

Oticon ♦ Dual

A beauty on the outside...



and a sensation on the inside

The industry's best looking hearing device...



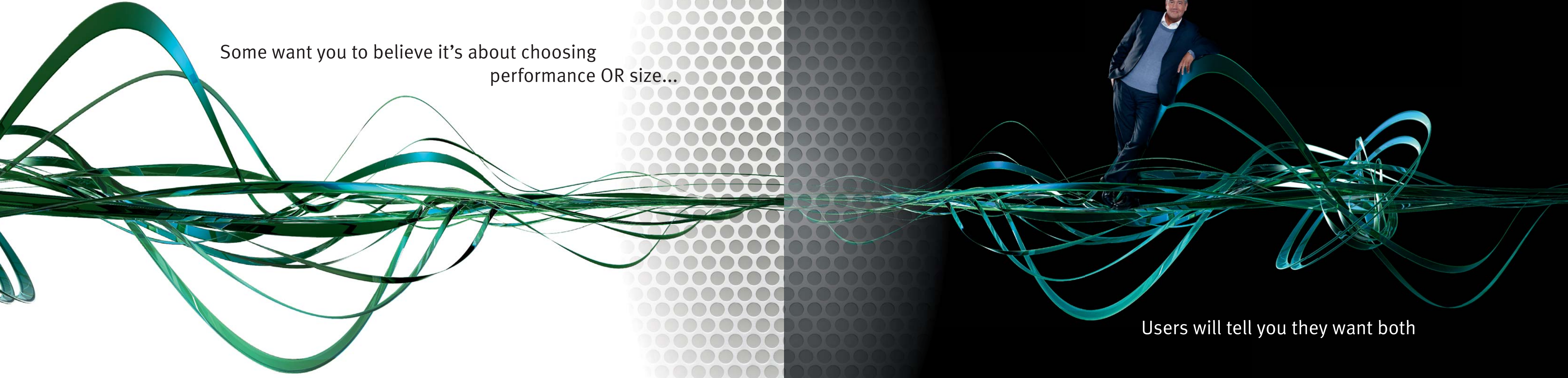
We are at the turn of yet another chapter in the hearing aid industry. Long sought advantages, made possible through wireless technology, have propelled the performance of hearing devices to a new level. At the same time, we see the creation of products which have been specifically designed to break down the resistance users have to wearing hearing aids. Now these elements have converged.

Introducing Oticon Dual - everything else is only half of what your patients are looking for.

Also happens to deliver the most impressive sound experience



- The perfect combination of appealing design and the best performance
- Fantastic sound quality with Spatial Sound and full wireless connectivity
- The perfect tool for reaching more new and experienced users



Some want you to believe it's about choosing
performance OR size...



Users will tell you they want both



Dual reduces fear

When clients first see Dual, you will often hear a sigh of relief as they realize they have found a solution they can accept.

Simply put, Dual will let you help more people. Young and old, users and non-users, everyday people and even rock stars are drawn to Dual's unique design. Dual helps you take the focus off the problem and onto the solution.

And exceeds expectations

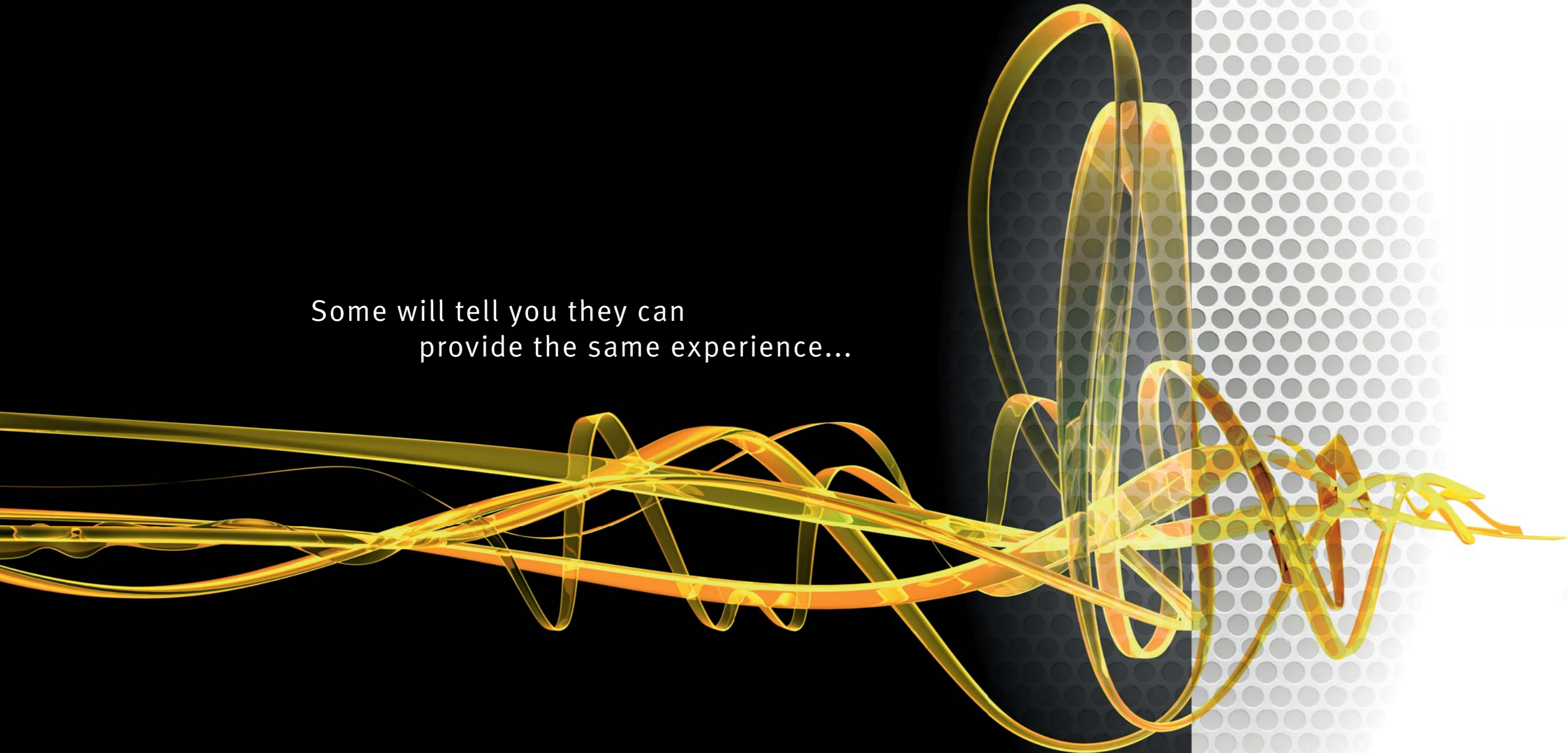
Dual delivers a reproduction of sound unmatched by any other hearing device. The RISE platform provides fantastic sound quality and a spatial awareness that is only found in instruments with binaural processing.

Dual is also available with an optional Streamer. This small device allows the wireless transmission of signals directly to the hearing devices. When linked to a mobile phone or television set, the Streamer can transform what once was a major frustration of hearing aid users back into a normal everyday activity.

Dual's triangular shell is based on an iconic hearing device design which has proven to attract new users at a rate almost twice the industry average.



Some will tell you they can
provide the same experience...



Users will tell you Dual is one of a kind

A better total experience

Real benefits for real users. That is the user experience Dual delivers. Dual was built from the ground up with the client's everyday needs as a priority.

- Confidence you can see, with a hearing device that is nearly invisible and fully automatic.
- A beautiful design sparks interest and opens minds.
- A sound experience like no other based on advanced sound processing technologies that optimize SNR in all situations.
- Enhanced reliability from a robust construction and new nanocoating that blocks moisture and reduces battery corrosion.
- Dual virtually eliminates feedback with the new and improved dynamic feedback cancellation system (DFC2).
- Change batteries less often. Power saving technology gives your patients less hassles by providing up to 160 hrs of battery life with a standard 312 battery.
- Dual automatically switches to dedicated phone programs with AutoPhone.
- Patients can use their mobile phones and enjoy the TV. Pair everyday devices with Streamer and feed input directly into the instruments with the touch of a button.
- No cords required. Wireless programming streamlines and improves the fitting process.

Improve the patient's journey

- Lower resistance
- Instill confidence
- Better reliability
- Less hassle
- Expanded utility

Some want you to believe design is how things look...



Users will tell you design is how things work

Dual works just like a modern hearing device should,
only better!



Help users overcome the difficult hurdles in their hearing world. From the moment you introduce your clients to Dual, they will be relaxed by its “non-traditional” design and “wowed” by its clear and natural sound.



In the most difficult situations is where Dual shines the brightest. Dual’s binaural processing delivers Spatial Sound, helping users locate sound sources and filter competing noises.

Restaurants and meeting rooms can once again be entered with the confidence that comes from fantastic speech understanding.



Pair Dual with a Streamer to wirelessly reconnect your clients to the “normalcy” that they seek. Mobile phone use becomes second nature and TV viewing can once again be enjoyed with the whole family.

Some want you to believe natural hearing is out of reach...

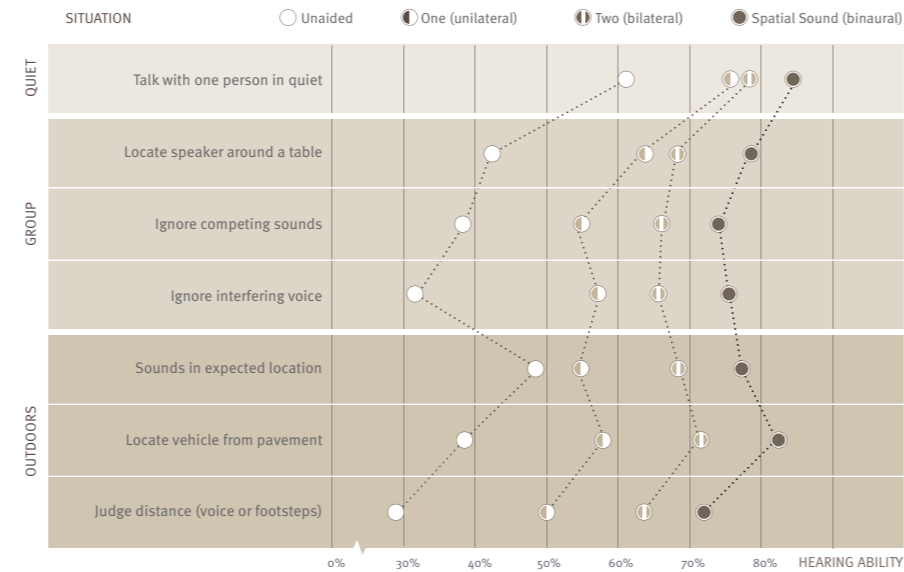


Users will tell you differently

Everybody talks about natural hearing

For years we have stayed away from terms like “natural hearing” for fear of over promising. Now, with our binaural processing system, we find users describing their experiences to us with these exact words.

This “natural hearing” is what sets Dual apart from other hearing devices. Dual’s amplification scheme allows the user to distinguish subtle differences in sound intensities and the direction of sound origins. The user can therefore easily prioritize and distinguish the layers of sound that they are surrounded by. The return of this spatial awareness is the key to the extraordinary experience you will deliver when providing a pair of Dual instruments.



Studies show that patients experiencing Spatial Sound perform significantly better than with monaural or bilaterally fitted hearing devices.

We call it Spatial Sound

Dual’s unique sound processing employs constant communication between instruments. The resulting sense of spatial awareness is what we call Spatial Sound.

1. RISE architecture

Dual is powered by the RISE platform. This technology was designed to provide extended bandwidth, fast reacting automatics and continuous broadband communication between the two instruments. The result is an unmatched sound quality and true binaural sound processing.

2. Binaural real-time compression


Dual is the only instrument of its kind to balance compression systems across ears. This preserves both the interaural time and level differences, improving orientation skills and speech understanding.

3. Extended bandwidth

Access to high frequency information is another vital feature of Dual’s ability to give users Spatial Sound. Operating at up to 10 kHz, Dual covers the existing range of speech information, and also reproduces vital high frequency localisation cues.

4. RITE

Outstanding acoustics and fidelity are delivered by eliminating any potential spatial cue distortion attributed to standard tube and thin tube solutions.

An abstract graphic consisting of numerous overlapping, flowing teal ribbons that create a sense of movement and complexity. The ribbons are semi-transparent and have a slight sheen, giving them a three-dimensional appearance. They originate from the left side of the frame and spread out towards the right, with some ribbons forming loops and others remaining straight. The background is dark, with a subtle pattern of small, light-colored circles on the left side.

Some want you to believe
connectivity is for young people...

Users will tell you that age is a state of mind

Now streaming comes of age

User friendly innovation puts people first. Enjoying the evening news at a normal level. Picking up the phone without the fear of embarrassment. That is what users are asking for. Streamer can give that to them and more. Your patients can wirelessly connect Dual to their television, home phone or mobile with the touch of a button. The signal is instantly transmitted directly to both ears and reconnects the user to another key aspect of normal hearing.

Some users ask for a little more control... so give it to them!

The Oticon Streamer can also function as a remote control for the Dual devices. Users can adjust the volume, switch to the phonecoil, or select up to four different listening programs.

Oticon Streamer, adding confidence and satisfaction with just the push of a button.



Take the next step in connectivity

Streamer wirelessly connects your patients to:

- TV's
- Home phones
- Mobile phones
- Music players
- Computers

Some want you to believe that one size fits all...

Users will tell you that
"I'm not all, I'm me"

Because clients are individuals, diversity is necessary. Dual offers two distinct series of hearing instruments, each with multiple performance variants.

Oticon ♦ Dual

One Family

Two Series

Connect Series

Dual Pro

Dual V

Dual W

Dual XW

Small in size,
big in range

Connect Series - The power of the most sophisticated auditory processor - times two. Binaurally fit units work together, synchronizing Dual's multiple sound clarifying systems to deliver the next level in performance, which is what experienced users are constantly looking for. Then, show them more than they thought was possible by adding Streamer to wirelessly connect to mobile phones and TV.

Mini Series - Just what reluctant users are hoping for. Small and discreet, yet fully loaded with the latest advances in sound quality, adaptive directionality, noise-reduction and more. Dual is more than capable of changing perspectives of hearing devices and transforming the lives of your patients.

Dual m5

Dual m7

Dual m9

Mini Series

It's not all magic...

Some of it is pure science

Spatial Sound

The first true binaural system is implemented with a pair of binaurally fit Dual XW's. The instruments share the task of compression and coordinate automatic features to deliver sound to the user's brain in the most natural way possible.

Bandwidth

With up to 10kHz of bandwidth, Dual provides the high frequency cues necessary to localize sound and presents a fuller sound picture.

AutoPhone

Dual automatically switches to a phone program for easy phone compatibility.

Multiband Adaptive Directionality

Simultaneously cancels multiple noise sources for better hearing in noisy environments.

TriState Noise Management

This intelligent noise management system uses a patented speech detection system to determine if, how and when noise reduction should be applied.

Binaural DFC

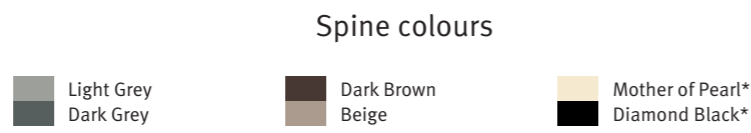
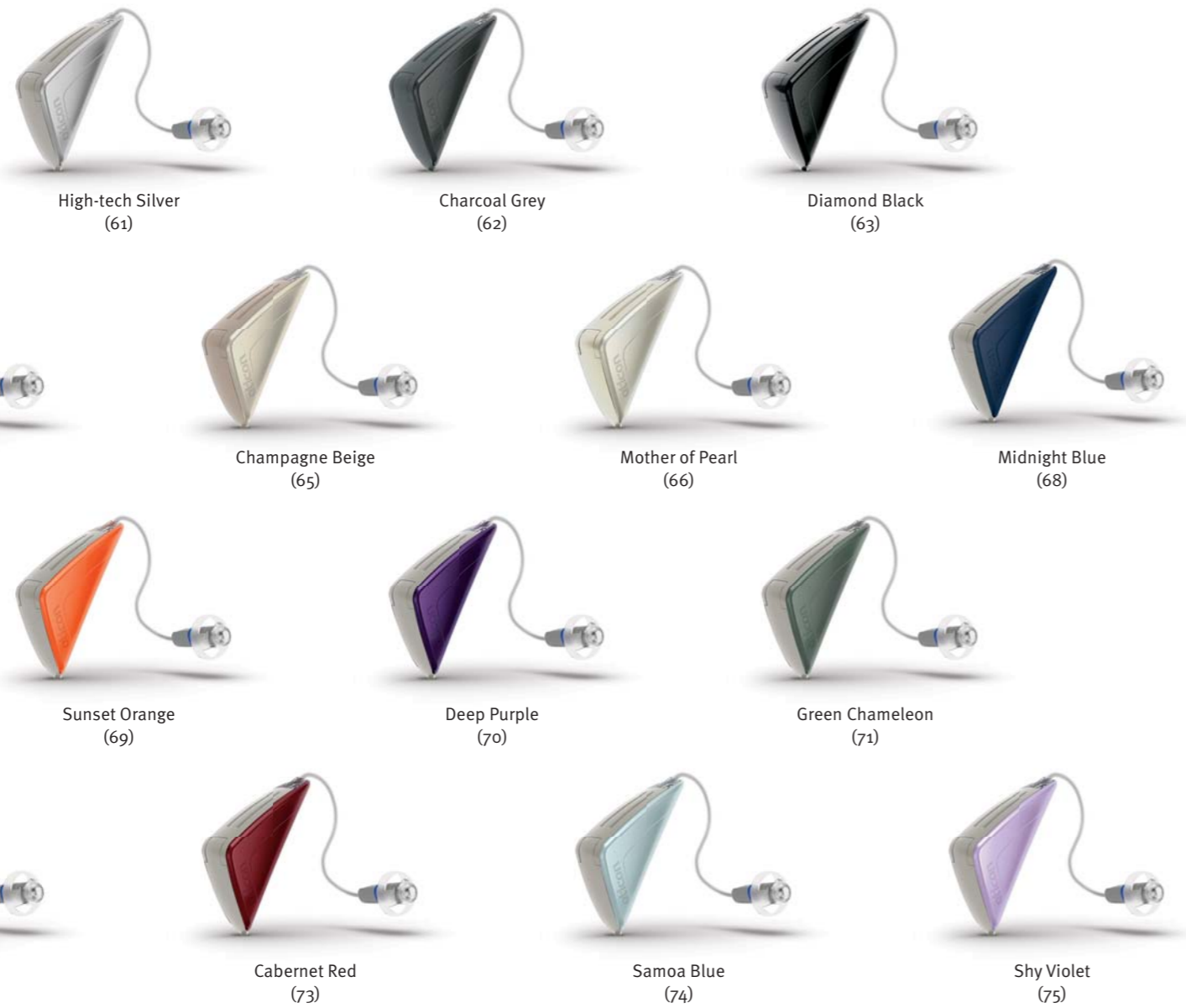
Dual utilizes Oticon's binaural capabilities to maximize the effectiveness of Dual's dynamic feedback cancelation system.

My Voice

Dual recognizes the wearers own voice and adjusts so not to falsely "overcompress" the speech signal.



Oticon Dual at a glance

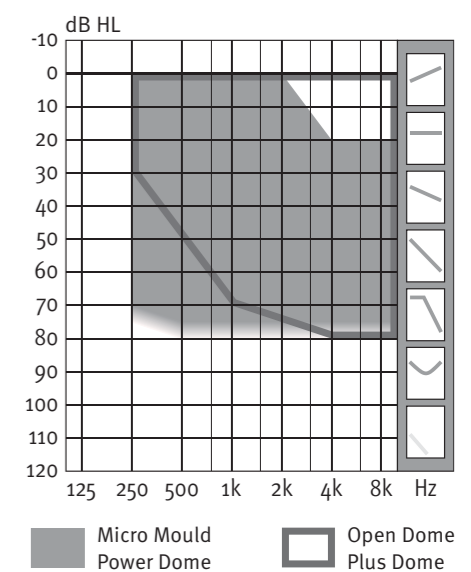


* Connect Series only

Styles



Fitting Range



Features

FEATURES	CONNECT SERIES				MINI SERIES		
	Dual XW	Dual W	Dual V	Dual Pro	Dual m9	Dual m7	Dual m5
Product							
Advanced Binaural Processing	✓	-	-	-	-	-	-
Binaural Synchronization	✓	✓	-	-	-	-	-
Binaural Coordination	✓	✓	✓	-	-	-	-
Binaural DFC	✓	✓	✓	-	-	-	-
My Voice	✓	-	-	-	-	-	-
Streamer	Optional	Optional	Optional	-	-	-	-
Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz	10 kHz	8 kHz	8 kHz
Fitting Bands	10	8	6	6	10	8	6
Adaptive Directionality	Multiband	Multiband	Singleband	Singleband	Multiband	Multiband	Singleband
Noise Management	TriState	TriState	Two state	Two state	TriState	TriState	Two state
Front Focus	✓	✓	✓	✓	✓	✓	✓
VAC/Clarity2 Rationales	✓	✓	✓	✓	✓	✓	✓
DFC2	✓	✓	✓	✓	✓	✓	✓
Memory/Datalogging	✓	✓	✓	✓	✓	✓	✓
Phonocoil	✓	✓	✓	✓	✓	✓	✓
AutoPhone	✓	✓	✓	✓	✓	✓	✓
Nanocoating	✓	✓	✓	✓	✓	✓	✓
Wind Noise Suppression	✓	✓	✓	✓	✓	✓	✓
Identities	5	5	3	3	5	5	3
Battery Size (hours)	312 (up to 160)	312 (up to 160)	312 (up to 160)	312 (up to 160)	10 (up to 105)	10 (up to 105)	10 (up to 105)

✓ = Yes - = No



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People First

We believe that it takes more than technology and audiology to create the best hearing instruments. That's why we put the individual needs and wishes of people with hearing loss first in our development of new hearing care solutions.

oticon
PEOPLE FIRST