











ZERENA 9

| | |
|---|--|
|  | Continuous Environment Detection DECS™ Dynamic Speech Processing™ (DSP™) ChannelFree™ Speech Cue Priority™ DECS™ Dynamic Amplification Control™ (DAC™) Speech/Comfort Preference Frequency Composition™ Frequency Bandwidth 10 kHz 16 Fitting Bands |
|  | Continuous Environment Detection DECS™ Dynamic Noise Management™ (DNM™) Dynamic Directionality Transition Level High/Medium Focus Fixed Dir Fixed Omni True Directionality™ |
|  | Continuous Environment Detection DECS™ Dynamic Noise Management™ (DNM™) Dynamic Noise Reduction Dynamic Range Extender Binaural Noise Management AFC Plus Transient Noise Reduction Wind Noise Manager |
|  | Binaural Coordination RC-A EasyControl-A app iPhone Mic TV-A Adapter Made for iPhone® * |
|  | Tinnitus SoundSupport Adaptation Manager Comfort in Airplane Live Music and Cinema Programs Sound Optimizer |






BEST

ZERENA 7

| | |
|---|---|
|  | Continuous Environment Detection DECS™ Dynamic Speech Processing™ (DSP™) ChannelFree™ Speech Cue Priority™ DECS™ Dynamic Amplification Control™ (DAC™) Speech/Comfort Preference Frequency Composition™ Frequency Bandwidth 8 kHz 14 Fitting Bands |
|  | Continuous Environment Detection DECS™ Dynamic Noise Management™ (DNM™) Dynamic Directionality Transition Level Fixed Dir Fixed Omni |
|  | Continuous Environment Detection DECS™ Dynamic Noise Management™ (DNM™) Dynamic Noise Reduction Dynamic Range Extender Binaural Noise Management AFC Plus Transient Noise Reduction Wind Noise Manager |
|  | Binaural Coordination RC-A EasyControl-A app iPhone Mic TV-A Adapter Made for iPhone® * |
|  | Tinnitus SoundSupport Adaptation Manager Live Music and Cinema Programs Sound Optimizer |

BETTER






ZERENA 5

| | |
|---|---|
|  | Continuous Environment Detection DECS™ Dynamic Speech Processing™ (DSP™) ChannelFree™ Speech Cue Priority™ DECS™ Dynamic Amplification Control™ (DAC™) Speech Preference Frequency Composition™ Frequency Bandwidth 8 kHz 12 Fitting Bands |
|  | Continuous Environment Detection DECS™ Dynamic Noise Management™ (DNM™) Dynamic Directionality Transition Level Fixed Dir Fixed Omni |
|  | Continuous Environment Detection DECS™ Dynamic Noise Management™ (DNM™) Dynamic Noise Reduction Dynamic Range Extender AFC Plus Transient Noise Reduction Wind Noise Manager |
|  | Binaural Coordination RC-A EasyControl-A app iPhone Mic TV-A Adapter Made for iPhone® * |
|  | Tinnitus SoundSupport Adaptation Manager Live Music and Cinema Programs Sound Optimizer |

GOOD



SAPHIRA 5

| | |
|---|---|
|  | ChannelFree™ Speech Cue Priority™ Frequency Composition™ Frequency Bandwidth 8 kHz 9 Fitting Bands |
|  | Adaptive Directionality Fixed Dir Fixed Omni |
|  | ANR Plus AFC Plus Transient Noise Reduction Wind Noise Manager |
|  | Binaural Coordination RC-N SoundGate 3 SoundGate app SoundGate Mic TV Adapter 2 Phone Adapter 2 |
|  | Live Music and Cinema Programs |

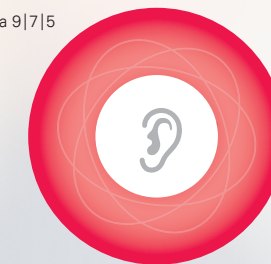
GOOD

THE NEW DYNAMICS OF HEARING

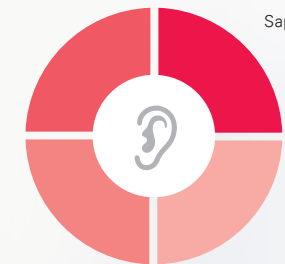
Real-life environments can be very dynamic, making it difficult for a traditional system to accurately adapt to listening situations. Today's environment classification systems use arbitrary limits to determine the amplification when a specific environment is detected. The resulting amplification decisions are made based on information that has already elapsed. A system that stays in sync with the changes in the environment is the ideal solution. That solution is Bernafon's **Dynamic Environment Control System™** or **DECS™**.

DECS™ marks a quantum leap from adaptive to dynamic hearing aid behavior. Bernafon's proprietary technology is based on a continuous analysis of the acoustic sound scene resulting in seamless response to active and fast-changing environments.





Zerena 9|7|5



Saphira 5|3
Nevara 1







SAPHIRA 3

| | |
|---|---|
|  | ChannelFree™ Speech Cue Priority™ Frequency Composition™ Frequency Bandwidth 8 kHz 9 Fitting Bands |
|  | Adaptive Directionality Fixed Dir Fixed Omni |
|  | ANR Plus AFC Plus Wind Noise Manager |
|  | Binaural Coordination RC-N SoundGate 3 SoundGate app SoundGate Mic TV Adapter 2 Phone Adapter 2 |

BASIC


NEVARA 1


| | |
|---|---|
|  | ChannelFree™ Speech Cue Priority™ Frequency Bandwidth 8 kHz 9 Fitting Bands |
|  | Automatic Directionality Fixed Dir Fixed Omni |
|  | ANR Plus AFC Plus |
|  | Binaural Coordination RC-N SoundGate 3 SoundGate app SoundGate Mic TV Adapter 2 Phone Adapter 2 |


ENTRY

 Sound

 Speech

 Hearing comfort

 Operating comfort

 Individualization

*For information on compatibility, please visit www.bernafon.com/products/accessories.





bernafon
Your hearing • Our passion



FEATURES AT A GLANCE

| | | |
|---|---|---|
|  | DECS™ Dynamic Speech Processing™ (DSP™) ChannelFree™, Speech Cue Priority™ | DSP™ is the signal processing component of DECS™. It combines ChannelFree™ with DAC™ and incorporates Speech Cue Priority™. With DSP™, clients receive continuously corrected output to keep up with dynamic environments. |
| | DECS™ Dynamic Amplification Control™ (DAC™) Speech/Comfort Preference | Based on information provided continuously from the environment, DAC™ transfers information to the DSP™ to ensure that the correct amount of compression and gain are added to the signal. |
| | ChannelFree™ | Adjusts the gain 20,000 times per second over the entire frequency range and amplifies each phoneme individually. The result is a clear and natural sound as well as optimized speech comprehension. |
| | Speech Cue Priority™ | Selects the signal processing style to match different auditory resolutions and strives for maximum speech comprehension for your clients. |
| | Frequency Composition™/ Frequency Composition™ ^{nt} | Makes high-frequency information available at lower-frequency regions for those who cannot process the high-frequency information. |
| | Frequency Bandwidth (kHz) | Provides a natural hearing experience across all frequencies. |
|  | DECS™ Dynamic Noise Management™ (DNM™) Dynamic Directionality, Transition Level | Based on information provided continuously from the environment, DNM™ determines the configuration of the directionality and noise reduction instantaneously to optimize speech understanding in noise. |
| | Fixed Dir | This mode offers maximum directionality over the entire frequency range of the hearing aid. For hearing situations with permanent noise across all frequencies. |
| | Fixed Omni | In this mode, the hearing system amplifies sound from all directions and angles. Suitable for quiet environments. |
| | True Directionality™ | A directional microphone system that imitates the natural function of the pinna. Enhances the natural hearing experience as well as speech understanding. |
| | Adaptive Directionality | The microphone system reduces noise from different disturbing sound sources. Supports the client to understand in complex listening situations. |
| | Automatic Directionality | The microphone system automatically switches between directional and omnidirectional mode. Ensures easier understanding in difficult listening situations. |
|  | DECS™ Dynamic Noise Management™ (DNM™) Dynamic Noise Reduction | Works binaurally and combines highly sensitive directionality with ultrafast noise suppression. Both systems interact and process the signal in parallel and reduce noise, without adversely affecting speech. |
| | Binaural Noise Management | Applies noise reduction to each ear independently when noise is louder on one side than the other. Clients will benefit from noise being reduced on one side while speech is still amplified appropriately from the other side. |
| | ANR Plus | Efficiently reduces steady state noises such as noise from the vacuum cleaner or refrigerator. Maximizes the listening comfort, while maintaining the important sounds of speech. |
| | AFC Plus | Surpresses feedback before it becomes audible in all situations. |
| | Transient Noise Reduction | Reduces loud, sudden sounds such as unwanted noise from dishwashers, rustling newspapers, etc. Reduces the chances of being startled and ensures relaxed listening in any environment. |
| | Wind Noise Manager | Detects and suppresses wind noise. Increases comfort in windy situations. |
| | Dynamic Range Extender | Provides clear, undistorted sound even in louder environments of up to 113 dB. |
|  | Binaural Coordination | Continuous adjustment of both hearing aids with regards to volume, program selection, and mute function. Convenient handling, since manual changes are automatically transmitted to the second hearing aid. |
| | RC-A/RC-N | The remote control RC-N makes it easy to adjust the volume or change the program. The RC-A uses 2.4 GHz technology and can be easily coupled with the hearing aids without any software. |
| | SoundGate 3 | Enables wireless communication of hearing aids with Bluetooth® enabled devices such as smartphones, navigation devices,TV and many others. |
| | SoundGate Mic | The SoundGate Mic sends speech directly into the hearing aids via SoundGate. Direct communication in noisy environments or conversations over a longer distance are thereby possible. |
| | iPhone Mic | With the iPhone® microphone program enabled, the iPhone can be used as a conference or remote microphone. With iPhone Mic, the speech signals are transmitted directly to the hearing aids.* |
| | TV-A Adapter/TV Adapter 2 | The TV Adapter 2 transmits TV signals via SoundGate wirelessly into the hearing aids. The TV-A supports Dolby Digital Stereo and streams the TV signal directly into the Zerena hearing aids without any intermediate device. TV sound can be transmitted to several Zerena devices at the same time. |
| | Phone Adapter 2 | The phone adapter transmits telephone calls via SoundGate wirelessly and directly into the hearing aids. |
| | Made for iPhone® | Enables direct communication and control with iPhone®, iPad® or iPod® touch and supports Bluetooth® Low Energy (BLE) with 2.4 GHz technology.* |
|  | Tinnitus SoundSupport | Two-in-one hearing and tinnitus device with multiple tinnitus relief sounds. It can be easily activated and customized. |
| | Adaptation Manager | Helps clients to get accustomed to their new hearing aids at their own pace. Adaptation Manager increases the gain automatically based on the rate that best fits each client. |
| | Comfort in Airplane | Adjusts the noise reduction and directionality settings to reduce the noise in airplanes and make the journey more comfortable. |
| | Live Music and Cinema Programs | Preserves the wide dynamic range and makes music and movies sound natural and alive again. |
| | Sound Optimizer | Provides assistance in setting the optimal sound for audio streaming. |

BTE COLOR OPTIONS

ZERENA miniRITE, miniRITE T, BTE 105 (miniRITE shown below)





JET
BLACK

COCOA
BROWN

METALLIC
ANTHRACITE

METALLIC
SILVER

SAND
BEIGE

ANTIQUE
BRONZE

METALLIC
ANTHRACITE

METALLIC
SILVER


SAND
BEIGE

Base shell
SILVER

Base shell
METALLIC ANTHRACITE

SAPHIRA PR, NR, N, CP, CPx, P (Pico RITE shown below)

(Power shown below)





BEIGE

DARK
BROWN

GRAY
BROWN

GRAY

METALLIC
ANTHRACITE

SAND
BEIGE

METALLIC
SILVER

ANTIQUE
BRONZE

METALLIC
ANTHRACITE

SAND
BEIGE

Base shell
GRAPHITE

Base shell
METALLIC ANTHRACITE

METALLIC
SILVER

NEVARA PR, NR, N, CPx, P (Pico RITE shown below)

(Power shown below)





BEIGE

DARK
BROWN

GRAY
BROWN

GRAY

METALLIC
ANTHRACITE

SAND
BEIGE

METALLIC
SILVER

ANTIQUE
BRONZE






METALLIC
ANTHRACITE

SAND
BEIGE

Base shell
GRAPHITE

Base shell
METALLIC ANTHRACITE

METALLIC
SILVER

-  Sound
-  Speech
-  Hearing comfort
-  Operating comfort
-  Individualization

bernafon
Your hearing • Our passion

*For information on compatibility, please visit www.bernafon.com/products/accessories.