

signia

Life sounds brilliant.

Contrast.™

**Separating speech from the noise.
Reducing listening effort.**

Information for NHS Audiologists.



We are pleased to announce the launch of Contrast to the NHS. On contract to NHS Providers, Contrast is an industry first with new audiological benefits for your patients.

Now available
the **Contrast** family.

Contrast.

Separating speech from the noise.

Contents

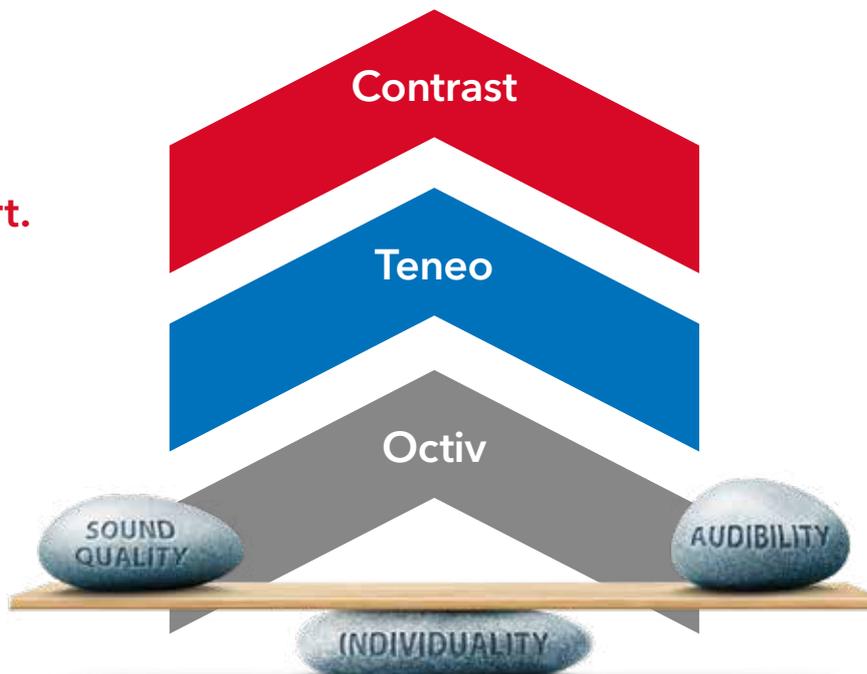
| | |
|---------------------------------------|---------|
| Contrast overview | 2 - 13 |
| Contrast product portfolio | 14 - 24 |
| Accessories | 25 - 27 |
| Connex 8 | 28 - 29 |
| Unity 3 Diagnostic and Fitting System | 30 |
| Equipment and accessories | 31 |
| Contact the team | 32 - 33 |
| Contrast Features and benefits | 34 - 35 |

A new chapter in Soundability.

We believe that hearing should be as natural and easy as possible. Even for patients with hearing loss. With the Octiv™ and Teneo™ product ranges we've made tremendous breakthroughs in hearing aid technology. Now, with Contrast, we've elevated our philosophy of Soundability™ to a new level.

Combining the optimal balance of sound quality and audibility tailored to the wearer's individual preference, Contrast separates speech from the noise using its 32 channel automatic directionality, narrow directionality and SpeechMaster* features to reduce listening effort and help re-socialise patients with hearing difficulty thereby improving their general well-being.

Reduced listening effort.



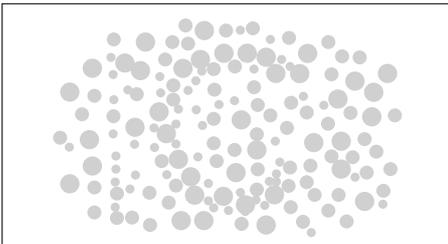
* SpeechMaster available using PrimaxFit only.

Outstanding technology to reduce listening effort.

Imagine trying to hear the public announcement at a busy railway station, trying to listen to a phone call over a poor connection, or trying to talk to your friend in a crowded bar. You can still hear and understand, but you need to concentrate. In these situations, listening requires effort.

Especially in situations where there's a high level of distracting ambient sound or when the sound quality of speech is bad, holding a conversation requires concentration and effort. Straining to hear voices, even for people with normal hearing, is tiring. For people with hearing difficulties, understanding speech calls for extra concentration and energy which can be exhausting, especially by the end of the day.

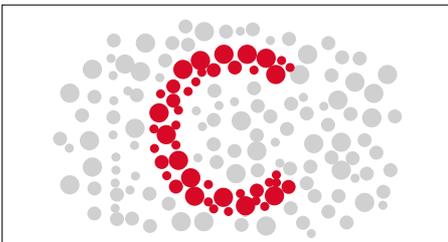
Thanks to its advanced SpeechMaster*, Contrast changes that. Singling out the dominant speaker and reducing extraneous background sounds and voices, Contrast hearing aids highlight the target speaker's voice and deliver outstanding sound quality, thus making hearing effortless and reducing listening effort in all situations, all day long, automatically.



Getting to the point, making it clear.

Listening effort is more than just understanding speech, it's about how easy it is to understand. Let's take this visual analogy:

In the same way, Contrast highlights speech from background noise to make hearing effortless.



In the upper image, you can read the letter C, but it's difficult. Whereas in the image below, highlighting the letter makes it stand out from the background dots, reducing the effort required to see it.

Separating speech from the noise.

Reducing listening effort.

That's **Contrast**.

Contrast.

High Definition Sound Resolution for the best binaural listening experience ever.

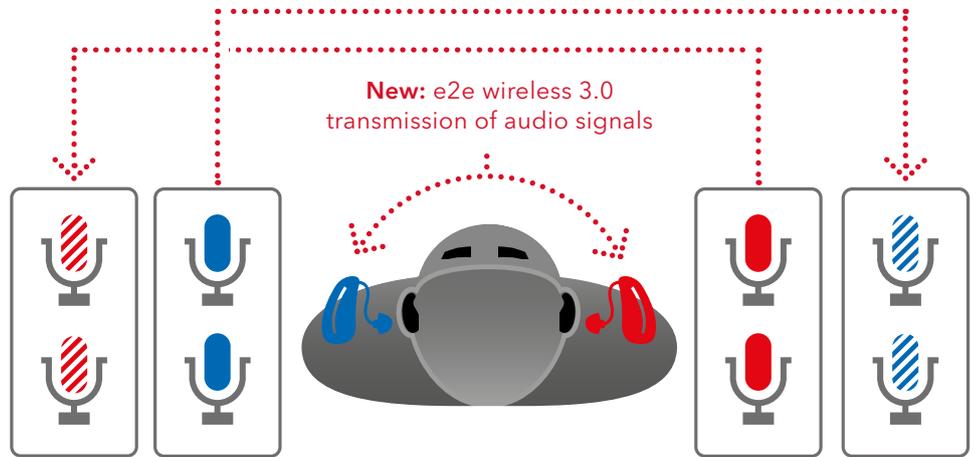
With Contrast, we introduce true binaural processing with e2e wireless 3.0 data transmission technology. In a bilateral fitting, e2e wireless 3.0 directly transmits audio signals between the two hearing aids. As a result, the hearing aids not only use the information picked up by their own two microphones, but also the acoustic signal from the two microphones of the other

Contrast hearing aid. This way, each hearing aid works with input from four microphones. Together as a bilateral pair, they create a virtual eight-microphone network that causes a heightened sensitivity of the acoustic environment.

e2e wireless 3.0 creates a virtual eight-microphone network.

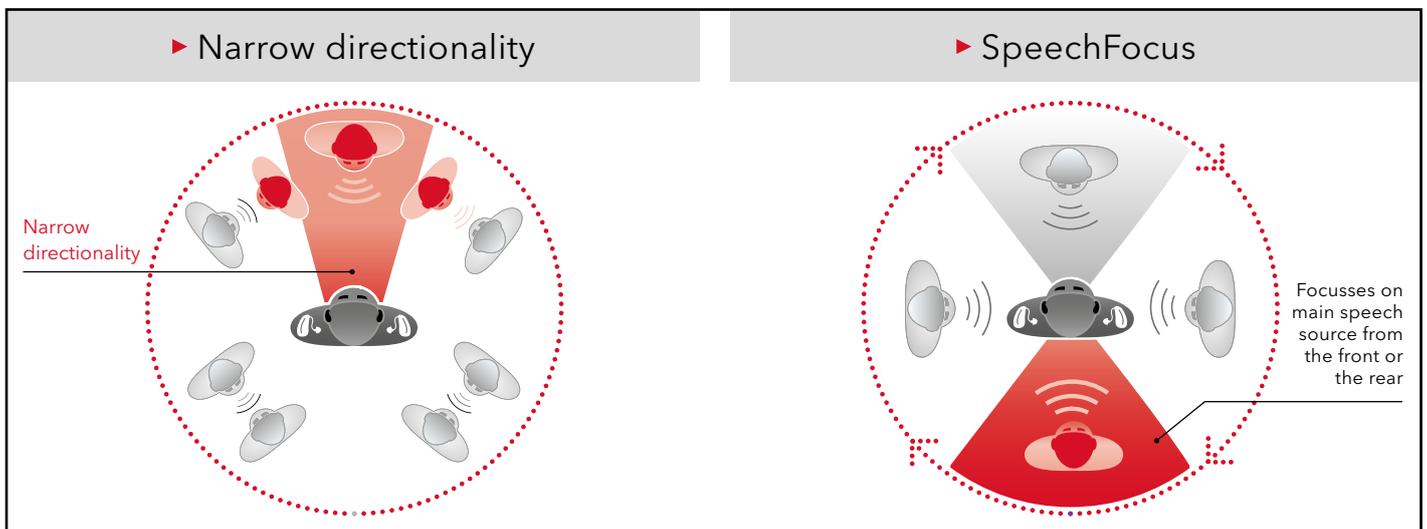
Contrast top technological facts:

- ▶ e2e wireless 3.0 transmits 1,000 x more data per second than the previous generation
- ▶ 16 % more transistors than Teneo
- ▶ 20 % more instructions per second than Teneo
- ▶ 32 processing channels
- ▶ 16 gain handles
- ▶ Power consumption: Only 1.6 mA with all binaural features active



Narrow Directionality & SpeechFocus

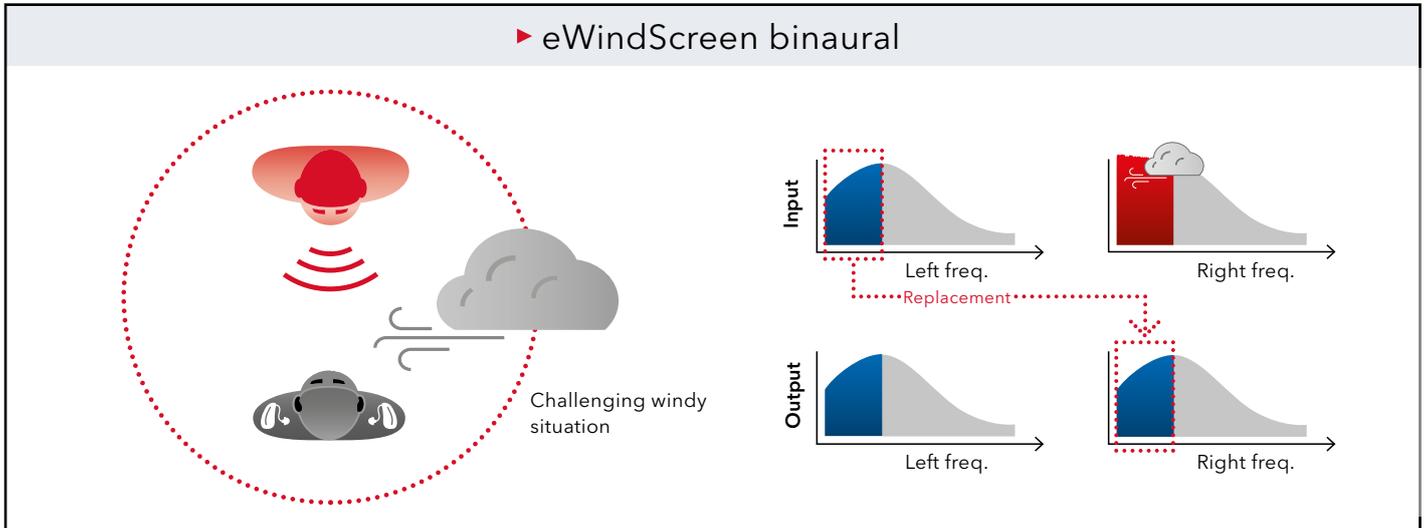
Hearing that's more precise than ever - in all directions.



Thanks to narrow directionality and SpeechFocus, Contrast allows patients to focus precisely on their desired sound source, whether it comes from the front or behind. To the front, it can narrow the beam of the directional microphone so much that it helps patients understand speech in difficult listening situations.

eWindscreen binaural.

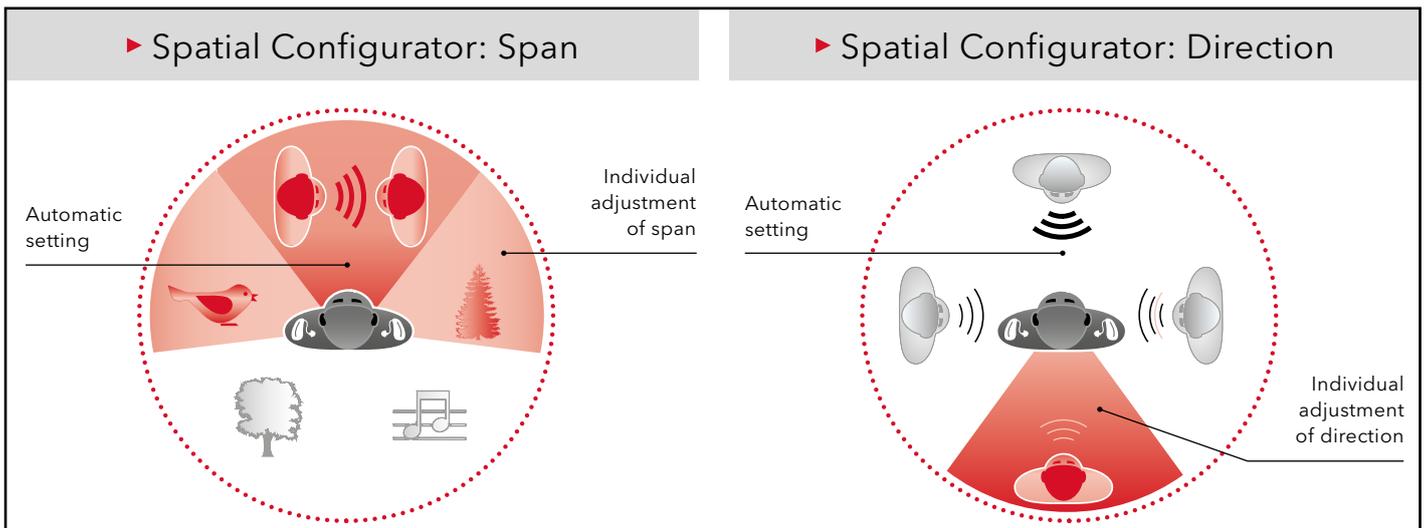
Features in harmony for the best audio output.



Thanks to true binaural processing, Contrast ensures optimal sound quality, even in challenging situations. In the presence of wind, eWindScreen™ binaural strategically transmits audio signals from the aid with the better audio quality to the other ear. This effectively reduces the annoying effects of wind without compromising spatial perception or speech intelligibility. eWindscreen binaural is available as an optional program in Contrast hearing aids.

Spatial Configurator.

Hearing has never been so individual.



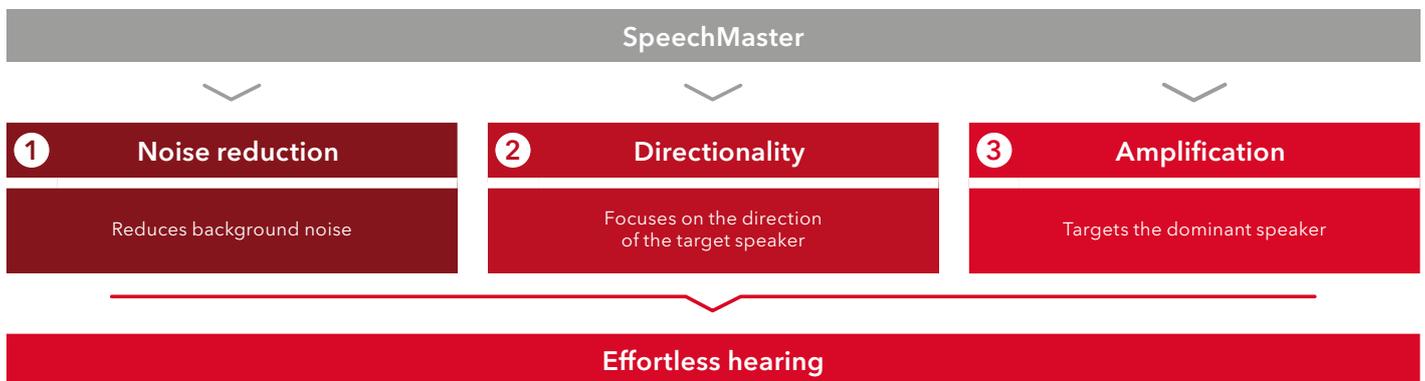
Spatial Configurator is the easy user control by which the experienced patient can steer their hearing aids in unique listening situations according to their listening preferences. **Span** allows the wearer to control whether the hearing aids should focus on the speaker from the front, or pick up the soundscape from all around them. **Direction** allows the wearer to dictate to where the directional microphones should focus, whether it is the front or the back.

SpeechMaster: Performance that's spot on for effortless hearing.

Listening effort is reduced by making speech understanding easier. Contrast hearing aids incorporate existing Octiv and Teneo technology while capitalising on further innovations to achieve reduced listening effort for a wide variety of speech environments.

This is achieved by selectively activating and steering three key technologies in parallel: Noise reduction, directionality and now with Contrast, by steering amplification to target the dominant speaker over all other sounds in any environment. We call this **SpeechMaster**.

SpeechMaster: Three key technologies for effortless hearing.



SpeechMaster

SpeechMaster orchestrates all features, including binaural functions, according to environmental changes to highlight the dominant speaker's voice and reduce listening effort in every speech situation throughout the day.

SpeechMaster: Mastering every speech situation.

What we learn in the laboratory and clinical situations fuels our quest for continual technological improvement. With SpeechMaster, speech is highlighted whenever it occurs. This means that your patients can enjoy easy hearing throughout the day - be it in relatively quiet situations such as at the breakfast table or in very difficult environments such as a railway station.



SpeechMaster highlights
the dominant speaker.

Contrast: For special listening demands.

While SpeechMaster uniquely makes understanding speech effortless in everyday life, there are certain hearing situations that call for even more. Be it enjoying music to its fullest or handling phone calls with ease, Contrast offers a range of dedicated programs to make hearing a breeze and a pleasure.

HD Music: An optional program for full music appreciation.



Rounding off the day enjoying some music.

The characteristics that hearing aids need for speech intelligibility are very different to those needed for music appreciation. With its High Definition Music program, Contrast offers wearers an optional setting for a fuller, richer sound experience. Wherever they are, your patients will be fully immersed in the music.

Contrast HD Music offers a solution for those who want to fully enjoy the sound of their favourite music at home. Made for true music lovers, the "Recorded Music" program's frequency response and amplification are specifically tailored to deliver outstanding quality from recorded music so listeners can enjoy every note.

With HD Music, Contrast lets patients with hearing aids fully dedicate themselves to their music.

Programs for special listening demands.

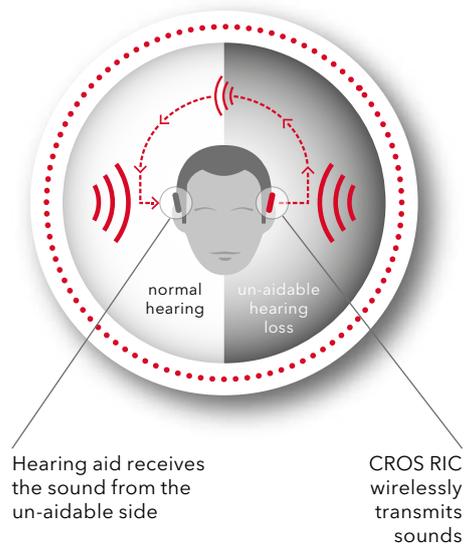
- ▶ HD Music
- ▶ Wireless CROS/BiCROS



Wireless CROS/BiCROS: It's not a one-sided issue.

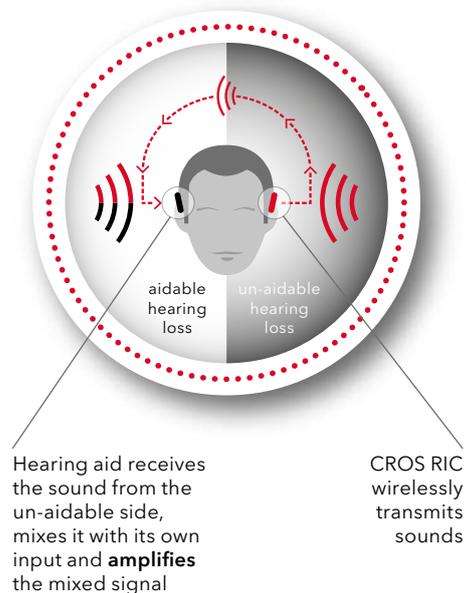
CROS solution:

The wireless CROS solution is designed for people who have normal hearing in one ear and un-aidable hearing loss in the other. In the diagram, sounds from the un-aidable side are received by the microphones of CROS RIC and wirelessly transmitted to the side with normal hearing.



BiCROS solution:

The wireless BiCROS solution is designed for people with un-aidable hearing loss in one ear and aidable hearing loss in the other. Sound from the un-aidable side is received by the CROS RIC and transmitted to the Contrast on the aidable ear. The Contrast hearing aid delivers the combined and amplified sound from both devices.



Available
Autumn 2018

Welcome to the future.

Introducing Signia TeleCare.
Your personal connection to success.

Signia TeleCare is an application designed and built by Hearing Care Professionals. It will help you to establish an unprecedented standard of care that will change the way you manage patient fittings and run your department.

A recent study* shows that the three top areas that impact overall patient satisfaction are:

- Quality of service during the fitting
- Quality of counseling throughout the process
- Quality of service after fitting



Patient:
App

* Better Hearing Institute. (2015, March).
MarkeTrak 9: A New Baseline
(Final Report). Washington, DC.

Why TeleCare?

Today's hearing aid patients are empowered and proactive in their health and well-being. They are increasingly focused on immediacy, real-time connectivity, personal comfort, and have come to expect the highest standard of care. Many

patients live a busy, active lifestyle with no time to waste.

The first big impact of TeleCare technology is to address a current "blind spot" in hearing care: During the most crucial moment of hearing

care - when a patient is using their hearing aids for the very first time - despite your best efforts, they are on their own during the initial and critical weeks of acclimatisation.

Hearing Care Professionals have reported*:

Patients come in for a follow-up appointment having rarely worn their hearing aids

- Patients show little motivation to evaluate their hearing aids throughout the trial phase
- Patients haven't understood or remembered as much about hearing loss and hearing aids as expected
- Patients give up wearing their hearing aids

**Audiologist:
Web portal**



From your computer or smart device to your patient's smartphone. TeleCare keeps you in direct contact with each other during the critical fitting period. Wherever your patient may be.



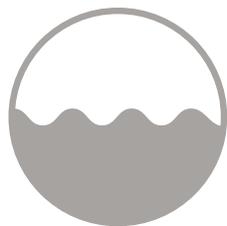
Tinnitus therapy.

Three strategies, optimum results.

Unique solutions deliver individually optimised therapy.

Signia hearing aids offer three different strategies against tinnitus. **Static noise tinnitus therapy** and **ocean wave tinnitus therapy** cover up the disturbing tinnitus sounds with individually tuned therapy signals which divert attention away from the tinnitus and thereby reduce its impact. As a result, sufferers can relax and concentrate on what they want to hear.

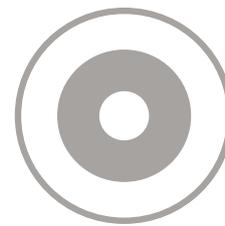
Our new **Notch Therapy**, available exclusively in Signia hearing aids, is proven to reduce the annoyance of tonal tinnitus and may even make it disappear completely.**



**Static noise
tinnitus therapy
signals**



**Ocean wave
tinnitus therapy
signals**



Notch Therapy

** See legal note on final page in this document.



Static noise tinnitus therapy signals.

Soft and gentle sounds that take away the annoyance of tinnitus.

Signia hearing aids feature a tinnitus function that generates additional sound in the form of a soft therapy signal. This effectively distracts the sufferer from the tinnitus, helping them to relax and enjoy life. In addition to a range of preset signals, the therapy signals can be customised to your patient's specific needs.

Static noise therapy signals use a form of sound that mixes in with the tinnitus sounds and distracts from it. Signia hearing aids offer five different types of signal.



Ocean wave tinnitus therapy signals.

What could be more relaxing than the sound of a seashore?

Inspired by the tranquil sound of the sea lapping against the shore, ocean wave therapy signals replicate the relaxing feeling of being on a beach. Ocean wave therapy signals mimic the sound of the sea to provide a positive, soothing, and stress-relieving listening experience.

Audiologists can help patients choose from four different signals to find the one that is most relaxing and comfortable.



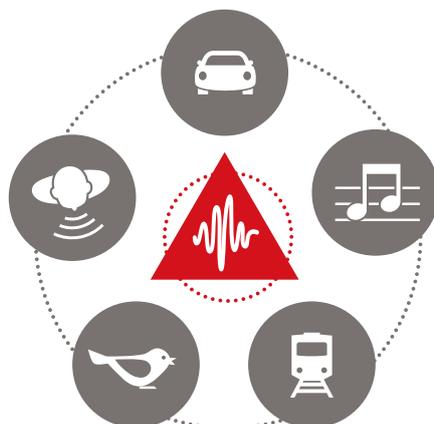
Tinnitus Notch Therapy.

Removing the sounds of tinnitus for a truly peaceful experience.

Signia hearing aids are the only ones with in-built Tinnitus Notch Therapy. This is a well-researched and clinically proven method for people who experience tonal tinnitus and who have hearing loss. Unlike the static noise and ocean wave approaches, which introduce an additional therapy sound, Notch Therapy

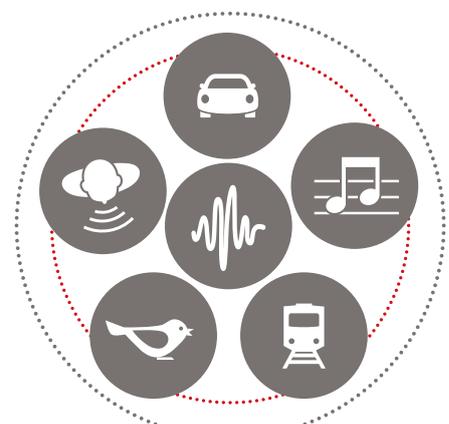
treats tinnitus inaudibly and unobtrusively. All patients have to do is wear their Contrast hearing aids as they normally would, but with notch therapy applied to reduce the annoyance of tinnitus in just weeks or months.

Without Notch Therapy



Tinnitus stands out above other surrounding noise and is clearly heard.

With Notch Therapy



Notch Therapy reduces the annoyance of tinnitus so that patients can enjoy the sounds of their environment again.

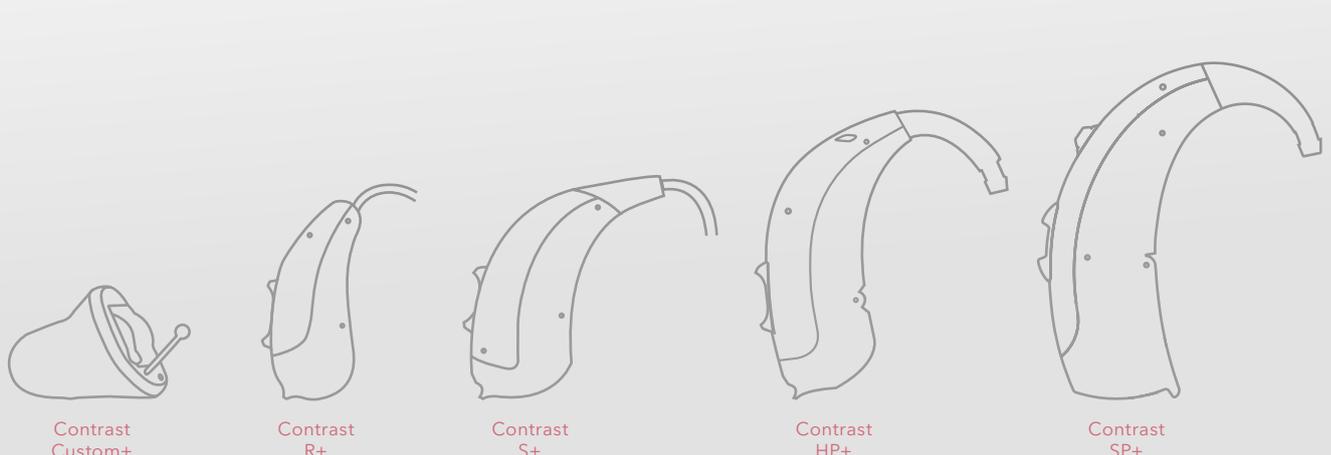
The Contrast family: Effortless hearing for a

Whatever the situation, whatever your patients needs and requirements - whether it's RIC, BTE or ITE - Contrast offers them the natural ease of listening all day long.

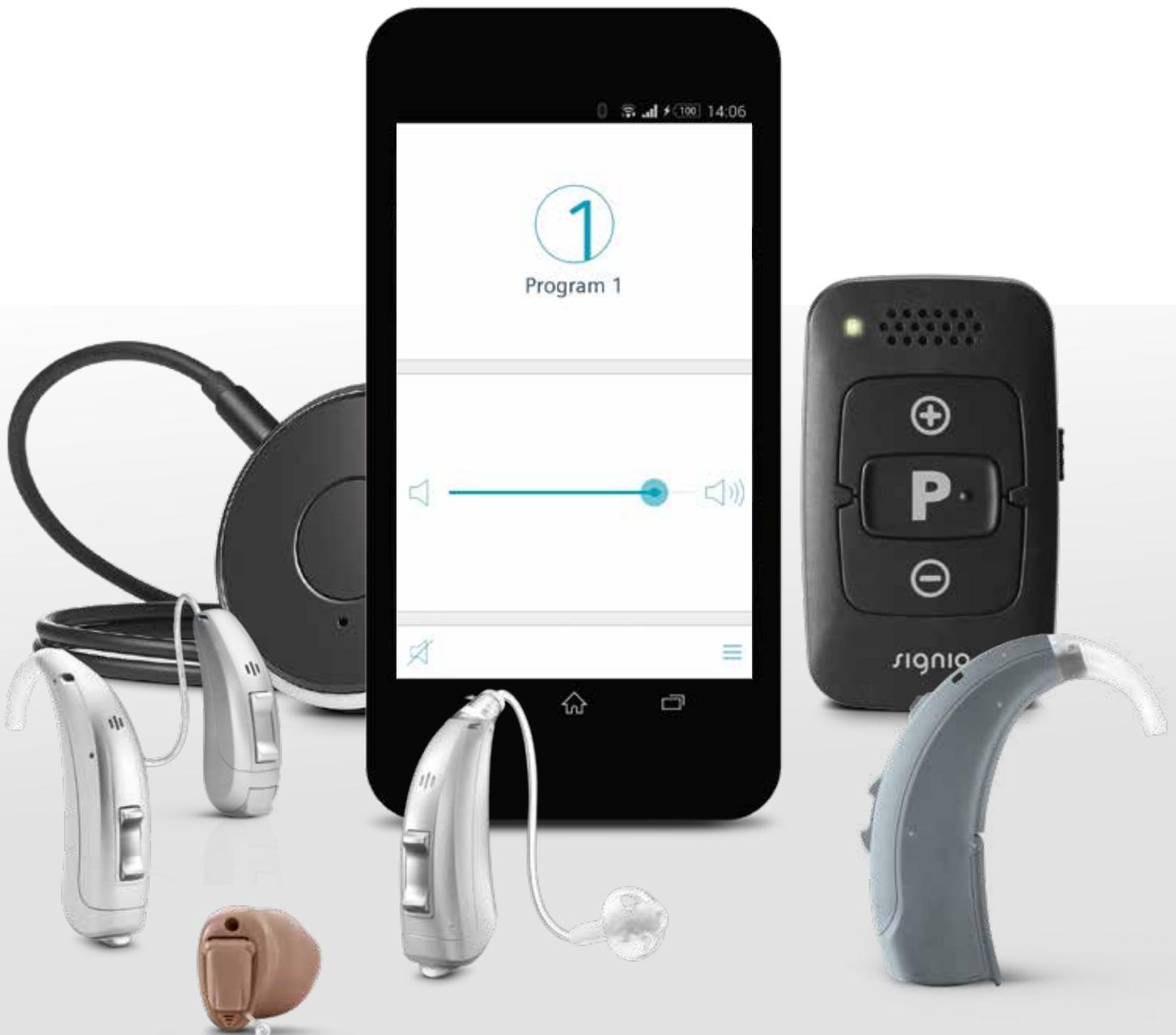
The outstanding Contrast hearing aid technology is available in a range of models from RIC to miniBTE, Power, Super Power BTE and Custom. Within the Contrast family there's a perfect hearing aid for almost every hearing loss. Plus, with its CROS RIC solution, Contrast offers patients with un-aidable hearing loss in one ear easier all round hearing.

In addition, there's a range of advanced accessories available for these new hearing aids. With their extended connectivity options to external devices via easyTek, or discreet remote control of the hearing aids via the The Singia App, Contrast makes life even easier for patients.

Actual size in cm



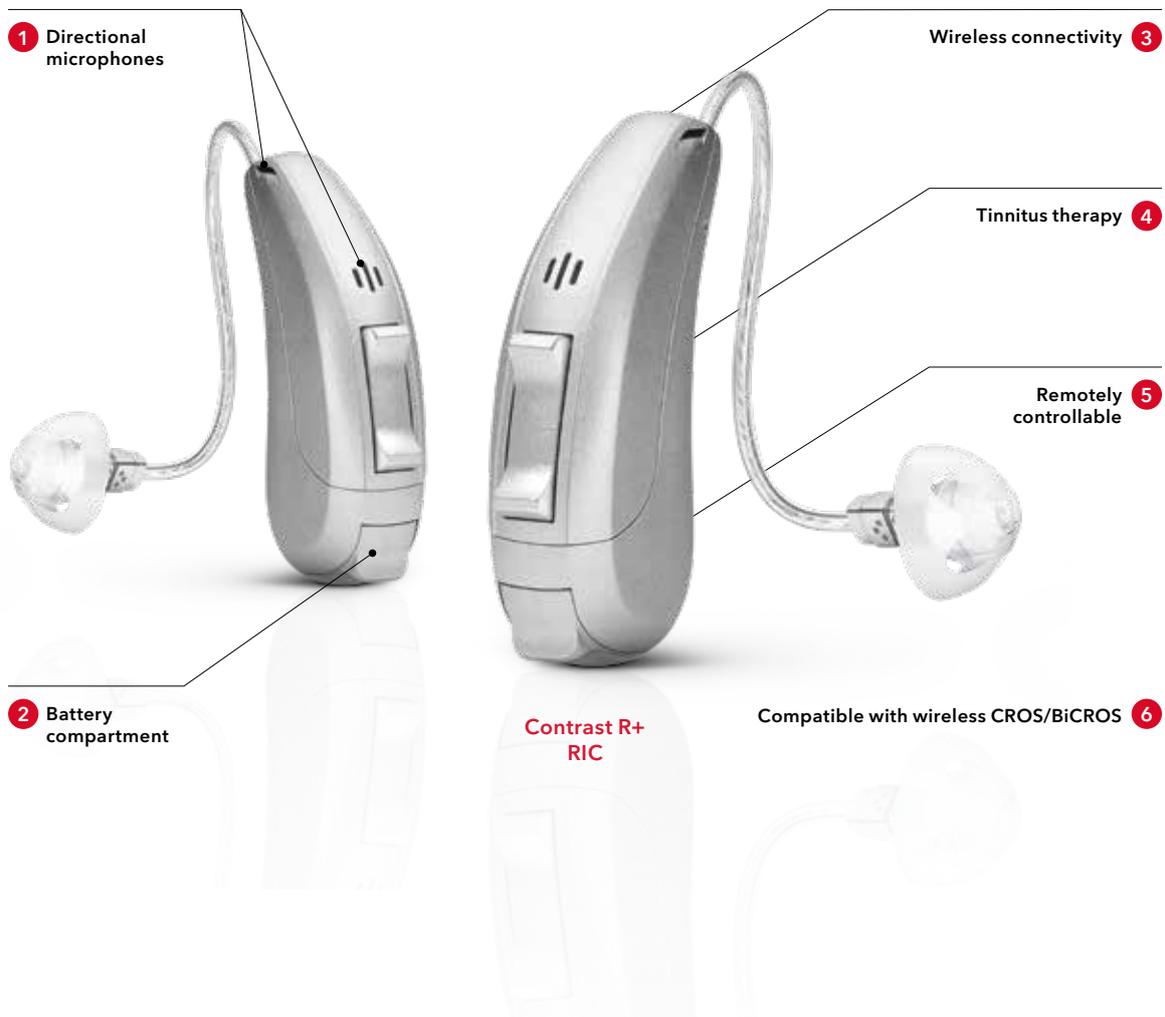
greater contrast.



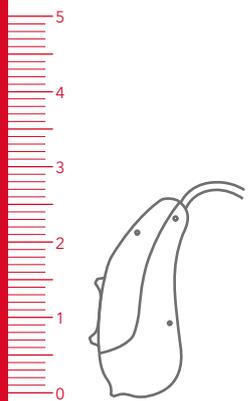
Contrast R+

Fully featured. Binaural. Effortless.

Ideal for discerning patients, the Contrast R+ combines elegant sophistication with the power of Contrast technology in a RIC hearing aid. Small, stylish and superbly discreet, its design and features deliver outstanding hearing so that wearers can hear effortlessly in every situation.



Actual size in cm



Colours



At a glance.

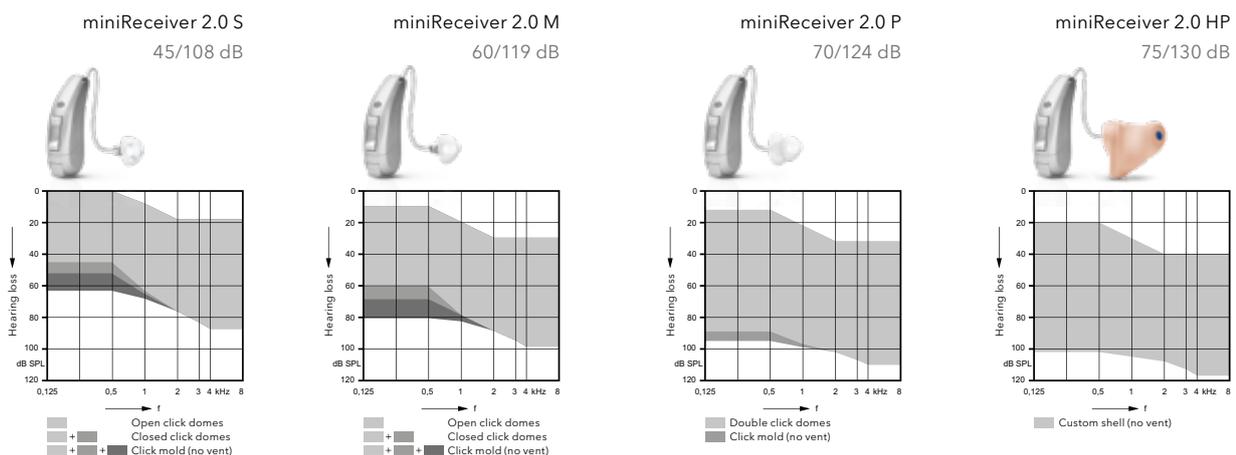
- 1 Directional microphones**
Optimised placement and orientation ensure the best possible hearing performance.
- 2 Battery compartment**
For a size 312 battery. With on/off function.
- 3 Wireless connectivity**
Easy audio streaming and remote control functionality via the easyTek and Signia App.
- 4 Tinnitus therapy**
Tinnitus therapy signals with five static noise types and four ocean wave signals and notch therapy.
- 5 Remotely controllable**
Via the Signia App, hearing programs, volume, directionality, bass and treble can be discreetly changed.
- 6 Wireless CROS/BiCROS**
Compatible with CROS RIC.

Contrast R+ in detail.

Suitable for practically all levels of hearing loss, the Contrast R+ redefines the lightness of hearing. IP67-rated for greater reliability, its tiny housing is packed full of advanced functionality. Directional microphones deliver outstanding binaural performance while easyTek and Signia App extend its functionality for greater convenience and connectivity.



Fitting ranges



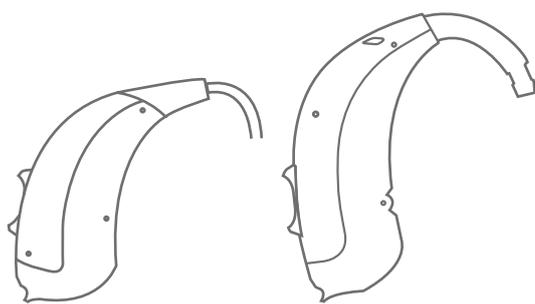
Contrast S+ & HP+

Sleek. Effortless.

With their sleek, robust BTE design, the Contrast S+ & HP+ models offer patients maximum comfort and convenience. Easy to adjust and control, they are packed with functionality that lets patients hear with ease all day long.



Actual size in cm



Contrast S+

Contrast HP+

Colours



At a glance.

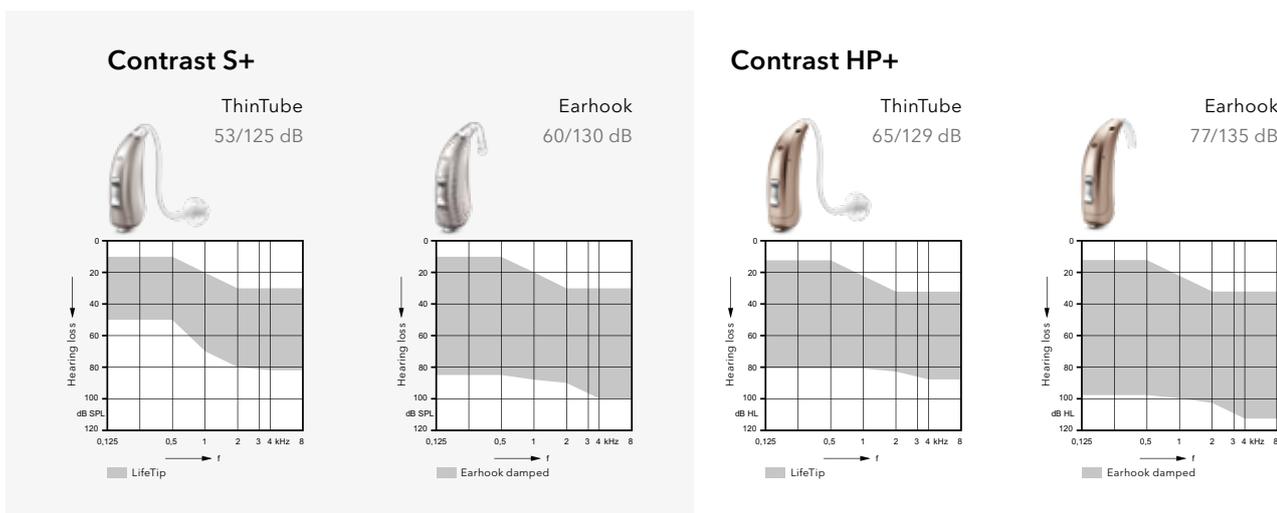
- 1 **Directional microphones**
Optimised placement and orientation ensure the best possible hearing performance.
- 2 **Wireless connectivity**
e2e wireless 3.0 allows for easy audio streaming and remote control functionality via the easyTek and Signia App.
- 3 **Tinnitus therapy**
Tinnitus therapy signals with five static noise types and four ocean wave signals and notch therapy.
- 4 **Remotely controllable**
Via the Signia App, hearing programs, volume, directionality, bass and treble can be discreetly changed.
- 5 **Wireless CROS/BiCROS**
Compatible with CROS RIC

Contrast S+ & HP+ in detail.

Fully featured with directional microphones for true binaural hearing, Contrast S+ & HP+ are fitted with the ultra-slim ThinTube for maximum discretion and improved directional hearing. Contrast S+ & HP+ can be equipped with an optional battery compartment for direct audio input via an integrated audio shoe.



Fitting ranges



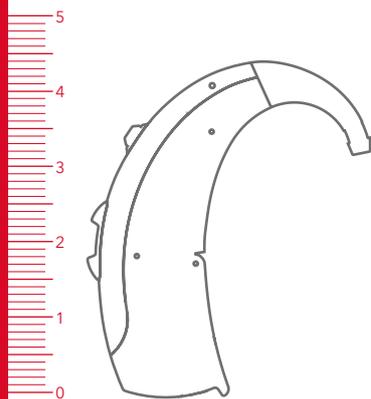
Contrast SP +

Sleek. Convenient. Effortless.

With the new Contrast SP+ the latest technological advancements become available to patients with severe to profound hearing loss in a compact housing with a much improved fitting range. Contrast technology delivers the best speech comprehension in very noisy environments, often the most difficult challenge when taking part in social occasions.



Actual size in cm



Contrast SP+

20

Colours



At a glance.

- 1 Directional microphones**
Optimised placement and orientation provide an improved directionality to ensure the best possible binaural listening performance.
- 2 Dual onboard controls**
Integrated push button and rocker switch for manual control including a programmable key lock to prevent unintentional program or volume changes.
- 3 IP67-rated**
Resistant to moisture, sweat, dust and dirt.
- 4 Tinnitus therapy signal**
Contrast SP+ features Signia tinnitus therapies including five static noise types and four ocean wave signals.
- 5 Wireless CROS/BiCROS**
The transmitter device sends processed audio signals to the hearing aid in the other ear via e2e wireless 3.0.
- 6 Wireless connectivity**
Easy audio streaming and remote control functionality.
- 7 e2e wireless 3.0**
This third-generation wireless data exchange system enables binaural features in Contrast SP+.
- 8 Option: Direct audio input**
Contrast SP+ comes with a standard battery compartment that can be exchanged for one with a direct audio input connection.

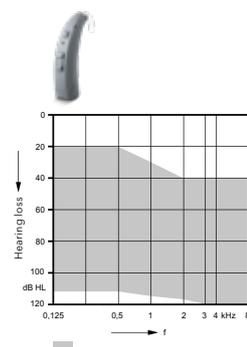
Contrast SP+ in detail.

Contrast SP+ is a compelling choice for patients with profound hearing loss. Signia Contrast takes connectivity, speech comprehension and performance to the next level with technologies like Narrow Directionality, SpeechMaster and full wireless support with our app and accessories. Direct audio input via the optional audio shoe and easy-to-reach controls on the device cater to the wearers typical requirements in this class.



Fitting ranges

Earhook
82/141 dB



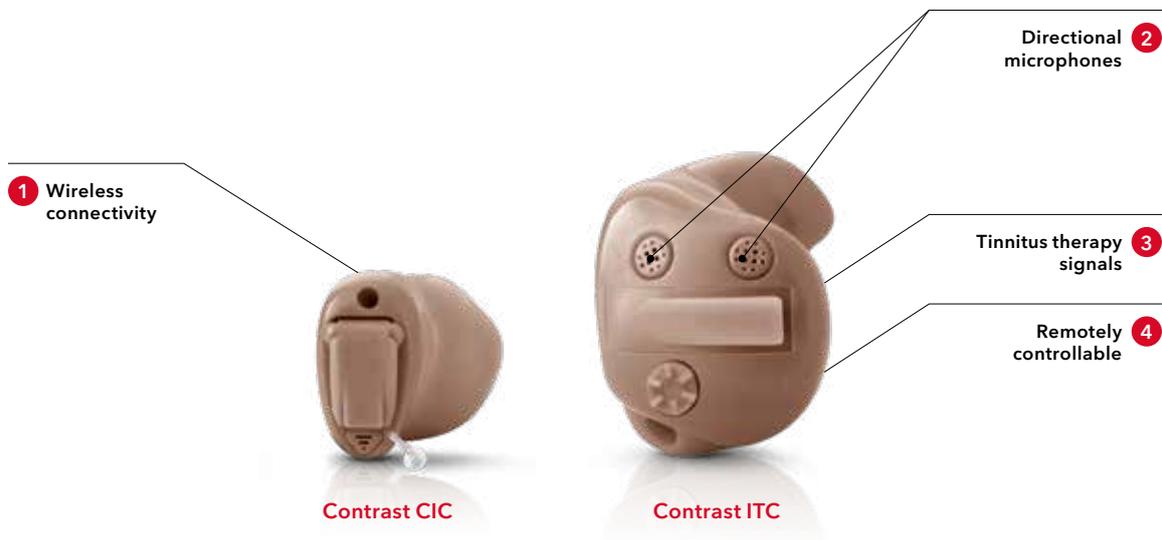
Enhanced discretion and convenience.

The Signia App makes life even simpler: Wearers can adjust the volume and change programs easily and discreetly via their smartphone. Plus, a wide range of accessories is available for even greater convenience.

Contrast Custom+

Ultra-discreet. Custom fit. Effortless.

Incredibly tiny and almost unnoticeable in the ear, the Contrast Custom+ is tailor-made for patients with special requirements who need the ultimate in discretion and performance. With their custom fit, Contrast Custom+ models ensure complete comfort and can be controlled remotely for total convenience. Their small housings are packed with powerful functionality that makes hearing truly effortless.



Actual size in cm



Contrast Custom+

Colours



At a glance.

- 1 Wireless connectivity**
Easy audio streaming and remote control functionality via the easyTek and the Singia App.
- 2 Directional microphones**
Optimised placement and orientation ensure the best possible hearing performance.
- 3 Tinnitus therapy signals**
Tinnitus therapy signals with five static noise types and four ocean wave signals.
- 4 Remotely controllable**
Via the Singia App, hearing programs, volume, directionality, bass and treble can be discreetly changed.
- 5 Wireless CROS/BiCROS**
Contrast custom is compatible with CROS/BiCROS product.

Optional: Wireless CROS/BiCROS

The transmitter device sends processed audio signals to the hearing aid in the other ear via e2e wireless 3.0.

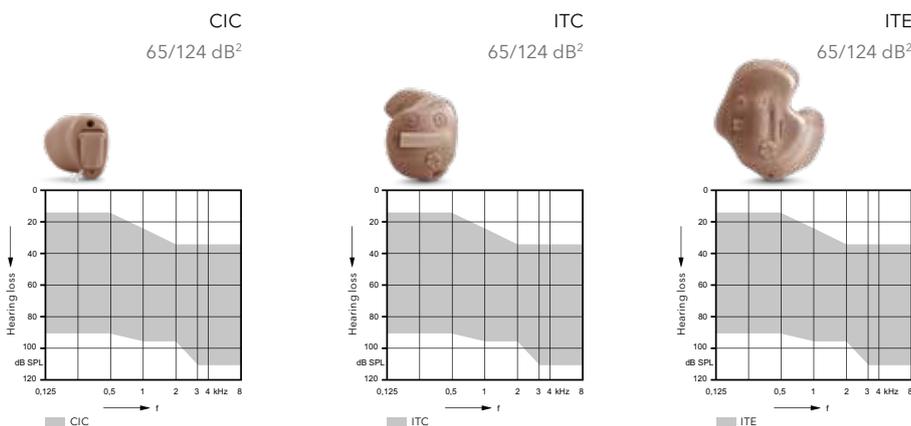
Contrast Custom+ in detail.

Available in a variety of models, the Contrast Custom+ offers outstanding sound quality and performance.

All Contrast Custom+ models, from ITEs down to even the CICs can be remotely controlled via the Singia App. The easyTek and Singia App further enhance the wireless connectivity options of all Contrast Custom+ models.



Fitting ranges



²Max. values

CROS RIC

Transmitter.

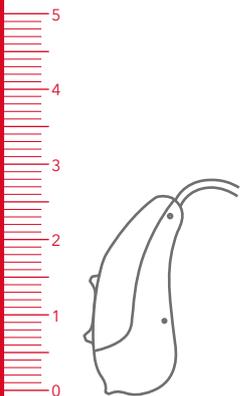
As discreet and elegant as the Contrast R+ hearing aid, CROS RIC is the transmitter for CROS and BiCROS fittings and is compatible with all Contrast hearing aids.



At a glance.

- 1 Directional microphones**
Improved speech understanding in noise by focusing on the person in front of the wearer.
- 2 e2e wireless 3.0**
This third-generation wireless data exchange system enables the energy-efficient audio data transmission to the corresponding Contrast hearing aid.
- 3 Battery compartment**
For a size 312 battery. With on/off function.
- 4 Sleek housing**
CROS RIC fits discreetly behind the ear and offers a high degree of wearing comfort.
- 5 miniReceiver 2.0**
Available in four different lengths for retention. Please note: No output is provided by the receiver if attached to the CROS RIC.

Actual size in cm



Colours



Accessories.

For more convenience and more possibilities.

The best accessories complement and significantly extend the functionality of hearing aids. Remote controls, companion microphones and charging stations are a delight for every hearing aid wearer.



miniPocket.

The ideal solution for anyone who wants discreet, convenient control of their hearing aids without the need for a large remote control or smartphone. Reliable and easy to use, the miniPocket™ is small enough to carry on a key ring yet powerful enough to control all essential features.



TV Transmitter.

The TV Transmitter connects TVs without Bluetooth functionality to the easyTek. This way, you can wirelessly stream sound directly into your hearing aids and fully enjoy your favourite movie.



Remote control: easyPocket.

The sleek easyPocket™ with large buttons and an easy-to-read display even gives users with dexterity issues easy access to their hearing aids.



Companion microphone: VoiceLink.

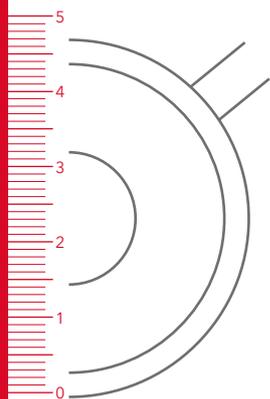
VoiceLink™ wirelessly connects to easyTek. When the microphone is given to a speaker, it directly streams their voice to the hearing aids - which is especially helpful in difficult listening situations like meetings.

easyTek.

Effortlessly connected,
seamlessly integrated.



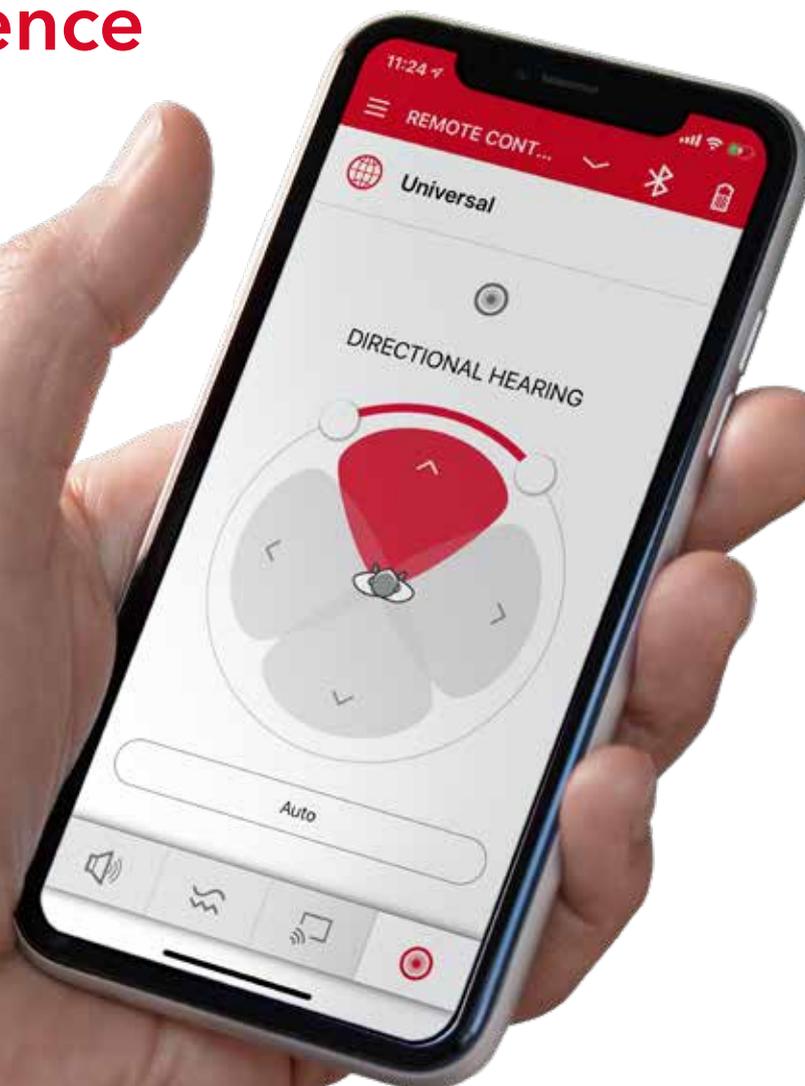
Actual size in cm



easyTek

Signia App: Greater convenience

All your needs, all together

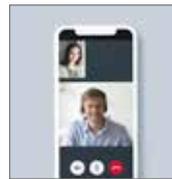




Simpler all round, more convenient for all, the new Signia app combines all Signia's existing apps into one unified environment for all the user's needs. And because it includes TeleCare, it integrates seamlessly into your fitting process, making it easier for your customers to stay in touch with you when they are away from your premises. The result is a faster, more precise fitting process – streamlining your work, satisfying your customer.

At a glance.

TeleCare



Stay in closer contact with your customers:

- Real-time contact via text message, voice call or video call
- Intuitive monitoring of your customers' daily satisfaction
- Set virtual appointments for the precise remote adjustment of the hearing aids

Remote control



Personalize your customers' hearing experience further:

- Hearing program and volume control
- Sound Balance Adjustment
- 360° Spatial Configurator for individual adjustment of directionality
- Continuous monitoring of the hearing aids' connection and battery status

Connectivity & Streaming



- Easy management of audio streaming accessories (e.g. StreamLine TV, StreamLine Mic) as well as CROS devices
- Volume level control while streaming
- Adaptive streaming volume



The Signia app is compatible with Android and iOS. Downloading it from the Apple App Store or Google Play Store is free of charge.

Connex Eight.

The perfect fit for perfect fittings.

New and improved, with its modern, flat design, Connex™ Eight is the digital hub for our NHS hearing aids. It supports all Oktiv and Teneo hearing aids, plus the complete range of Contrast devices. Whether you're in a consultation, programming hearing aids or offering your patients individual care, Connex Eight supports you at every step for a fast and efficient workflow.

Faster, fluent fitting.

Connex Eight's **parallel programming** technology means that you can continue making adjustments while the hearing aids are actively programmed in the background. Thanks to an uninterrupted, more fluent and faster fitting process, you'll have even more time for personalised patient consultations.



Clear to see: The status bar indicates whether hearing aids are still being programmed while you make further adjustments

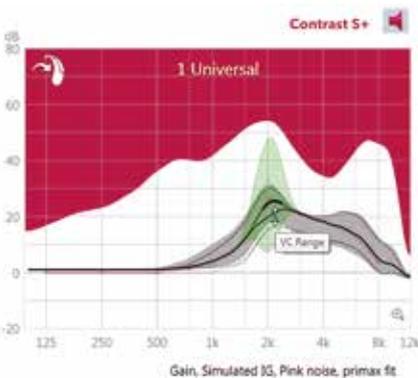


Enhanced details. Improved workflow.

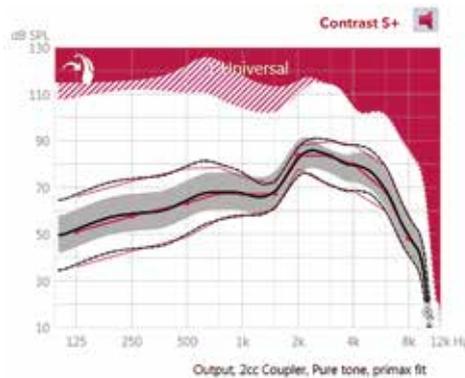
To enhance your workflow, Connexx Eight comes with many improved features. Working seamlessly across Contrast, Teneo and Octiv platforms, **Mimic Fit™** for example transfers the fine tuning settings from a patients former hearing aids to the new ones, so you don't have to start at the beginning every time.

For quicker and more precise adjustments, changes in frequency shape can now directly be made in the Curve View, with a drag-and-drop of your mouse. Plus, the **Curve View** also displays the MPO next to gain/output - making your workflow even more convenient.

Thanks to all its improvements, Connexx Eight saves you time and effort every day.



Quicker, more precise changes: The Curve View allows you to adjust the curve directly in the chart



All values at a glance: The Curve View now even displays the MPO next to gain/output

QR-code generator for the Singia App.

Save time and effort with the QR-code: Your patients can scan the code on the printable single-page instruction sheet and set up the app in just one step. Program names and features for the Singia App are automatically configured.

Unity 3 Diagnostic and Fitting System.

Diagnostics have never been so fast and easy.

With the pioneering plug and play function, you just plug the headsets into your Unity™ 3 station and you'll be up and running in almost no time - for a high degree of efficiency. The new Unity 3 design, which is portable, efficient and easy to use, will help you save time and support your patients with innovative audiology equipment.

For more information, a demonstration or quote please speak to your Sivantos Audiologist.



Test box with detached fitting module

At a glance.

- ▶ Binaural measurements for fast accurate fittings
- ▶ Unique calibration process via headset replacement service - no clinic downtime
- ▶ Complete portability making it ideal for mobile fittings
- ▶ Compatibility with NOAH and all patient management systems
- ▶ AutoFit™ compatible to deliver REM to meet both IQIPS & Clinical Excellence standards

Equipment and accessories.

A selection of equipment and accessories for all stages of hearing care.



ConnexxAir™

Programming is now easier, completely wireless and more comfortable for patients

- ▶ ConnexxAir provides cost effective wireless programming ensuring the most comfortable fitting for both the wearer and Audiologist
- ▶ Compatible with all NHS hearing aids from Sivantos featuring e2e wireless



Firefly Wireless Video Otoscope

No wires, smart and professional otoscopy

- ▶ High quality, high resolution crisp images
- ▶ Wireless or USB version
- ▶ Available with stand for use as digital microscope



Connexx cleaning products

- ▶ Starter kit includes all necessary items for the cleaning of hearing aids
- ▶ Cleaning tools
- ▶ Drying Cup & capsules
- ▶ PerfectClean & PerfectDry Lux sets for highest level of cleaning care

Please ask your Sivantos Audiologist for our Connexx Accessories Brochure for a full range of accessories available to NHS patients.

Your one stop shop.
Your partner.



Contrast. Separating speech from the noise. Reducing listening effort.

Features and benefits.

SpeechMaster: Superb performance that highlights speech.

Listening effort is reduced by making speech understanding easier. Contrast incorporates existing Teneo and Octiv technology while capitalising on further innovations to achieve reduced listening effort in a wide variety of speech environments. This is achieved by selectively activating and steering three key technologies in parallel: Noise reduction, directionality and now with Contrast, by steering amplification to target and elevate the dominant speaker over all other sounds in any environment. We call this **SpeechMaster**.



SpeechMaster: Three key technologies for effortless hearing.



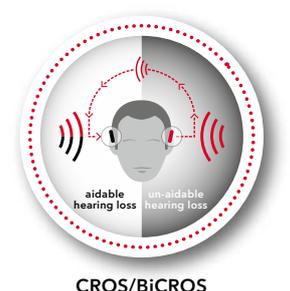
HD Music: Made for appreciation.

Specially created to deliver an outstanding music fidelity, the HD Music program delivers a superb listening experience. For a fuller, richer sound and outstanding music quality. "Recorded Music" delivers an experience specifically tailored to give listeners outstanding quality and fidelity from recorded music.

Wireless CROS/BiCROS: An end to one-sided conversation.

Ideal for patients with un-aidable hearing loss in one ear: CROS and BiCROS solutions are based on e2e wireless™ 3.0 with its industry benchmark for low energy consumption.

A CROS RIC transmitter is worn behind the un-aidable ear and the sound it receives is sent wirelessly to the Contrast hearing aid on the other side, thus allowing the wearer to hear sounds from both sides.



Contrast

| | | |
|---|--|-------|
| Signal processing and Gain/MPO | Channels/Handles in Connexx™ | 32/16 |
| Hearing programs | Maximum available | 6 |
| SpeechMaster | | ● |
| HD Music | Number of preset programs | 1 |
| Wireless CROS/BiCROS ^A | Req. bilateral fitting & e2e wireless 3.0 | ● |
| Directionality | Resolution in channels | 32 |
| Narrow directionality ^A | Req. bilateral fitting & e2e wireless 3.0 | ● |
| Directional microphones ^A | | ● |
| SpeechFocus ^A | | ● |
| TruEar™ | Req. BTE or RIC hearing aids | ● |
| Frequency compression | | ● |
| Feedback cancellation | | ● |
| eWindScreen™ binaural ^{A, B} | Req. bilateral fitting & e2e wireless 3.0 | ● |
| eWindScreen | Adjustment steps | 3 |
| Noise reduction | Resolution in channels/Combined adjustment steps | 32/5 |
| Speech and noise management | Individual adjustment steps | 5 |
| SoundSmoothing | Individual adjustment steps | 3 |
| Directional speech enhancement ^A | Individual adjustment steps | 1 |
| SoundBrilliance™ | Streaming only, req. easyTek & e2e wireless 3.0 | ● |
| Sound equalizer | Number of classes | 3 |

User controls, remote controls, streaming

| | | |
|-----------------------------------|---|---|
| Signia App | iOS and Android devices only | ● |
| easyTek/easyPocket | Req. e2e wireless 3.0 | ● |
| Spatial Configurator ^A | Req. bilateral fitting & e2e wireless 3.0 | ● |
| Span | Req. easyTek & Signia App | ● |
| Direction | Req. easyTek & Signia App | ● |
| SoundBalance™ | | ● |

Fitting

| | | |
|-------------------------|-------------------|-----|
| InSituGram | | ● |
| Learning/Data logging | Number of classes | 3/6 |
| Acclimatization manager | | ● |

Tinnitus

| | | |
|---------------------------------------|--------------------|----|
| Tinnitus | | |
| Static therapy signal (5 presets) | Handles in Connexx | 16 |
| Ocean wave therapy signal (4 presets) | | ● |
| Notch therapy | | ● |

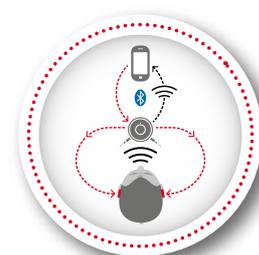
A) Only for hearing aids with two microphones each.

B) Optional program.

●●●●● = feature level

We've made some tremendous breakthroughs in high quality binaural hearing, especially in difficult listening situations. Now, with Contrast, we take another step forward in advanced hearing technology. Designed to deliver the natural ease of listening, separates speech from the noise and reduces listening effort. Contrast offers a broad range of RIC, BTE and ITE products. Contrast also provides wireless CROS and BiCROS solutions, for patients with single-sided un-aidable hearing loss for all round hearing.

A complete range of accessories is available, from extended connectivity options with external devices via easyTek™ to discreet remote control via the Signia App. Contrast hearing aids improve understanding on the phone: With easyTek, users can enjoy hands-free calls via their Bluetooth-enabled smartphones.



With easyTek

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

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** Powers, L., dos Santos, G.M., & Jons, C. (2016, September). Notch approach to tinnitus treatment. AudiologyOnline, Article 18365.
Notch Therapy: A New Approach to Tinnitus Treatment.

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