



Supero™ – designed for Power

PHONAK
hearing systems

Consumer
information



Dominik Holenstein:

"From the very beginning, the sound was pleasantly three-dimensional." 4



Elfriede Conc:

"Supero is a genuine enrichment for us hearingcare professionals." 6



Short Technical Information:

Power Design 8
Power Processing 8
Power Communication 10
Power Fitting 11



Greet Penneman:

"With Supero I have discovered many new sounds that I've never heard before." 12



Pia Sauder:

"Now, I have the courage to attend a concert again." 14

Supero™ – designed for Power

Supero by Phonak is the only digital hearing computer specifically designed to make a real difference to the lives of people with a significant hearing loss.

Phonak's commitment to developing a new power digital hearing system has its foundations in three key areas of expertise – the design and production of high gain instruments, the application of innovative digital solutions and the development of highly effective wireless communication systems. This powerful combination of know-how has led to a uniquely effective product line – Supero.

The word on Supero is spreading fast. The first users already are talking about the benefits Supero has brought them. We have put together a small selection of their impressions to share with you.



Dominik Holenstein, 32, Switzerland
Screen communicator/multimedia project manager

“From the very beginning, the
sound was
pleasantly
three-dimensional.”

can hear noise exactly where it happens. There's no jumble, no avalanche of sounds. My ears didn't even hurt when I was standing on Zurich's Bahnhofstrasse and tram No. 7 roared past.



Although Supero is among the bigger instruments, I have no problems wearing it, even for people like me who need glasses.

The noise suppression feature works very well, particularly in traffic situations. Sometimes, human voices are a bit too soft.

“ When I left the audiologist after the first Supero fitting, I was afraid to venture out into the noisy city, as always when I get new hearing instruments. Usually, the new sound is very unfamiliar and artificial, and the urban noise is painful. And often, the new instruments aren't ideally adjusted after the first fitting session. Things were different with the Supero instruments. The sound was pleasantly three-dimensional from the very beginning, and I

I like the way the Supero sounds. Human voices are pleasant, not brassy or shrill as with other instruments. Listening to music is a sheer delight – even in the basic program setting, it sounds very spatial, rich, and warm. The bass has a lot of volume. Supero hearing instruments do away with soupy sounds. ”



Elfriede Conc, 47, Austria
Hearingcare professional – for 29 years

“Supero™ is a genuine
enrichment for
us hearingcare
professionals.”

“ For me as an audiologist, the most important thing is satisfied customers with an optimized fit. So far, hearing instruments for people with profound hearing loss were just loud. Supero has a lot of power, too, but it offers much more. So Supero is a long-awaited enrichment for us hearingcare professionals.

Supero's tremendous versatility helps me fit the instrument

precisely to the needs of my customers. The digital multi-mode signal processing strategies allow me and the customer to optimize the quality of the sound. With Supero, I can even accommodate the needs of post-fitting customers who have been using hearing instruments for a long time and therefore know exactly what they want. My experience has been positive, since customers spontaneously praise the sound quality.

In the past, I have often reached the limits with powerful hearing instruments as regards feedback. With Supero's dual feedback control feature, this annoying phenomenon can be better suppressed.

A snug and comfortable fit and convenient operation are important for hearing instrument users who wear their instruments all day. Supero's cases are slender and they fit well. Even people who wear glasses like them. ”

Power Design

Unique digital design

High-tech digital technology is only the starting point – its intelligent implementation into an effective communication system is what really counts. For Supero, Phonak has created a digital chip that was designed specifically to make the most of your hearing, however limited. The result is the effective amplification of a wider range of sounds, providing optimum audibility. Supero is configured to meet your individual needs and tastes, using the latest expert fitting software. You are unique – so is every Supero hearing instrument.



The Supero chip is specially designed for power applications.



The silicone lining on the housing, applied by using a special dual-component spraying method, effectively protects the instrument's components from external influences.

Built to last

Power instrument wearers rely on excellent performance, all of the time. Communication systems must therefore resist the hazards of daily life. Supero's strong housing has a patented silicone lining which resists moisture and debris. The robust frame construction and specially packaged electronic components reduce internal feedback (whistling) caused by vibration.

Power Processing

Tailor-made flexibility

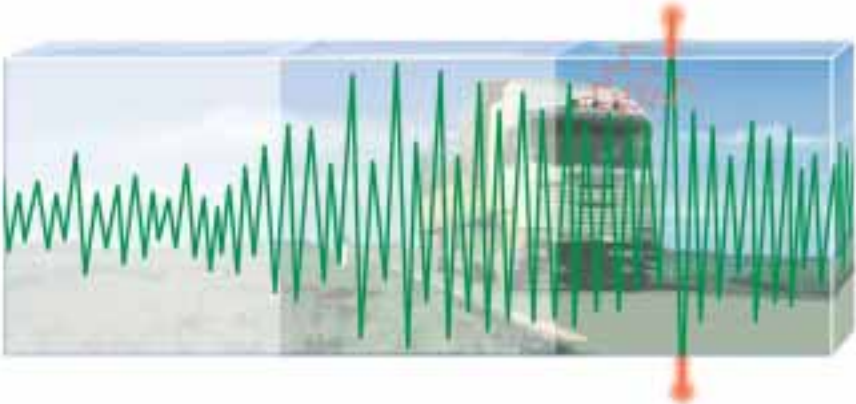
A hearing instrument for people with severe to profound hearing loss must be versatile. In Supero, flexibility is top of the agenda.

Sophisticated multi-channel processing means Supero can be configured accurately to match your specific hearing loss. In addition, a choice of signal processing strategies offers a unique combination of possibilities to ensure the right performance for all special listening needs. This means appropriate amplification precisely where you need it, when you need it. The requirements for hearing well in quiet environments, in noise or while listening to music vary enormously. For this reason Phonak has designed Supero to allow a choice of different listening programs. Each of these programs is individually configured to optimize a specific

situation (e.g. noise or music). You can switch between programs, depending on the circumstances, either manually or via a range of convenient remote controls. There is no better way to enjoy the wealth of listening experiences around us.

All-round audibility

Sometimes a power hearing instrument can make loud sounds too loud, while soft sounds are just too quiet. The Power Dynamic Control feature in Supero instantly and intelligently activates the appropriate level of amplification for each sound across a wide spectrum. This means all-round audibility and natural sound quality.



Adaptation of the amplification level in quiet and moderately noisy environments for optimum hearing comfort.

In the presence of loud to very loud sounds, Supero reacts quickly and optimally adapts its amplification level (e.g. in traffic).

In order to protect the hearing system from sudden, extremely loud sounds, Supero responds without delay and limits the amplification instantaneously (e.g. for a car horn).

Power Communication

Communication in noise

Understanding in noise is a challenge for anyone – a hearing loss makes these situations even more challenging. For noisy environments the Supero range provides a variety of effective solutions that allow you to participate, no matter what. The multi-channel digital Noise Canceler has an intelligent algorithm (sophisticated digital computing) that recognizes the presence of a speech signal in background noise. The noise levels are reduced and the speech

remains audible. The benefit for you is comfortable communication in every social situation. The ultimate solution for hearing in noise is the use of wireless technology, also known as FM. The latest FM systems from Phonak, used with Supero, represent an unbeatable communication package. A special, highly miniaturized FM receiver simply clicks onto the Supero instrument. A transmitter/microphone (hand held or given to the speaker) picks-up speech and transmits it directly to the hearing instrument. The effect is the equivalent of speaking directly into the ear. FM systems overcome the obstacles of noise,



SoundPilot – is a handy remote control, ergonomically designed and easy to use.



WatchPilot – for discreet and convenient operation of your Supero – by remote-control.

distance and echo (e.g. in large, noisy rooms). The result is excellent communication in situations where it would otherwise be impossible. FM systems are ideal for use at home, work or during leisure activities, for people of all ages. Hearing is believing when it comes to this cutting edge communication technology.

Power Fitting

Getting the most out of your Supero involves strong teamwork with your hearingcare professional. Phonak provides a range of software tools to facilitate accurate fittings, quickly and successfully. Contact your hearingcare professional to make an appointment and see what Supero and FM can do for you.



Supero with FM the unbeatable communication package.



Greet Penneman, 24, Belgium
Student at Ghent University working towards a PhD in Chemistry

“With **Supero** I have
discovered many **new**
sounds that
I’ve never heard before.”

Of course, there are some sounds like traffic noise or the sound of the ventilator of my computer that should not be too loud. Supero seems to know the difference between what I want to hear and what I don't.



I am also very impressed with the sound quality of my Superos. They just sound so natural and extremely clear. I had tested four hearing aids before Supero and not one of them really satisfied

me. I'm so glad that I was able to try Supero, it really fulfills all my requirements. Even the battery life of Supero is the best. For me it makes a really big difference if batteries last for three whole weeks, instead of only five days.

“ Although my hearing loss was not discovered until I was 2 years old I have probably been profoundly hearing impaired from birth. I have worn hearing instruments for as long as I can remember.

Now I wear Superos and I have discovered many new sounds that I've never heard before. I can hear children playing outside or a dog barking, which was simply not possible with my old hearing aids.



Pia Sauder, 56, Switzerland
Social educator, kindergarten teacher, home supervisor

“Now, I have the
courage to attend
a concert again.”

personally, Supero is simply ingenious!

In comparison with my previous hearing aid, I can now move around with confidence in noisy surroundings. Supero has a program that shifts annoying sounds to the background so you can communicate better. I can even talk on the telephone and hear the doorbell ringing at the same time.



Supero has changed my life dramatically. Finally, I can enjoy music again. Previously, I was only able to sense the vibrations.

“ My hearing impairment began when I had tuberculosis at the age of 4. In 1996, I suffered a skull fracture and since then, my hearing loss has been profound; I'm completely deaf in my right ear.

Now I can also hear the softer passages. With Supero, I even heard the bass for the first time. Now, I have the courage to attend a concert again. ”

Of course, even the very best hearing instruments cannot fully restore hearing, but for me, the improvement with Supero is another milestone on the way to better hearing. For me

Supero™ – designed to:

- Offer unrivalled power while ensuring audibility.
- Facilitate communication, even in difficult situations.
- Provide reliable performance in all situations, all of the time.
- Bring superior fitting solutions for adults and children.

