Pick-up pattern	omni-directional
Sensitivity in free field, no load (1kHz)	5 mV/Pa
Nominal impedance	1 kΩ
Equivalent noise level	27 dB
Weight (w/o cable)	7 g



## HS 2

### Technical data

The HS 2 is an omni-directional headset microphone using an MKE 2 Gold capsule and fitted with a steel wire cable perfect to wireless bodypack transmitters. The small capsule and gooseneck assembly can be optimally positioned for both vocal and speech applications.

Frequency response (Microphone)	20 to 20 kHz
Maximum sound pressure level (passive)	142 dB
Pick-up pattern	omni-directional
Sensitivity in free field, no load (1kHz)	5 mV/Pa
Nominal impedance	1 kΩ
Equivalent noise level	26 dB(A)
Weight	approx. 196 g



# The Future of Audio

[sennheiser.com/ew300g4](https://sennheiser.com/ew300g4)