



DEDICATED TO SPEECH

Experience Simplicity with
SpeechLine Digital Wireless



EASY

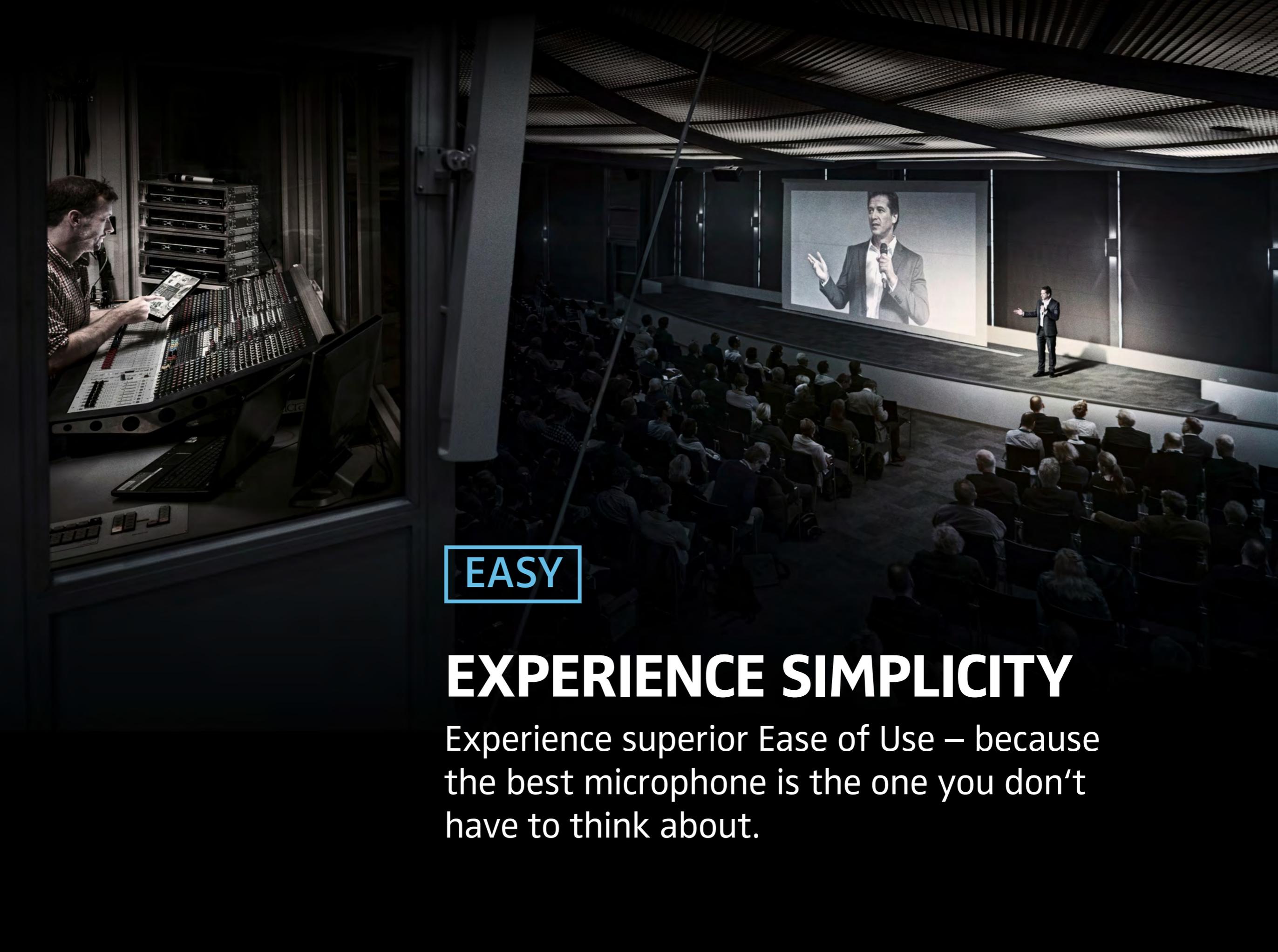
RELIABLE

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.



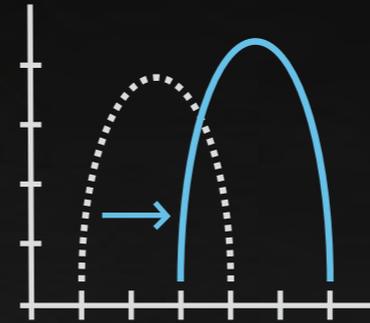
A composite image showing a man in a control room on the left, operating a mixing console with various buttons and sliders. In the background, a large audience is seated in a dark hall, facing a stage where a man in a suit is presenting. A large screen behind the speaker displays a close-up of the speaker. The scene is dimly lit, with the stage and screen providing the main light source.

EASY

EXPERIENCE SIMPLICITY

Experience superior Ease of Use – because the best microphone is the one you don't have to think about.

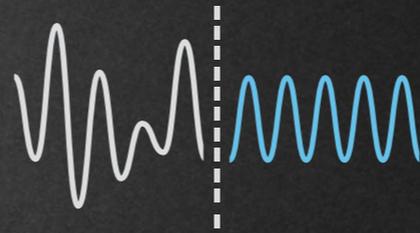
EASY



EASIEST SET-UP

Automatic Frequency Management performs an on-site realtime scan on startup to find free frequencies. No need for manual fine tuning.

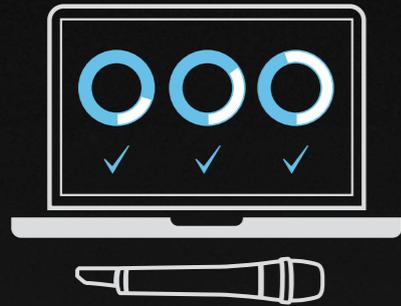
EASY



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

Software based status monitoring and maintenance. Easy monitoring and operation via the **Sennheiser Control Cockpit** Software.



Link Status	
Active Link	230
No Link	30
Bad Link	5

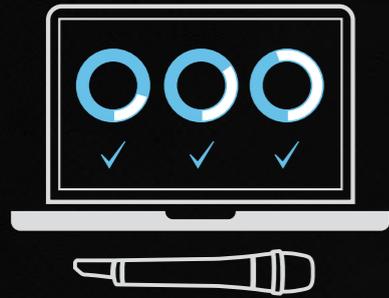
Remaining Battery Life	
> 2 h	145
< 2 h	90
< 0.5 h	15

Time to Full	
< 0.5 h	10
< 2 h	6
> 2 h	4

Charge Cycles	
< 200	145
< 500	55
> 500	50

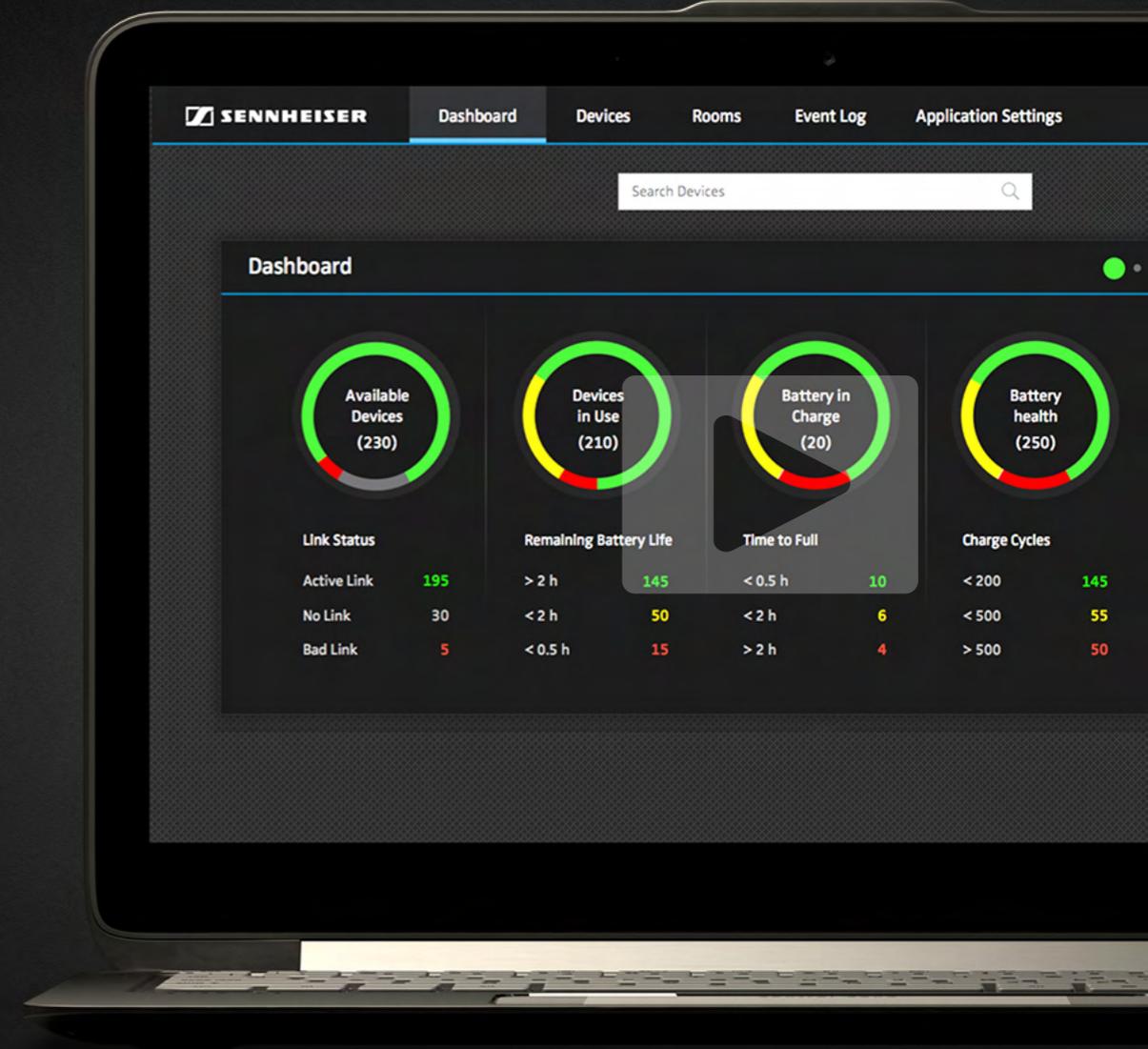
Available Devices	
Available	195
Not Available	30
Network Problem	5

EASY



CONTROL COCKPIT FEATURES

- Clear overview of devices and their locations
- Dashboard overview of all SpeechLine DW devices in the network
- Easy control of multiple devices at the same time (bulk editing)
- Smart analytics and statistics for convenient operation





RELIABLE

TRUST RELIABILITY

[SpeechLine Digital Wireless](#) is a professional solution for speeches and lectures. It offers 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.



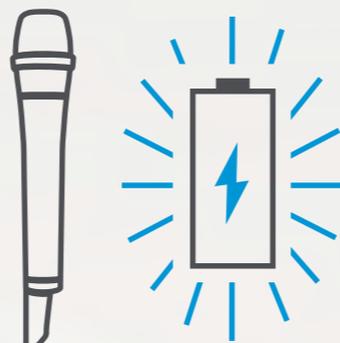
RELIABLE



OPTIMUM SPEECH INTELLIGIBILITY

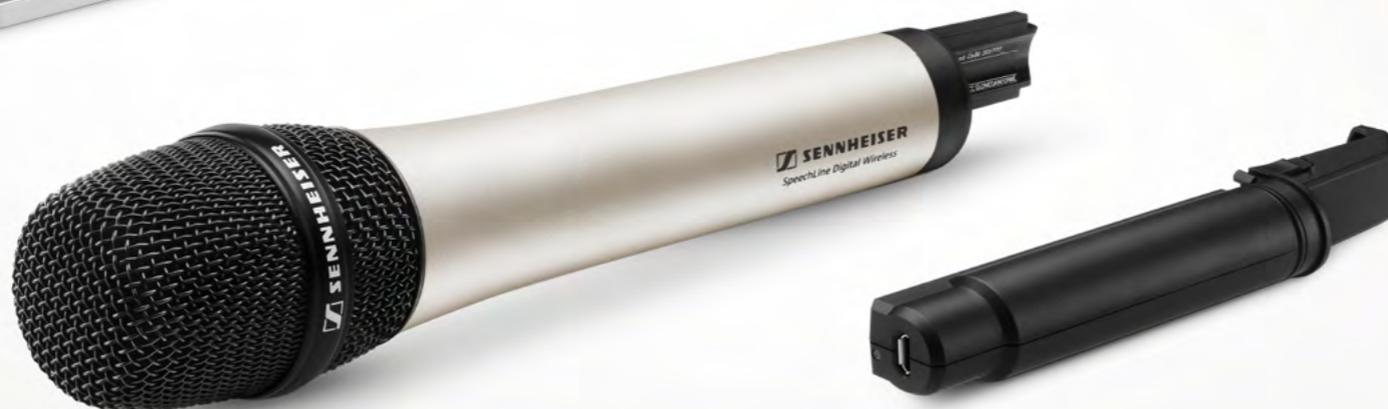
Digital Sound Processing for best speech intelligibility. Preconfigured sound profiles such as male voice or female voice.

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.

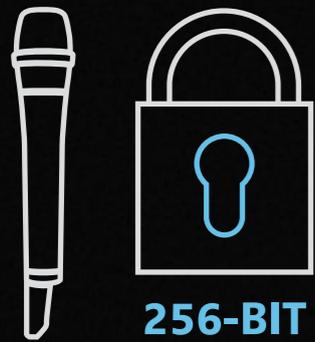


A group of diverse people, including men and women of various ages, are shown in profile, looking towards the right. They are dressed in professional attire, such as suits and blouses. The background is dark, and the lighting is focused on the individuals, creating a professional and attentive atmosphere.

FUTURE-PROOF

SEAMLESSLY INTO THE FUTURE

The professional wireless microphone system for tomorrow and today.



FUTURE-PROOF

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

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.



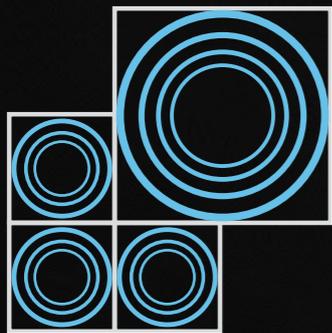
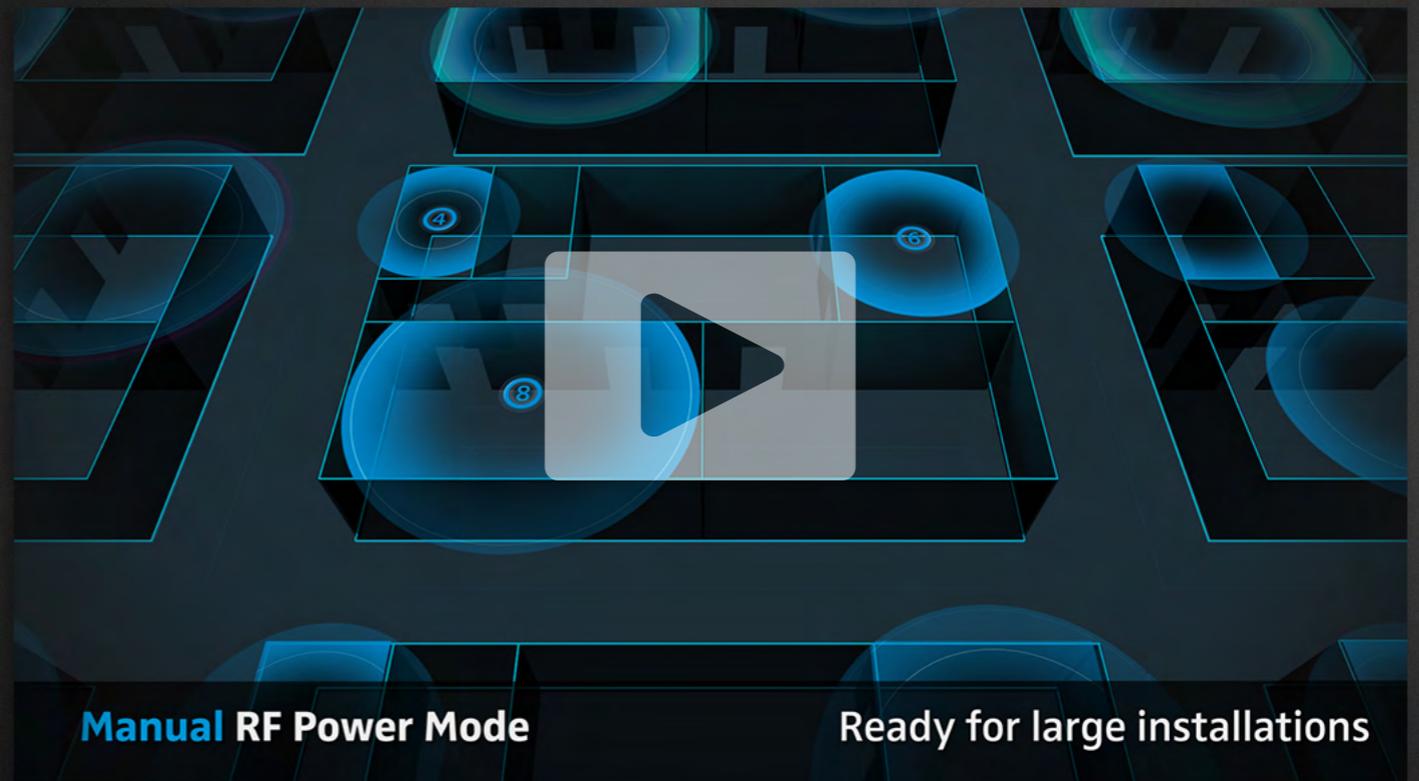
FUTURE-PROOF

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.



FUTURE-PROOF

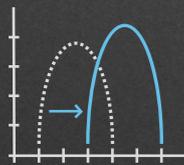


MULTI-ROOM MODE

The adjustable transmission power of SpeechLine Digital Wireless ensures the optimal use of the 1.9 GHz spectrum. This allows the parallel use of systems and makes the setup easily scalable.

SpeechLine Digital Wireless

ALL FEATURES AT A GLANCE



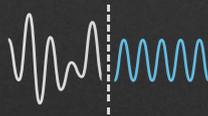
AUTOMATIC FREQUENCY MANAGEMENT

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 automatically and always guarantees superior audio clarity.



LICENSE-FREE

License-free operation, no registration required.



SOFTWARE BASED STATUS MONITORING

Easy monitoring and maintenance via Sennheiser Control Cockpit Software.



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 an available frequency.



MULTICHANNEL OPERATION

Automatic Mode for up to 20 links (dependant on local regulations).



DANTE™ INTERFACE

The SL DI 4 XLR converts your signal and feeds into your Dante™ system.



MULTI-ROOM MODE

Adjustable transmission power for parallel use of multiple systems.

SpeechLine Digital Wireless COMPONENTS

SENNHEISER CONTROL COCKPIT SOFTWARE

Easy monitoring and maintenance
via Software.



SL RACK RECEIVER DW

Reliable core –
The heart of the system



SL CHG 2

Two bay charger
for SpeechLine DW.



SL HEADMIC 1 & MKE 1

Nearly invisible and
easy-to-wear microphones.



SL BODYPACK DW

Your mobile speech enhancer.



SL HANDHELD DW

Intuitive handling, perfect
transmission.





SPEECHLINE DW DANTE™ INTERFACE

The SL DI 4 XLR is a four input Dante™ interface and is part of the SpeechLine DW microphone series. Easily add wireless microphone receivers or add mic/line inputs to a Dante™ system.

SpeechLine DW
Ready for Dante™



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 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	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 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

SL BODYPACK DW



RF output power	adaptive, up to 250 mW (country-specific)
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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 M Ω

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:

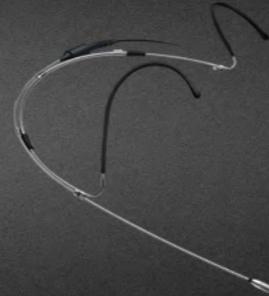


Weight (w/o accupack)

approx. 88 g

* optional accessory

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 CHG 2



Input voltage	12 V 
Input current	max. 1100 mA
DC connection	
Charging voltage	5 V 
Compatible accupacks	Sennheiser BA 10, BA 30
Charging time for full charge at 20 °C	100 % = approx. 160 min = green
Temperature range	Operation: 0 °C to 45 °C (32 °F to 113 °F) Storage: -20 °C to 70 °C (-4 °F to 158 °F)
Relative air humidity, non-condensing	Operation: 25 % to 95 % Storage: 5 % to 95 %
IP protection class according to IEC/EN 60529	IP2X
Dimensions (W x D x H)	175 mm x 135 mm x 93 mm
Weight	approx. 375 g (without power supply unit)

* optional accessory

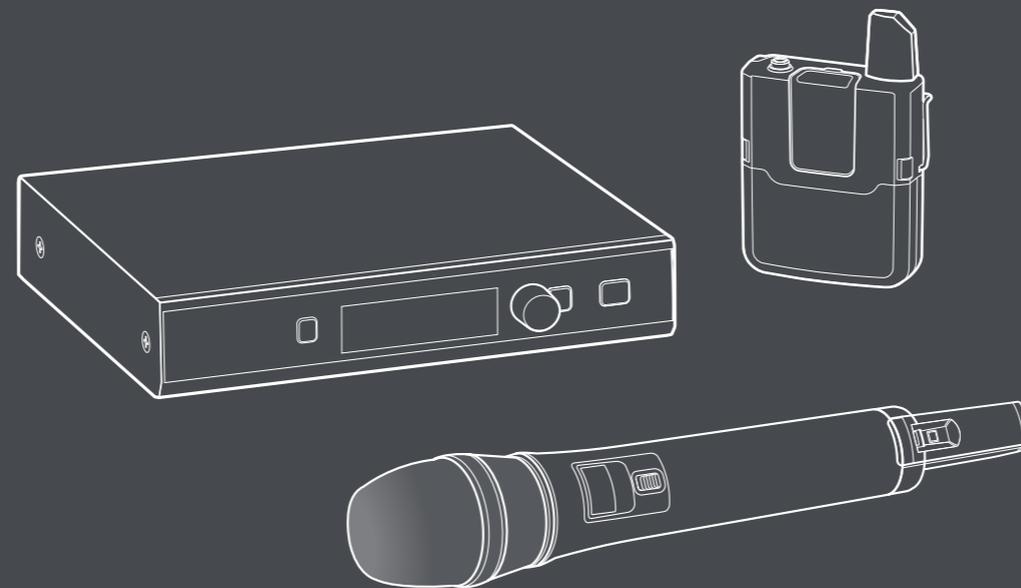
SL DI 4 XLR

 Dante™



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 ewG3 EM 300 MEB 114 MEG 14-40-L ... and others.

* optional accessory



 **SENNHEISER**

Sennheiser electronic GmbH & Co. KG

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

sennheiser.com/speechline-dw