

It's time for the right ear to say hello to the left ear.



Product Guide for Hearing Professionals

ACURIS™ with e2e wireless™

Finally, hearing instruments that talk to each other.

Siemens Hearing Instruments

SIEMENS

Introducing the natural integration of two hearing instruments into one holistic system.

Introducing ACURIS™ with e2e wireless™. Our proprietary wireless technology enables — for the first time — two hearing instruments to not only communicate with each other, but actually function as one binaural hearing system. Creating a level of synchronization just not possible before. ACURIS with e2e wireless senses, analyzes, interprets, shares, and adjusts continuously and automatically. Leading to optimal hearing in any environment. And a new level of simplicity, ease, and comfort. ACURIS with e2e wireless. It will seamlessly encircle the wearer with revolutionary performance. What could be more natural?



Siemens proprietary e2e wireless technology is standard in all ACURIS models. From Power BTEs to Micro-CICs. Thanks to its ultra small, ultra low power design, it's one of the smallest wireless communication systems of its kind in the world.

Always in sync.

Binaural fittings have always held great promise for individuals with hearing loss. For improved speech understanding, localization ability, and sound quality. Not to mention greater comfort in hearing. Yet until now, binaural fittings have meant two separate hearing instruments, each working independently of the other. The real power of binaural — two instruments performing as one — was still somewhere in the future.

The future is here. ACURIS with e2e wireless makes the true potential of binaural fittings a reality; two hearing instruments working together as a single, unified system. Literally communicating information between them. Always in sync.

Now, with ACURIS, both instruments exchange vital information while assessing an acoustic situation, then make instantaneous decisions regarding signal processing. Both instruments transition between omnidirectional and directional microphone mode, automatically and simultaneously, as required by the situation. And both instruments adapt their speech and noise management setting at exactly the same time to just the right level.

This is the revolution that ACURIS with e2e wireless has made possible. Independence is good. But when it comes to binaural fittings, working together is even better.

easy
2
embrace

Approximately 80% of individuals with hearing loss have a loss in both ears. Only ACURIS with e2e wireless automatically synchronizes the processing between two hearing instruments.





e2e wireless technology makes it possible to control the entire binaural system with just one control for volume and one push button for program selection. This means smaller and more discreet instruments can be built. A plus for many wearers.



Touch one. Control both.

It's that simple. That ingenious. Binaural fittings should work as one system. Not only should all information be communicated automatically between hearing instruments, but the controls themselves should be just as straightforward and automatic. With e2e wireless technology, they are.

With just a single touch, the wearer can control volume or program for both hearing instruments at once. Press the program button on one hearing instrument and the program will change simultaneously on both sides. Volume control, same thing. No more adjusting, balancing, and tinkering with one hearing instrument — then the other — to get both aligned. ACURIS with e2e wireless makes binaural fittings and their operation unobtrusive, immediate, discreet, and easy.

The benefits are significant. For those with dexterity problems or decreased touch sensitivity, ACURIS' binaural controls require significantly less effort for the wearer. You no longer need to operate controls on two hearing instruments. On custom instruments the volume control can be on one side and the program button on the other. This makes it easy to distinguish one control from the other, as well as from other components on the instrument.

The binaural volume control of ACURIS assures that the loudness balance is always correct within the hearing system. Binaural volume control also maximizes localization ability, reducing the chances of errors that can come from mismatched gain levels in two separate hearing instruments. When trying to localize sound, this is key.

ACURIS with e2e wireless. After all, life can be a handful. Hearing instruments shouldn't be.

easy **2** enable

ACURIS with e2e wireless enables a whole new level of comfort and ease of use. With its single button control, automatic synchronization, and continuous exchange of information, it's redefining the concept of being in complete control.



The ACURIS family of hearing instruments with e2e wireless and leading-edge functionality are remarkably sensitive as well as comfortable to wear.

Advanced Functionality. Total Flexibility.

As they say, the whole is greater than the sum of its parts. Which is why every function, every part of ACURIS with e2e wireless has been designed to give wearers and Hearing Care Professionals more than what's ever been possible before. All in one hearing system.

Our goal was to ensure that the end result was remarkable performance, across every measure, for individuals with hearing loss. Clearly, wireless functionality is a quantum leap forward in hearing systems. But there's more to ACURIS. Much more. With its superior Feedback Cancellation System,

High Performance Directional Microphone System, and 2nd Generation TriMic™ Directional System, ACURIS offers the kind of leading-edge digital sophistication that puts it in a category of its own.

For wearers it will mean significantly improved wearing comfort, sound quality, and speech intelligibility. The cumulative effect? An exceptional listening experience.

easy
2
enjoy

This kind of trendsetting technology is the result of years of researching, refining, innovating, and listening to what really matters to both Hearing Care Professionals and people with hearing loss.

The best of everything.

Feedback Cancellation System

Feedback, if it's even just a millisecond, is too long. By constantly analyzing incoming signals, ACURIS quickly and continuously reacts to avoid any perception of feedback. Guaranteeing excellent sound quality even at maximum gain. This high-speed system adapts remarkably fast to any changes in the feedback path —

for example, during phone usage. At the same time, ACURIS avoids unnecessary cancellation of external signals like music or microwave beeps. It's ideal for open fitting resulting in less occlusion. And with its less than 50µA current consumption, the feedback cancellation system in ACURIS greatly minimizes energy usage. The high-speed feedback cancellation system for ACURIS accurately eliminates feedback, with no impact on gain (as shown in Figure 1). This phase cancellation system preserves critical high frequency amplification which is so important for speech understanding.

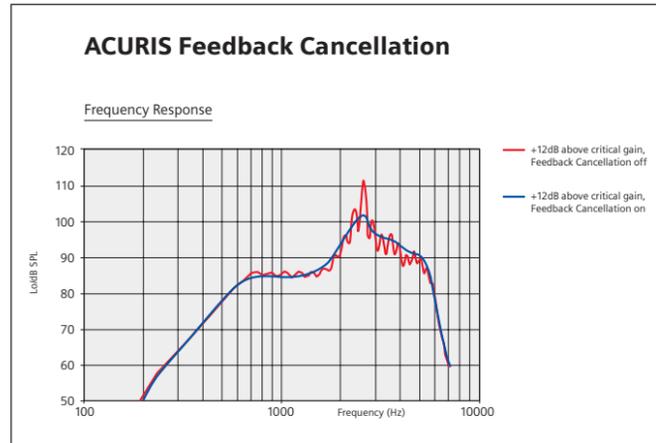


Figure 1

High performance directional microphone system

For individuals with hearing loss, the ability to understand speech in the presence of competing noises is crucial to a better hearing experience. This is something ACURIS optimizes to the max. By automatically transitioning between omnidirectional and directional microphone mode, as appropriate, ACURIS enables unsurpassed directivity in any given environment.

Through its multi-channel adaptive microphones, ACURIS also allows for independent attenuation of up to **four** different noise sources simultaneously. In addition, it offers maximum signal to noise ratio, resulting in superb speech intelligibility and listening comfort. As well as fast adaptation for moving noise sources, like cars or other moving signals.

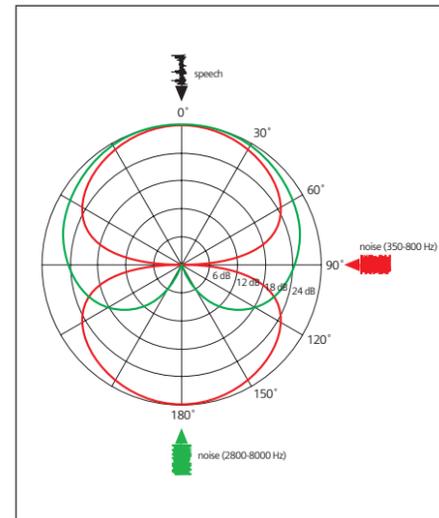


Figure 2

The ACURIS multi-channel adaptive microphones intelligently identify noise in up to four separate frequency areas to provide optimal reduction of many unwanted signals in challenging environments. The four areas are 0–350 Hz; 350–800 Hz; 800–2,800 Hz; and 2,800–8,000 Hz. Two noise sources are shown in Figure 2: vacuum cleaner — 350–800 Hz; hair dryer — 2,800–8,000 Hz.

ePocket™

Another in a long line of firsts.



It simply makes sense. The optional ePocket is the industry's first bi-directional remote control with readout function. Think of the possibilities. Now a wearer can control both volume and program selection for any ACURIS hearing system. At the same time, a wearer has readout capability for volume setting, program number, and battery status right at his or her fingertips. And unique to the hearing instruments industry, with ePocket even Micro-CIC wearers can enjoy the convenience of both volume control and additional memories. Without any physical controls on the hearing instrument. Small, discreet, and user-friendly, ePocket makes things so much more accessible. In particular for pediatric fittings. A parent, teacher, or other caregiver can now more easily check the status of the volume, program, and battery for a young child wearing hearing instruments.

2nd Generation TriMic™ Directional System — ACURIS P

It's a whole new level of flexibility and performance. ACURIS P BTE (see Figure 3) with its level dependent directivity offers optimal directional advantage. In any situation, the system:

- Chooses omnidirectional mode to hear from all directions in a quiet situation.
- Chooses TwinMic™ mode for optimized directivity in low noise environments.
- Chooses TriMic™ mode for maximum directivity in very high noise environments.

Our 2nd generation TriMic also offers high acoustic stability with improved reduction of wind noise and reduced sensitivity to touch.

A digital foundation to take you into the future

To us, advanced also means extremely comprehensive. Indeed, ACURIS offers all of the state-of-the-art digital functions you'd expect from the industry's leading-edge product. Including a 16 channel compression system. Automatic noise reduction, and speech enhancement in 16 channels. Automatic situation detection, including accurate detection of music. And many features that will greatly enhance wearer comfort and ease of use like alerting beeps, power on delay, an on/off option via push button, and wind noise suppression.



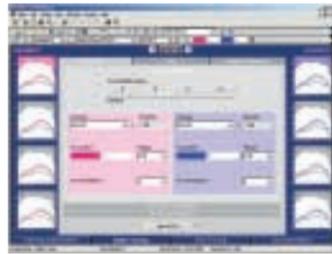
Figure 3

ACURIS P: Full-featured BTE with TriMic and e2e wireless. (view of internal components)



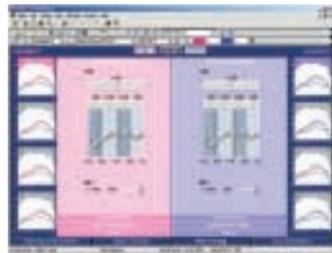
CONNEXX™ 5. The next level in fitting confidence.

CONNEXX 5. It's programming software, designed especially for binaural fittings and the ACURIS product family. CONNEXX 5 will greatly optimize your workflow and help you deliver the most accurate, comfortable, and successful fitting. Developed to fully support binaural fittings, CONNEXX 5 incorporates exceptional flexibility with the efficiency of a workflow-oriented approach. Unique aspects of its programming, such as Parameter Coupling and Binaural and Program Link, are the perfect match for ACURIS binaural fittings. Enabling fittings to go smoothly and simply with binaural adjustment of controls and binaural program selection. Any parameter changes you make on one side can be automatically applied to the other side. After all, there's much to be said for working together.



Faster navigation through workflow orientation.

Even for those new to CONNEXX, its clear and logical navigation means reduced learning time. You'll be up and fitting in no time. The program will walk you through Hearing Instrument selection for fitting or simulation. Basic-tuning for FirstFit™ basic modifications and program selection. Fine-tuning for detailed access to parameters. And finally, documentation for the fitting report. Seamless. Simple. Very smart.



Access to curves and parameters. Whenever and wherever.

Whether it's a basic fitting need or something more complex where you need detailed access to all parameters of the instrument, CONNEXX 5 enables you to flexibly, simply, and quickly make adjustments.



Usability design for fitting and counseling.

With CONNEXX 5 you can easily keep your patient in the loop during the fitting. Images and fitting ranges can be shown and enlarged as needed. CONNEXX 5's Drag & Drop simplicity means you can instantly copy or exchange programs between instruments or within the same instrument, for easy customization based on your patients' preferences.

Always by your side.

At Siemens, we think of innovation as being more than just the development of the newest, most exciting technology. We also think of innovation from the perspective of customer service. How can we best support our customers' needs? How can we deliver top-notch service across every aspect of our relationship? How can we help our customers stay ahead of the curve? From comprehensive training to customer support, we work hard to deliver service that's just as innovative as any of our products. Of course, you can expect our sales representatives and technical support to be available to assist you as needed. But we do a lot more, too. Here are just a few of the other ways we'll help you fit and market the new ACURIS line.

Marketing services

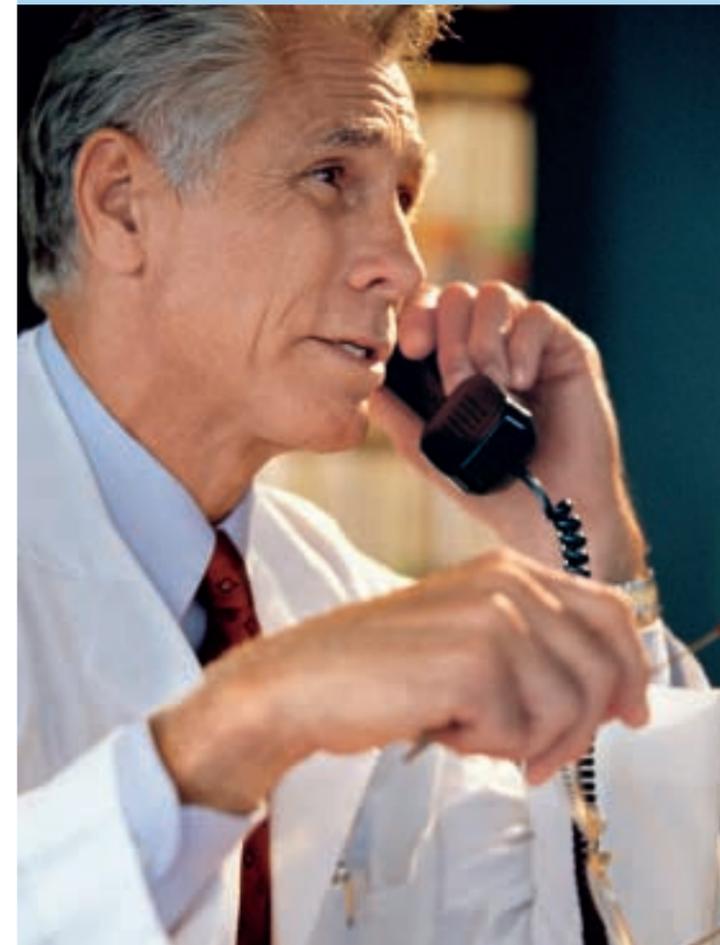
We offer advertising and marketing support to help you promote ACURIS or any other Siemens hearing instrument. Including in-office sales support, newspaper ads, presentations, product brochures, direct mail, newspaper ad slicks for print advertising, posters, and brochure stands.

Support where you need it

Whether it's right in your office, by phone, or online, we'll support you in any way we can. For example, call us or visit us online if you need fitting assistance. If you have questions regarding new orders, repairs, or the processing of special orders, we'll be there to help. Our hotline is free and ready to be of service.

Fast turnaround time

With Siemens you'll enjoy fast and expeditious delivery time for new instruments, accessories, and repairs.



A system that's as easy for you as it is for the wearer.

Our goal is to support you with exactly what you need to broaden your capabilities and take patient care to the next level. Which is why we surround you with an array of programs, training, software, and innovations to help you do just that. The benefits are clear. More confidence and efficiency in fitting. Simple, user-friendly, intuitive tools. Flexibility of use. And, patients who feel good about the outcome and their choice of both hearing system and Hearing Care Professional.

The fact is, the technology behind hearing systems will continue to evolve, becoming more and more complex and sophisticated. Which is exciting. And something we're deeply committed to. At Siemens, we see a big part of our job as helping our partners, Hearing Care Professionals around the world, fully optimize the power of innovative hearing systems like ACURIS with e2e wireless.



easy

We listen, collaborate, and problem-solve with our many hearing care partners. It has helped us to understand what we need to meet and exceed the expectations of our customers.

educate

A family
of products
that redefines
what's
possible in
a hearing
system.

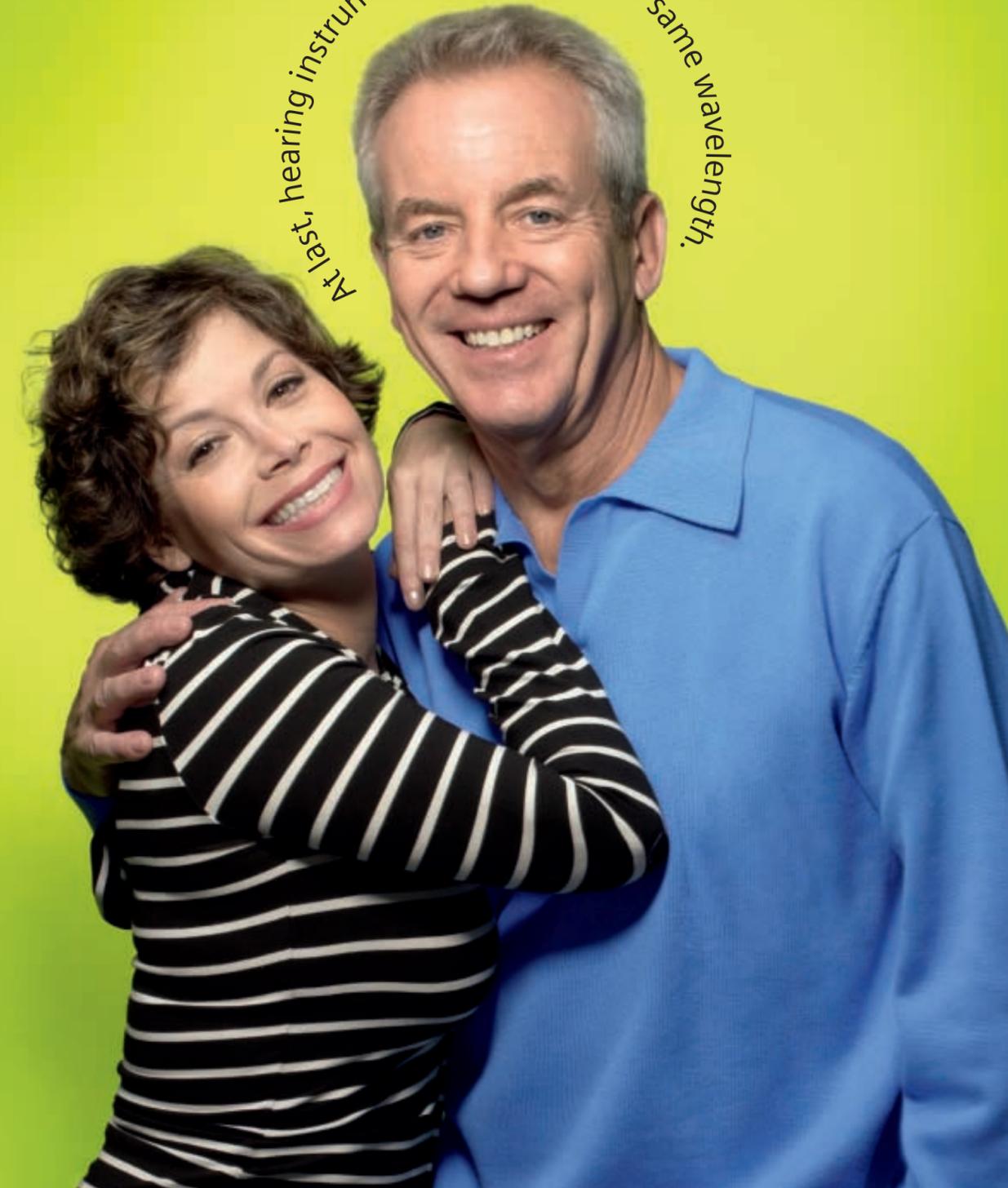
Hearing instruments so close they complete each other's thoughts.



Expanding the human experience through better hearing.

It goes beyond ordinary commitment. We are, in fact, passionate about our role in advancing hearing care around the world. For over 125 years, Siemens has been dedicated to constantly searching for ways to improve the quality of hearing, indeed the quality of life, for individuals with hearing loss. We understand the challenges, big and small, they face every day. Our single-minded focus on innovation has led to solutions that have made a difference in people's lives. Every aspect of the technology we develop has been meticulously considered to measure up to our standards as well as yours. Which is why we're so excited about ACURIS with e2e wireless. As the world's first integrated binaural hearing system, it will have a dramatic and positive impact on the comfort, ease of use, and total experience for hearing instrument wearers everywhere.

At last, hearing instruments that are on the same wavelength.



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This product is covered by one or more of the below-listed U.S. patents. Other U.S. and Foreign patents pending: 6,285,771; 5,878,147; 6,075,869; 6,151,399; 6,134,334; 5,524,056; 6,101,258; 5,915,031; 5,889,874; 5,875,254; 5,835,606; 5,835,606; 5,768,397; 5,717,771; 4,953,215; 4,947,433; 4,763,752; 4,739,512; 4,689,818; 5,912,977; 5,809,151; 5,799,095; 5,796,848; 5,754,661; 5,724,431; 5,717,770; 5,710,820; 5,706,351; 5,654,530; 5,636,285; 5,613,008; 5,606,621; 5,606,620; 5,604,812; 5,524,150; 5,515,443; 5,448,644; 5,404,408; 5,378,933; 5,210,803; 5,188,540; 4,987,597; 4,852,175; 4,845,757; 4,845,755; 4,815,140; 4,750,207; 5,708,720; 5,404,407; 5,341,433; 5,265,168; 4,710,961; 4,508,940; 5,912,977; 5,809,151; 5,799,095; 5,796,848; 5,754,661; 5,724,431; 5,717,770; 5,710,820; 5,706,351; 5,654,530; 5,636,285; 5,613,008; 5,606,621; 5,606,620; 5,604,812; 5,524,150; 5,515,443; 5,448,644; 5,404,408; 5,378,933; 5,210,803; 5,188,540; 4,987,597; 4,852,175; 4,845,757; 4,845,755; 4,815,140; 4,750,207.