



Sennheiser Business Solutions

# Wireless DECT Headset Solutions

**SENNHEISER**



## Every word matters.

Even in the busiest working environments, clearly understandable conversations are an absolute must for today's business communication. However, perfect speech intelligibility is only one part of enabling you and your listener to stay focused on your tasks. The usability of your device also has a strong impact on your day to day business.

Sennheiser headsets deliver unparalleled sound, and also best-in-class ease of use. Combined with their high-grade design, they make a real difference in business communication.

With the right choice of materials and exceptional craftsmanship, every Sennheiser headset is built to last. Giving you a highly comfortable wearing experience that will improve the quality of your working day and boost your productivity.

# Wireless DECT Headset Solutions



SDW 5000 Series



DW Series



D 10 Series

## Experience the quality of freedom

DECT is a popular standard for wireless voice communication. DECT devices can be used alongside Bluetooth® devices and WiFi due to the different frequency range. Mobility within the office and user density are major advantages of DECT solutions, that lead to improved business efficiency and productivity. In addition, a DECT solution does not interfere with 2.4 GHz WiFi, whereas a Bluetooth® solution does. This means that it is possible to have more users in the same area when a DECT solution is used.

For modern business professionals, the advantages of a wireless headset solution are obvious: They are no longer tied to their desks and conversations on the go keep business moving. Hands-free calling, and the ability to set up ad hoc meetings on the fly can boost job satisfaction while improving a company's overall efficiency.

A Sennheiser DECT solution offers the possibility of connecting to up to three communication devices simultaneously, and a wide range of wearing styles to suit all individual preferences and work situations. Designed for maximum flexibility, comfort and efficiency, they are ideal for fatigue-free, all day use in a wide variety of modern office environments.



# SDW 5000 Series

## Meet the Future Prepared

Designed for modern office professionals, SDW 5000 Series is a professional communication and collaboration hub offering users total flexibility in the office. All your devices connect seamlessly through one single headset system. Super wideband sound gives you a voice experience beyond conventional business standards, while advanced security features keep your conversations confidential.

Enjoy a flexible choice of wearing styles and experience an array of smart features to enable seamless collaboration and communication. Smart headset motion sensor and base station controls deliver easy call management, while a headset busy light helps you to remain undisturbed during calls and conferences.

**Total Flexibility** – a hub for all your people, audio sources and headsets

**Superior Sound** – natural and rich sound with super wideband audio

**Higher Productivity** – busy light and advanced collaboration features

**Enhanced Security** – with Protected Pairing and DECT Security certification

See product video and learn more at [www.sennheiser.com/sdw5000](http://www.sennheiser.com/sdw5000)



### BENEFITS & FEATURES

- **Manage all calls from one headset** with triple connectivity to computer, desk and mobile phone (SDW 5016 variant)
- **Maximum flexibility via the base station** – connect a Sennheiser Bluetooth® headset or a wired headset/speakerphone, according to your needs
- **Perfect customized fit** with the FlexFit™ system, offering 3 wearing style solutions. Choose between headband, ear hook or neckband
- **Super wideband sound** provides crisp and natural sound beyond conventional business standards
- **Exceptional speech intelligibility** with two microphone noise-cancelling system and pioneering voice detection technology
- **Excellent sound** in high density environments with high density wideband mode
- **Hearing protection** from acoustic shock with Sennheiser ActiveGard® technology
- **Optimized for major UC brands and certified for Skype for Business**
- **Undisturbed calls** with a busy light on the headset. A busy light indicator for the desk is available as an accessory
- **Easy configuration and management** for IT managers with Sennheiser HeadSetup™ Pro Manager
- **Enhanced security** with Protected Pairing, 128 bit authentication and DECT Security certification to keep all conversations confidential
- **Long distance wireless range** – up to 180 m/ 590 ft with line of sight
- **Hot desking** with fast, secure headset pairing
- **Phone conferences** – easy setup of up to 4 SDW 5000 headsets with the same base station
- **Fast charging** with 50 % battery in just 30 minutes
- **Full workday of talk time** – up to 10 hours' with narrowband audio





## Comparison Overview SDW 5000 Series



SDW 5016



SDW 5015

Art. No.		
EU	507014	506590
UK	507015	506591
US	507016	506592
AUS	507017	506593
JP	N/A	507272
<b>Wearing style</b>		
Single-sided headset	•	•
Double-sided headset		
Headband	•	•
Neckband	•	•
Leatherette ear hook	•	•
Leatherette ear pad	•	•
<b>Connectivity</b>		
Desk Phone	•	•
Softphone/PC	•	•
Mobile phone	•	[•]
Tablet	•	[•]
Multi device connectivity*	•	•
USB or Bluetooth headset/speakerphone	•	•
<b>Microphone</b>		
Two microphone noise-cancelling system	•	•
<b>Features and technologies</b>		
Super wideband sound	•	•
High density wideband mode	•	•
Headset busy light	•	•
Busy light for the desk	[[•]]	[[•]]
ActiveGard® Technology	•	•
Noise at Work, (EU directive)**	•	•
DECT Security	•	•
Protected Pairing	•	•
<b>Unified Communications</b>		
Optimized for UC	•	•
Certified for Skype for Business	•	•

(•) Mobile connectivity available via optional BT-D 800 dongle accessory

([[•]]) Option available with additional accessory

\* Connects up to two devices at the same time

\*\* In compliance with EU/AUS Noise at Work legislation. EU Noise at Work Directive (Directive 2003/10/EC)

# DW Series

When business demands the best performance

The DW Series of DECT wireless headsets has been designed to provide the ultimate in sound, quality and iconic design to demanding business users. With a wide choice of supremely comfortable wearing styles, professional users can choose their headset according to their personal needs.

See product video and learn more at [www.sennheiser.com/dw](http://www.sennheiser.com/dw)



## BENEFITS & FEATURES

- **Natural listening experience**  
With Sennheiser Voice Clarity
- **Perfect speech clarity**  
Noise-cancelling microphone (DW Office variants)  
Ultra noise-cancelling microphone (DW Pro variants)
- **Dual-connectivity**  
Connects to both desk phone and softphone/PC
- **Premium looks and performance**  
Iconic design combined with functionality
- **Wide choice of wearing styles**  
With extra soft ear pad(s)
- **All day comfort**  
Lightweight headset design
- **Intuitive user interface**  
With answer/end\*, microphone mute and volume +/-
- **Full workday of talk time**  
8 hours' wideband and 12 hours' narrowband
- **Intelligent fast charging**  
Delivers 50% battery in just 20 minutes
- **No WiFi network interference**  
DECT protected frequency band enabling a greater number of headset users
- **Secure conversation**  
Efficient encryption
- **Long distance wireless range**  
Up to 180 m / 590 ft with line of sight and 55 m / 180 ft in typical office environment
- **Hot desking**  
Fast, secure pairing – simply dock in the base station
- **Phone conferences**  
Intuitive and easy setup of up to 4 headsets with the same base station
- **Acoustic shock protection**  
ActiveGard® technology protects users against acoustic injury caused by sudden sound burst on the line

\* Answer/end call requires EHS cable for desk phone and Sennheiser software for certain softphones.





## Comparison Overview

### DW Series



Art. No.	DW Office	DW Pro 1	DW Pro 2	DW Office ML	DW Pro 1 ML	DW Pro 2 ML
EU	504300	504304	504308	504454	504458	504462
UK	504301	504305	504309	504456	504460	504464
US	504302	504306	504310	504455	504459	504463
AUS	504303	504307	504311	504457	504461	504465

#### Wearing style

Single-sided headset	•	•		•	•	
Double-sided headset			•			•
Leatherette ear hook	•			•		
Leatherette ear pad	•			•		
Extra soft leatherette ear pad		•	•		•	•
Headband	•	•	•	•	•	•
Neckband	[•]			[•]		

#### Connectivity\*

Desk phone	•	•	•	•	•	•
Softphone/PC	•	•	•	•	•	•

#### Microphone

Noise-cancelling	•			•		
Ultra noise-cancelling		•	•		•	•
Bendable and long boom arm		•	•		•	•

#### Features and technologies

ActiveGard® Technology	•	•	•	•	•	•
Noise at Work, EU limiter**	•	•	•	•	•	•

#### Unified Communications

Optimized for UC	•	•	•			
Skype for Business certified				•	•	•

[•] Neckband available as accessory (Art. no. 506525)

\*Product variant also available with single-connectivity (desk phone or softphone only)

\*\*In compliance with EU Noise at Work legislation. EU Noise at Work Directive (Directive 2003/10/EC)

# D 10 Series

Streamlined design  
uncompromising sound

The streamlined design of the D 10 wireless DECT headsets makes no compromises when it comes to exceptional sound. With single connectivity to either a desk phone or softphone/PC, it's simple to roll out and manage. The perfect headset solution for all sizes of companies, the D 10 series brings wireless freedom within reach of even more everyday users.

Learn more at  
[www.sennheiser.com/d10](http://www.sennheiser.com/d10)



## BENEFITS & FEATURES

- **Natural listening experience**  
With Sennheiser Voice Clarity
- **Perfect speech transmission**  
Noise-cancelling microphone
- **Single-connectivity**  
Connects to either desk phone or softphone/PC
- **Secure base station**  
Solid metal plate for stability
- **Keeps your desk tidy**  
Built-in cable management
- **Secure placement**  
Magnetic charge interface when charging
- **Talk time availability**  
Shown via status indicators
- **3 types of wearing styles**  
Choose between headband, ear hook or neckband
- **Full workday of talk time**  
With energy saving DECT technology
- **Fast charging**  
Delivers 50% battery in just 20 minutes
- **Long reach**  
Up to 55 m / 180 ft range in typical office environment Up to 180 m / 590 ft with line of sight
- **Convenient phone conferencing**  
Up to 4 headsets per call and simple hot desking
- **One-touch call management\***  
Answer/end, vol. +/-, mute for control on the go
- **Acoustic shock protection**  
ActiveGard® technology protects users against acoustic injury caused by sudden sound bursts on the line

\* Answer/end call require EHS cable for desk phone.

## Comparison Overview D 10 Series



D 10 PHONE



D 10 USB



D 10 USB ML

Art. No.			
EU	506408	506412	506416
UK	506409	N/A	N/A
US	506410	506414	506418
AUS	506411	506415	506419
<b>Wearing style</b>			
Single-sided headset	●	●	●
Headband	●	●	●
Ear hook	●	●	●
Neckband	[●]	[●]	[●]
<b>Connectivity</b>			
Desk phone	●		
Softphone/PC		●	●
<b>Microphone</b>			
Noise-cancelling	●	●	●
<b>Features and technologies</b>			
Noise at Work, EU limiter**	●	●	●
ActiveGard® technology	●	●	●
<b>Unified Communications</b>			
Optimized for UC		●	
Certified for Skype for Business			●

[●] Neckband available as accessory (Art. no. 506525). Click-on adapter from HSA 20 accessory set (Art. no. 506524) needed for mounting

\*\* In compliance with EU Noise at Work legislation. EU Noise at Work Directive (Directive 2003/10/EC)



MEDIUM

HIGH



## Headset Comparison Guide

### DECT Headsets

● = Yes

[●] = Option available with additional accessories

	SDW 5016	SDW 5015	DW Office	DW Office ML	DW Office PHONE	DW Office USB	DW Office USB ML	DW Pro 1	DW Pro 1 ML	DW Pro 1 PHONE	DW Pro 1 USB	DW Pro 1 USB ML	DW Pro 2	DW Pro 2 ML	DW Pro 2 PHONE	DW Pro 2 USB	DW Pro 2 USB ML	D 10 Phone	D 10 USB	D 10 USB ML
<b>Environments</b>																				
Low noise																				
Medium noise	●	●	●	●	●	●	●											●	●	●
High noise	●	●						●	●	●	●	●	●	●	●	●	●			
<b>Connectivity</b>																				
Desk phone	●	●	●	●	●			●	●	●			●	●	●			●		
Softphone/PC	●	●	●	●		●	●	●	●		●	●	●	●		●	●		●	●
Mobile phone	●	[●]																		
Tablet	●	[●]																		
Multi device connectivity*	●	●																		
USB or Bluetooth headset/speakerphone	●	●																		
<b>Features</b>																				
Wireless	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Conferencing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Call merging	●	●																		
ActiveGard® Technology	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Noise At Work (EC directive)**	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Noise-cancelling microphone			●	●	●	●	●											●	●	●
Ultra noise-cancelling microphone								●	●	●	●	●	●	●	●	●	●			
Two mic. noise-cancelling system	●	●																		
Bendable and long boom arm								●	●	●	●	●	●	●	●	●	●			
Wideband sound	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
High density wideband mode	●	●																		
Super wideband sound	●	●																		
Advanced Own-Voice Detector	●	●																		
Headset busy light	●	●																		
Busy light for the desk	[●]	[●]																		
Protected Pairing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DECT Security	●	●																		
Software upgrade support	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Wearing style</b>																				
Single-sided headset	●	●	●	●	●	●	●	●	●	●	●	●						●	●	●
Double-sided headset													●	●	●	●	●			
Ear hook	●	●	●	●	●	●	●											●	●	●
Headband	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Neckband	●	●	[●]	[●]	[●]	[●]	[●]											[●]	[●]	[●]
<b>Unified Communications</b>																				
Optimized for UC	●	●	●		●		●			●	●				●				●	
Certified for Skype for Business	●	●	●			●		●			●	●				●				●

\* Connects up to two devices at the same time

\*\* In compliance with EU/AUS Noise at Work legislation. EU Noise at Work Directive (Directive 2003/10/EC)





# Technologies and Services

We've got you covered

# Voice Clarity technology



## The natural listening experience

For the best possible communication between caller and listener, Sennheiser Voice Clarity uniquely enhances the most important frequencies and details of the human voice. For the caller, sound is crisper and clearer, allowing them to hear the nuances contained in spoken conversation; for the listener, a noise-cancelling microphone sends the clearest signal to improve speech intelligibility. In combination this results in better, more natural sounding conversations where no important details are lost.

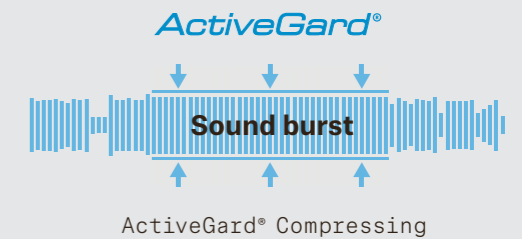


Play sound without Voice Clarity



Play sound with Voice Clarity

# ActiveGard® technology



## Hearing protection

During the course of a day, headset users may be exposed to seldom, but hazardous incoming noises that can be dangerous to their hearing. Technically referred to as a sound burst, this can potentially cause long-lasting damage to the human ear. To safeguard users, all Sennheiser headsets for contact center and office environments are equipped with innovative ActiveGard® technology.

Please be warned that the sound without ActiveGard® can be extremely high. We recommend the volume should be set low when playing.



Play sound without ActiveGard®



Play sound with ActiveGard®

## Super wideband audio technology



Play sound with super wideband audio



Play sound with wideband audio



Play sound with narrowband audio

## Hear between the lines

In our ongoing quest for an even better user listening experience, Sennheiser offers next generation sound quality with super wideband audio. The human ear has a range of 20 Hz up to 20 kHz and as super wideband audio technology operates in the extended frequency from 100 Hz all the way up to 11.5 kHz, it provides outstanding sound quality.

The way in which you hear the inflection, pace and volume of a caller's conversation depends very much on the quality of the sound your headset delivers.

With super wideband sound, you get a more natural experience, where subtle details in tone encourage a fuller understanding. Your voice is crisper and clearer, allowing callers to hear the nuances of your conversation and improve intelligibility. Basically, you get a better, more natural sounding conversation where no important details are lost.



Frequency ranges in call mode

## Cutting edge microphone technology



Play sound with SDW 5000 Series (Two mic. system)



Play sound with DECT headset (One mic.)

## Exceptional speech clarity

Sennheiser sets a new standard in DECT headsets and microphone technology with the SDW 5000 Series. SDW 5000 Series' headsets include two digital microphones that work together to reduce background noise and optimize voice transmission.

One microphone focuses on reducing and filtering background noise in the surrounding environment, while the second microphone focuses on the speaker's voice to send the clearest signal to the

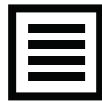
listener. By choosing the best combination of the two microphones' input and processing the sound, the most optimal and clear sound is transmitted to the listener.

Thanks to the improved sound quality, your voice gets through to the caller more clearly, which means more efficient conversations, fewer misunderstandings and less fatigue from trying to decipher what's being said.

# Sennheiser HeadSetup™ Pro Manager

## Keep in touch with your business

Save valuable time on unnecessary tasks and make life simpler and smarter for your IT department, your business and your colleagues. By keeping you in touch with your Sennheiser devices, Sennheiser HeadSetup™ Pro Manager puts you in control of three key areas:



### Asset Management

#### Find out who, what, where, when – from wherever

From one location you get full visibility of all Sennheiser headsets and speakerphones deployed in your organization.

Get a perfect overview of both active and inactive devices as well as non-Sennheiser devices to identify who is registered as the owner of an audio device and who is using it. By tracking who has which kind of headset or speakerphone – and how and when they are being used – you can easily re-allocate unused headsets elsewhere in the organization – in order to manage your resources effectively and improve productivity.

With the report function, it is possible to extract reports on device usage and firmware compliance to get full control of your inventory and gain insights into the company's UC environment.



### Update Management

#### Smart, easy and convenient

A flexible and cost effective way to get the latest firmware updates to all your organization's Sennheiser devices, whenever it's convenient for you and your end-users.

Push new updates to an unlimited number of devices across your organization from one simple dashboard. Schedule your automated updates to cause minimum downtime and disruption for your company's workflow.



### Configuration Management

#### One tool puts you in control

The centralized configuration option allows all settings to be controlled from the IT department, ensuring that headset users experience a simple plug and play solution.

You can centrally push configurations or lock specific specifications on Sennheiser devices to comply with regulatory compliance settings for specific groups or individuals.



## Sennheiser HeadSetup™ Pro Manager for IT administrators

Sennheiser HeadSetup™ Pro Manager has been developed for companies with a need to control their UC environment in a fast and secure way. By installing the client application, Sennheiser HeadSetup™ Pro, on your end-users' PCs, you gain a complete overview of all deployed devices and access to new updates and settings.

For companies with more locations, it's possible to manage, update and control settings for all end-users in the entire organization. For improved security, all communication and data are encrypted and no sensitive data is stored.

The resulting simplification of the asset, update and configuration management gives great savings in both time and money.

## Sennheiser HeadSetup™ Pro for headset users

Sennheiser HeadSetup™ Pro is the client application running in the background on the headset users' PC. The solution ensures that Sennheiser headsets and speakerphones work seamlessly with various leading softphones and give you access to latest firmware updates and personalized settings.

Sennheiser HeadSetup™ Pro is uniquely configured to either work together with a signed-up company account on Sennheiser Sennheiser HeadSetup™ Pro Manager or as a stand-alone application for smaller companies or personal use.

Sennheiser HeadSetup™ Pro is designed to be simple to use, allowing Sennheiser headset and speakerphone users to enhance their experience and productivity simply and quickly.

For more information or to sign up for a free trial, please visit [www.sennheiser.com/headsetup-pro-manager](http://www.sennheiser.com/headsetup-pro-manager)



## Service and Support

We've got you covered

Sennheiser Global Service and Support aims at providing a premium customer experience to all our customers across the world. With a standardized support process across all channels, we can guarantee a uniform, consistent, structured and high quality handling for all support requests, from either end user, resellers, distributors, country partners or subsidiaries, throughout the world.

Visit our Support Portal here:  
[www.sennheiser.com/support-me](http://www.sennheiser.com/support-me)

E-mail:  
[help@senncom.com](mailto:help@senncom.com)

Phone:  
Find your local support  
phone number and opening hours here:  
[www.sennheiser.com/call-us](http://www.sennheiser.com/call-us)

## Experience Sennheiser

Try our headsets first hand

The Sennheiser professional trial program gives you the opportunity to test and experience our range of headsets and speakerphones before you decide on the best choice for your office, contact center or Unified Communication solution.

[www.sennheiser.com/try](http://www.sennheiser.com/try)



# Icons

## Use case



**Desk**  
When you are not required to answer calls away from your workstation.



**Office**  
When you need to be able to handle calls while away from your desk – although you probably spend most of your time at your workstation.



**Field**  
When you're on the road, with no dedicated office desk and find yourself hot-desking on your travels.

## Device/Connectivity



**Softphone/PC**  
Connection via USB cable or USB dongle (Bluetooth®) to Microsoft Windows or Apple Mac OS



**Desk phone**  
Connection via multiple types of cables



**Mobile phone**  
Connection via Bluetooth® or 3.5 mm jack cable



**Tablet**  
Connection via Bluetooth®, 3.5 mm jack cable or USB depending on tablet.

## Workplace environment



**Low noise environment**  
Omni-directional microphone



**Medium noise environment**  
Noise-cancelling microphone



**High noise environment**  
Ultra noise-cancelling microphone

## Wearing style



**Single-sided**  
Ideal for situations where you need to both hear your caller clearly, and pay attention to what's going on around you.



**Double-sided**  
Delivers calls in quality sound while reducing background noise – ideal for contact centers, where you need to focus solely on your caller.

## Unified Communications



**UC optimized**  
Products with this icon are optimized for major UC and softphone brands.



**Certified for Skype for Business**  
Products with this icon are certified for Skype for Business.

# Choose the right headset

You need your device to work seamlessly with your headset. It's that simple. Sennheiser headsets are designed to cover every possibility.

Check our headset compatibility guide at:  
[www.sennheiser.com/headsetcompatibility](http://www.sennheiser.com/headsetcompatibility)



# Glossary

## Sound Quality

**Sennheiser Voice Clarity** uniquely enhances the most important frequencies and details of the human voice. For you, sound is crisper and clearer, allowing you to hear the nuances contained in spoken conversation – and for your listener, a noise-cancelling microphone sends the clearest signal to improve intelligibility. In combination, this results in better, more natural sounding conversations where no important details are lost.

**Advanced Own-Voice-Detector** Sennheiser's Advanced Own-Voice-Detector continuously monitors the environment to determine whether the user's own voice is present or not. When detected, the state-of-the-art system reacts immediately to provide optimal speech intelligibility while at the same time reducing disturbing background noise.

**Super wideband audio technology** operates in the extended frequency region from 100 Hz all the way up to 11.5 kHz. Because the human ear has a range that goes from 20 Hz up to 20 kHz, super wideband allows you to hear a more natural, rich sound, where subtle details encourage a fuller understanding of the spoken word. The SDW 500 Series offers super wideband sound, letting you experience a voice quality beyond conventional business standards. To be able to use super wideband, all components of the communication line must support this standard (including end point and network infrastructure).

**Wideband audio technology** operates in the frequency range of 150–6800 Hz and offers higher quality speech transmission than narrowband. To be able to use wideband, all components of the communication line must support this standard (PPX, mobile network operator etc.).

**Narrowband audio technology** operates in the 300–3400 Hz frequency. As many traditional desk phones only support these narrowband frequencies, we also have a range of narrowband headsets, which deliver the best performance available from this standard.

**High density wideband mode** is a wideband mode designed for communication in high density environments and provides excellent sound for more users.

**Noise-cancellation technology** is in some products incorporated in our microphones to reduce background noise, filter out disturbing ambient noise and enable crystal clear telephone conversations. On other models in our range we offer more advanced microphone systems, which include more than one microphone and advanced digital sound processing to improve voice transmission in particularly noisy environments.

## Hearing Protection

**ActiveGard® hearing protection technology** protects users from the potential danger of acoustic injury from unexpected and sudden sound bursts on the line. ActiveGard® is like a fast-acting intelligent volume control. If an incoming signal rises to a level that is harmful to your hearing, it is instantly reduced to a lower, and more comfortable level. When the sound level returns to normal, the volume returns to the original level.

## Noise at Work Limiter

### Directive 2003/10/EC

The objective of this Directive is to lay down minimum requirements for the protection of workers from risks to their health and safety arising or likely to arise from exposure to noise and in particular the risk to hearing. The Directive defines the physical parameters that serve as risk predictors, such as peak sound pressure, daily noise exposure level and weekly noise exposure level. It sets exposure limit values and exposure action values in respect to the daily and weekly noise exposure level as well as peak sound pressure. The exposure action value is fixed at 80 decibels (lower value) and 85 decibels (upper value). Source: [www.osha.europa.eu/en/legislation/directives/82](http://www.osha.europa.eu/en/legislation/directives/82)

## Unified Communications

**UC Optimized** means that headsets and speakerphones are compatible with major Unified Communications platforms and softphone brands. Unified Communications brings together a company's voice, text and video based communication under one unified solution. The advantages of a Unified Communications solution include enhanced overall efficiency of a business through increased productivity and mobility, resulting in a positive return on investment.

## Wireless Technologies

**Bluetooth® technology** is a global radio transmission standard, which supports the application of a wide range of wireless electronic devices. The technology connects devices over a distance of up to 100 meters in line of sight, depending on the Bluetooth® class and device.

**DECT** is an abbreviation for “Digital Enhanced Cordless Telecommunications”, a digital transmission standard for wireless telephony. DECT is primarily used for wireless voice transmission in office and contact center environments. DECT provides a cleaner, more stable sound and does not interfere with nearby WiFi devices. In addition DECT protects voice calls with highly secured DECT authentication and encryption. Sennheiser's Wireless DECT Headsets Solutions have a range up to 55 m (180 ft) in typical office environments and up to 180 m (590 ft) with line of sight.

**DECT vs Bluetooth®** – One of the chief advantages of a DECT solution is that it doesn't interfere with 2.4 GHz WiFi, whereas a Bluetooth® solution uses the same frequency as WiFi. This means that it is possible to have more users in the same area when a DECT solution is used. On the other hand, a Bluetooth® headset gives more mobility as it can connect directly with the user's mobile phone. This gives the user the advantage of being able to use it both in the office and on the go.

DECT	
Frequency	EU/Asia-Pacific: 1.8 GHz US/Canada: 1.9 GHz
Range	Typical office environment: 55 m/180 ft Line of sight: 180 m/590 ft
Connectivity	Desk phone and/or PC via bottom cables to base station
Bluetooth®	
Frequency	2.4 GHz
Range	Typical office environment: Up to 25 m/82 ft* Line of sight: Up to 100 m/328 ft
Connectivity	Mobile phone, tablet and/or PC (via dongle)
* device dependent	

## Security

**Protected Pairing** Sennheiser's DECT headset series have a Protected Pairing feature (patent pending) ensuring a very high degree of security. Rather than transferring pairing data 'over the air', the charging interfaces on the base station are used for data communication. This means that a Sennheiser DECT headset needs to be physically docked into a Sennheiser base station for registration and security bindings to be established. This makes it virtually impossible for a third party to 'sniff' or intercept the pairing data from a remote location.





# The Future of Audio