DEDICATED TO SPEECH

Experience Simplicity with
SpeechLine Digital Wireless

SENNHEISER

EASY | RELIABLE | FUTURE-PROOF

SPEECHLINE DIGITAL WIRELESS

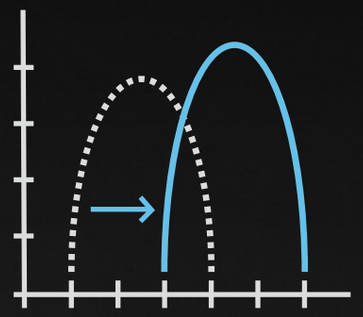
The world’s first digital wireless microphone exclusively for speech.
No audio know-how is required – it’s already built in.

EASY

EXPERIENCE SIMPLICITY

Experience superior ease of use.
The best microphone is the one you
don‘t have to think about...

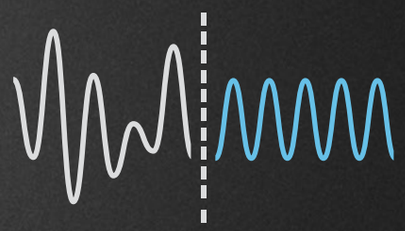
EASY



EASIEST SET-UP

Automatic Frequency Management performs an on-site realtime scan on startup and finds free frequencies without any need for manual fine tuning.

EASY



EASIEST OPERATION

Automatically adjusts volume levels to ensure superior audio clarity. **Automatic Audio Level Management** adjusts gain levels and sensitivity to always ensure the best signal-to-noise ratio. Distortion is a thing of the past.

EASY

EASIEST SYSTEM MANAGEMENT

App-based remote monitoring and maintenance. Easy monitoring and operation via the Wireless System **Remote App** for iOS or Android.

RELIABLE

TRUST RELIABILITY

SpeechLine Digital Wireless is a professional solution for speeches and lectures. It offers the greatest reliability and helps prevent potential presentation pitfalls.

RELIABLE

AUTOMATIC INTERFERENCE MANAGEMENT

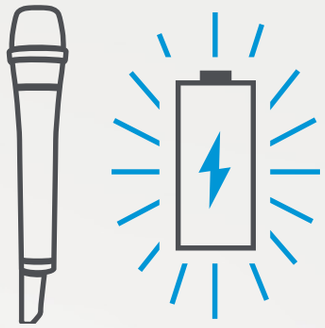
Digital transmission is the technological basis for effective Automatic Interference Management. SpeechLine Digital Wireless will seamlessly switch to a free channel in the event of frequency disturbances.

RELIABLE

OPTIMUM SPEECH INTELLIGIBILITY

Audio presets for male/female voices, and preconfigured sound profiles for dedicated settings.

RELIABLE



CONVENIENT RECHARGING

Powerful Li-Ion technology: Outstanding battery life up to 15 h. SpeechLine Digital Wireless comes with USB charging and state-of-the-art power management with runtime prediction.

FUTURE-PROOF

SEAMLESSLY INTO THE FUTURE

The professional wireless microphone system for tomorrow and today.

FUTURE-PROOF

256-BIT

ADVANCED 256-BIT AES ENCRYPTION

The strongest encryption algorithm for secure wireless transmission. Keep it confidential: A unique encryption key will be generated individually whenever a microphone is connected to the receiver.

FUTURE-PROOF

LICENSE-FREE

License-free operation, no registration required. No license fees and free operation within the 1.9 GHz range. Plus: This frequency band is far less busy than other frequencies, e.g. Wifi.

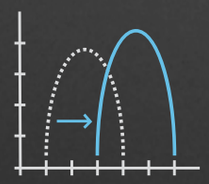
FUTURE-PROOF

FUTURE-PROOF 1.9 GHZ

A smart investment in a future-proof frequency range. The 1.9 GHz frequency band is not affected by legislative changes.

SpeechLine Digital Wireless

ALL FEATURES AT A GLANCE

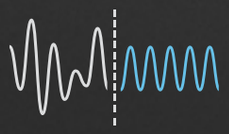


AUTOMATIC FREQUENCY MANAGEMENT

No frequency planning or manual fine tuning required due to Auto Frequency Management.

CONVENIENT RECHARGING

Powerful Li-Ion technology:
Outstanding battery life up to 15 h.



AUTOMATIC AUDIO LEVEL MANAGEMENT

Adjusts gain levels and sensitivity fully automatically and always guarantees superior audio clarity.

LICENSE-FREE

License-free operation, no registration required.

REMOTE APP

Easy monitoring and operation via the Wireless System Remote App for iOS or Android.

FUTURE-PROOF 1.9 GHZ

A smart investment in a future-proof frequency range.

OPTIMUM SPEECH INTELLIGIBILITY

Audio presets for male/female voices, and preconfigured sound profiles for dedicated settings.

ADVANCED 256-BIT AES ENCRYPTION

The strongest encryption algorithm for secure wireless transmission.

AUTOMATIC INTERFERENCE MANAGEMENT

Actively avoids wireless transmission disturbances by quickly switching to a free frequency.

MULTICHANNEL OPERATION

Up to 20 RF channels per range (dependant on local regulations).

SpeechLine Digital Wireless

COMPONENTS

SL WSR APP

Remote control of SpeechLine Digital Wireless via App.

SL RACK RECEIVER DW

Reliable core –
The heart of the system

SL CHG 2

Two bay charger for SpeechLine DW.

SL HEADMIC 1

Nearly invisible and easy-to-wear microphone.

SL BODYPACK DW

Intuitive handling, perfect transmission.

SL HANDHELD DW

Your mobile speech emphasizer.

SYSTEM

AF frequency response	20 to 20,000 Hz	
Dynamic range	> 120 dB (A)	
THD (1 kHz)	typ. 0.1 %	
Audio sampling	24 bit/48 kHz	
Signal-to-noise ratio	> 90 dB (A)	
Encryption	AES 256	
RF frequency ranges	EU:	1,880 to 1,900 MHz
	USA:	1,920 to 1,930 MHz
	Brazil:	1,910 to 1,920 MHz
	Taiwan:	1,880 to 1,895 MHz
	Japan:	1,893 to 1,906 MHz
Modulation	GFSK with back channel	
Transmission method	TDMA space diversity	
Latency	19 ms	
Temperature range*	relative air humidity max. 95 %	
Operation:	–10 °C to +55 °C	
Storage:	–20 °C to +70 °C	

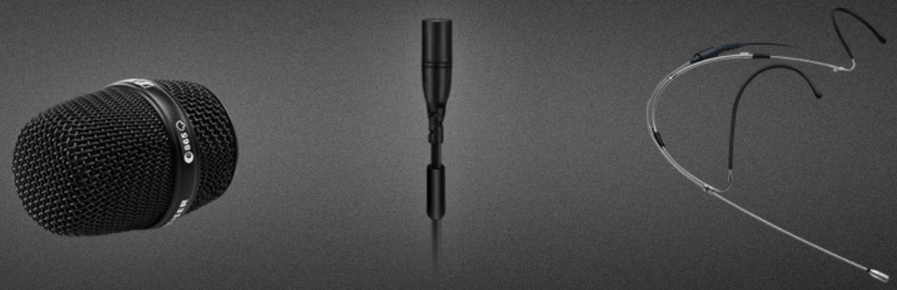
* The temperature range is influenced by the battery characteristics

SL HANDHELD DW

RF output power	adaptive, up to 250 mW (country-specific)
AF frequency response	50 to 20,000 Hz
Input sensitivity	automatic sensitivity adjustment
Power supply	
Accupack	BA 10 (Li-Ion, 3.7 V)
Batteries*	2 x AA size battery (1.5 V)
Operating time	
Accupack	typ. 15 h
Batteries*	typ. 10 h
Display	LCD
Mute switch	available
Weight (w/o accupack)	approx. 262 g incl. microphone head

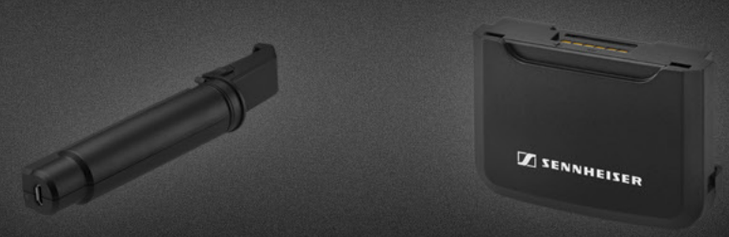
* optional accessory

MICROPHONES



	MME 865-1	MKE 1	SL Headmic 1
Microphone type		pre-polarized condenser microphone	
Sensitivity	1.6 mV/Pa	5 mV/Pa	5 mV/Pa
Pick-up pattern	super-cardioid	omni-directional	omni-directional
Max. SPL	152 dB SPL	142 dB SPL	142 dB SPL

BATTERY PACKS

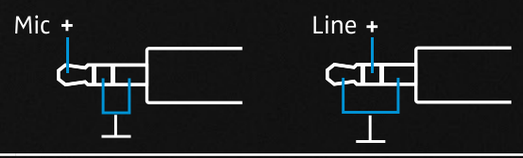


	BA 10	BA 30
Charging capacity	2200 mAh	2030 mAh
Output voltage	3.6 V	3.7 V

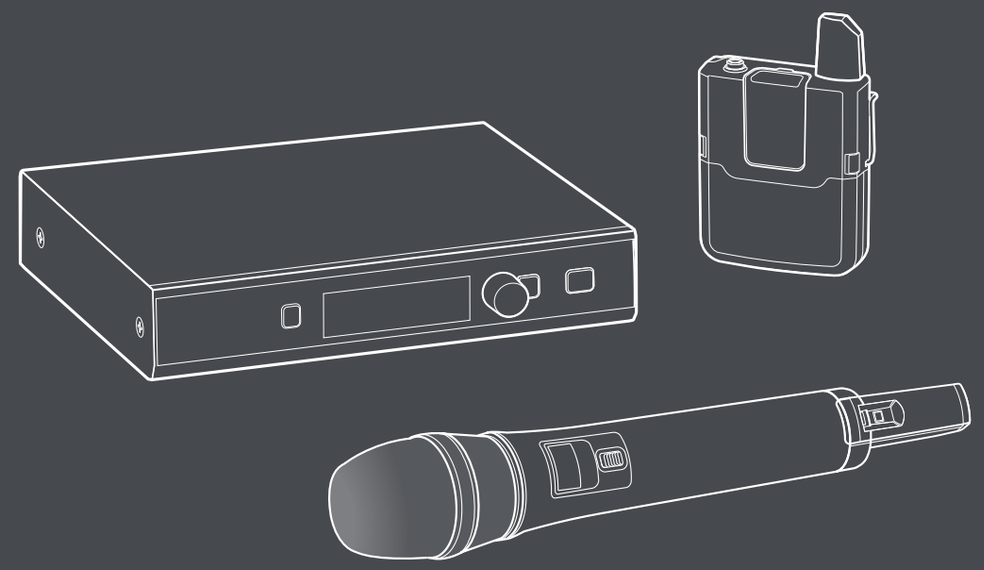
SL RACK RECEIVER DW

RF sensitivity	< –90 dBm
RF output power back channel	adaptive, up to 250 mW (country-specific)
Digital gain	adjustable in 6-dB steps
Mic/line level switch	–24 dB/0 dB
XLR, balanced	max. +18 dBu
RCA, unbalanced	max. +6 dBu
Audio effects	
Low cut	–3 dB at 120 Hz
Equalizer	7-band graphic equalizer with sound presets
Automatic gain control AGC	compression/expansion with automatic make-up gain function
Display	OLED
Network protocol	Media Control Protocol TCP/IP IPv4 (DHCP, Manual)/IPv6
Power supply	12 V DC
Current consumption	350 mA
AF connection sockets	XLR/2 x RCA
Antenna sockets	2 x Rev-SMA
Network socket	RJ45
DC socket for power supply	hollow jack
Weight	approx. 828 g

SL BODYPACK DW

RF output power	adaptive, up to 250 mW (country-specific)
AF frequency response	
Mic	50 to 20,000 Hz
Line	20 to 20,000 Hz
Max. input level	
Mic	2.2 V RMS
Line	3.3 V RMS
Line input impedance	1 MΩ
Input sensitivity	automatic sensitivity adjustment
Power supply	
Accupack	BA 30 (Li-Ion, 3.7 V)
Batteries*	2 x AA size battery (1.5 V)
Operating time	
Accupack	typ. 15 h
Batteries*	typ. 11 h
AF connection socket	3.5 mm jack socket, lockable connector assignment: 
Weight (w/o accupack)	approx. 88 g

* optional accessory



Sennheiser electronic GmbH & Co. KG

Am Labor 1, 30900 Wedemark, Germany
www.sennheiser.com

sennheiser.com/speechline-dw