

A Full Range Of Digital Hearing Solutions For A Successful Business

Digital Solutions From Bernafon

High-End

Mid-Range

Entry-Level



bernafon[®]
Innovative Hearing Solutions

The Comprehensive Digital Product Range

Bernafon has three new product families that cover all of your client's needs.

From a variety of products, you can choose the most suitable hearing system with regards to signal processing, user control options, audiogram configuration, cosmetic requirements, and price. With OASIS plus, our outstanding fitting software, fast and efficient fitting sessions are guaranteed. This is the foundation for overall satisfaction for you and your client.



A powerful partner for a successful business

The Bernafon group operates worldwide with a network of sales companies and independent distributors. Bernafon's headquarters are in Bern, Switzerland, where highly qualified professionals are in daily contact with clinicians, Hearing Care Professionals and clients around the globe. Together with the Bernafon sales companies, independent distributors market Bernafon products in over 50 countries.

Our research and development teams work closely with research centers all over the world – the most important is NAL (National Acoustic Laboratories) in Australia. With special consumer panels, field studies conducted with recognized leaders in the field of Audiology, and close collaboration with our main customers, our innovations are continuously adapting to the needs of the marketplace.

Three Innovative Digital Hearing Systems

Entry-Level

Mid-Range

High-End

flair

smile^{plus}

symbio

All hearing systems are programmed with one fitting software.

oasis^{plus}

The complete digital product range from Bernafon includes entry-level, mid-range and high-end solutions. With a complete product family at each level, Bernafon provides multiple benefits for you and your clients.

Easy fittings for you

- One fitting software for three product families – less learning time required
- Intuitive, easy-to-use software with client interactive tools
- A single earhook system for all BTE products
- Identical accessories for all Power BTE's
- One set of programming cables and 3 programming adapters for all products

A solution for every client

- CIC to Power BTE's available for each instrument family
- Variety of user controls available
- FM compatibility for Power BTE's and Super Power BTE's
- All product families suitable for children
- Three product families provide the flexibility to fit most hearing losses

Flair – Some Things Come Easily

Flair is Bernafon's digital entry-level solution, consisting of a complete family from CIC to Power BTE. Flair is the easy-to-fit, fully digital hearing system, which can accommodate most audiogram configurations and client needs.

Flair is a two channel hearing system with one listening program and convenient local controls for volume adjustment and switching between Microphone and T-coil modes. For difficult listening situations where distance, reverberation or background noise are an issue, Flair 110 BTE is compatible with audio equipment and FM systems.

As with all Bernafon digital hearing instruments, Flair is fit with OASIS plus, Bernafon's outstanding fitting software offering multiple features such as Client Experience Level, binaural views, efficient feedback management, and other powerful tools.



Flair is an entry-level digital solution that can easily satisfy your client's needs.

Client benefits:

Easy

Intuitive, fast and accurate fitting. Flair is programmed with OASIS plus, the common fitting tool for all Bernafon digital hearing instruments. Less time is spent learning new software tools.

Convenient handling concept

Ergonomically placed local controls make the instruments easy to operate. Flair can also be programmed as an automatic device.

Digital

Flair is a highly reliable hearing instrument family based on proven digital technology. This gives you the chance to upgrade your clients from conventional, or analog programmable instruments to a fully digital solution.

Excellent sound quality

Excellent sound quality and good speech intelligibility in a variety of listening situations.

For everyone

Available in a full range from CIC to power BTE, Flair covers most hearing losses. It is the affordable solution for a majority of hearing impaired people.

High quality at an affordable price

Flair is the right choice for all clients who are looking for an affordable and reliable high quality hearing solution.

The Easy, Digital Hearing Solution For Everyone



Entry-Level ■



Specifications

ITE instruments

BTE instruments

Max Full-on gain Peak [dB] (Earsim.)	48	59	63	71	60
Max Peak OSPL 90 [dB SPL] (Earsim.)	119	127	132	134	132
Switches	-	opt M/T	opt M/T	M/T/O	-
T-Coil	-	opt	opt	yes	-
Digital Loudness Control	-	rotary	rotary	rotary	-
Battery type	10	312	13	13	13
FM / DAI	-	-	-	yes	-

Instruments

F 400 CIC

F 321 ITC

F 200 ITE

F 110 BTE

F 100 BTE

Life Is Better With A Smile

Smile Plus is Bernafon's solution for the mid-range digital category. A complete instrument family from CIC to Super Power BTE, Smile Plus combines digital sound quality with exceptional versatility.

Smile Plus is a multi-channel digital hearing system that can be customized for use as a fully automatic device or adjusted via local controls. An optional remote control is also available for maximum user flexibility. Smile Plus offers two separate listening programs, along with dual

microphones. Selected instruments are compatible with ear-level FM systems. Smile Plus is fitted with OASIS plus, Bernafon's outstanding fitting software with tools such as Client Experience Level, In situ audiometry, 3D fine-tuning and feedback management.



Smile Plus is the highly flexible, mid-range hearing system with exceptional versatility in:

Speech understanding

Multiple listening programs can accommodate different environments. Dual Microphone technology for a better signal-to-noise ratio. Compatibility with ear-level FM receivers for an added advantage in noisy listening situations.

Product range

From the cosmetic CIC to the Super Power BTE, Smile Plus can successfully fit hearing losses from mild to profound.

User controls

Smile Plus offers a variety of user control configurations to meet each client's needs.

Fitting

With OASIS plus, a complete set of sophisticated but easy-to-use tools are at your disposal.

Client benefits:

High speech intelligibility

Smile Plus accomplishes this with the right combination of signal integrity and channel flexibility.

User control options

Smile Plus offers a unique user concept (automatic, local controls and optional remote control) for a completely individualized fit, including the set-up of user control parameters.

Best cosmetic solution

The Smile Plus 400 CIC is the only digital CIC on the market with remote control capability.

Very high listening comfort

With Smile Plus your client experiences an exceptionally crisp and clear digital sound quality.

**Versatility Defined – The Hearing Solution
To Meet Your Client’s Unique Needs.**



Mid-Range



The Smile Plus optional remote control (RC S) is an easy-to-use, ergonomically designed and reliable product for daily use.



Specifications

ITE instruments

BTE instruments

Max Full-on gain Peak [dB] (Earsim.)	48	55	59	59	58	63	63	83	69	71	60
Max Peak OSPL 90 [dB SPL] (Earsim.)	119	122	127	127	127	132	132	140	135	134	132
Switches	-	-	opt M/T opt P1/P2	opt M/T opt P1/P2	opt M/T opt P1/P2	opt M/T opt P1/P2	opt M/T opt P1/P2	M/T	P1/T/P2	M/T/0	-
T-Coil	-	-	opt	opt	opt	opt	opt	yes	yes	yes	yes
Remote control	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Digital Loudness Control	-	-	-	rotary	rotary	rotary	rotary	toggle	rotary	rotary	-
Battery type	10	312	312	312	312	13	13	675	13	13	13
FM / DAI	-	-	-	-	-	-	-	yes	yes	yes	-

Instruments

S+ 400 CIC

S+ 310 ITC

S+ 320 ITC

S+ 321 ITC

S+ 325 ITE DM

S+ 200 ITE

S+ 205 ITE DM

S+ 120 BTE

S+ 115 BTE DM

S+ 110 BTE

S+ 100 BTE

Symbio – The Most Precise Picture of Sound

Symbio is Bernafon’s solution for the high-end digital category. With a revolutionary signal processing strategy and fully automatic function, Symbio is the ultimate “set and forget” hearing instrument for your clients who ask for the best.

Symbio’s unique processor implements a proprietary Bernafon signal processing strategy developed in Bern, Switzerland. C.A.S.I. (Continuously Adaptive Speech Integrity) processes sound as one continuous entity, without splitting the signal into frequency channels. This unified signal processing maintains speech cues that occur naturally, while optimizing audibility.

C.A.S.I.’s revolutionary processing is a time domain strategy. It achieves maximum time resolution with a very short processing delay. Both gain and filter settings are updated 16,000 times per second throughout the frequency region. This is up to 100 times faster than other high-end digital hearing instruments. C.A.S.I. acts phonemically to process speech accurately. With up to 81 control points to adjust the gain throughout the entire frequency and input range, the flexibility of Symbio is unparalleled.



Symbio is the preferred high-end solution for both you and your clients

Client benefits:

Precise

With OASIS plus, fitting can be accomplished in a few mouse clicks. However, the precision and flexibility of C.A.S.I. can easily be accessed for further fine tuning. SoundLogic, the intelligent fitting tools in OASIS plus, provide the dispenser with the utmost flexibility and precision.

Speech in Focus in all listening environments

The C.A.S.I. processor follows the perceptually relevant elements of the signal, precisely. In addition, Symbio offers a choice of directional microphone instruments. The accurate amplification in Symbio will not over-amplify loud sounds or under-amplify soft sounds.

Fast

Symbio adapts instantly to changes in the sound environment providing precise amplification at all times. Symbio continuously adjusts to maintain the optimum balance of comfort and intelligibility.

Less whistling

Symbio’s Adaptive Feedback Canceller tackles the problem of whistling. This patented, advanced technology offers increased security against feedback in different situations.

Unique

81 control points allow precision tuning for virtually any hearing loss within the fitting range. Symbio can accurately meet non-linear fitting rational targets.

Easy to use

Symbio is the first truly automatic hearing instrument, seamlessly adapting to any incoming signal. Without the need for any volume control adjustments or program changes, Symbio is the ideal “set and forget” hearing instrument.

Precise. Fast. Unique. The Revolutionary Hearing Solution For Clients That Ask For The Best.



High-End



Specifications

ITE instruments

BTE instruments

Max Full-on gain Peak [dB] (Earsim.)	46	56	57	62	63	69	68	61
Max Peak OSPL 90 [dB SPL] (Earsim.)	117	122	125	126	129	135	135	131
Switches	-	opt M/T	M/D opt M/T	opt M/T	M/D opt M/T	M/D+M/T/O	M/T/O	-
T-Coil	-	opt	opt	opt	opt	yes	yes	-
Battery type	10	312	312	13	13	13	13	13
FM / DAI	-	-	-	-	-	yes	yes	-

Instruments

SY 400 CIC

SY 320 ITC

SY 325 ITE DM

SY 200 ITE

SY 205 ITE DM

SY 115 BTE DM

SY 110 BTE

SY 100 BTE

OASIS plus – The Intelligent Software Solution

Hearing instruments with advanced technology need an intelligent software platform. With OASIS plus, fitting sessions are fast and accurate. OASIS plus is an outstanding product with many intuitive tools such as a 3D display and interactive fine tuning for all Bernafon digital hearing instruments.

Easy and fast fittings for all digital products

Since OASIS plus fits all Bernafon programmable and digital hearing instruments, you do not need to select separate fitting modules to fit different instrument families. OASIS plus offers a unique 3D visualization and outstanding functionality. The software is intuitive and easy to learn. Minimal training is required to fit Bernafon's hearing systems.

All available NOAH data, including REM data can be used for maximum precision. Using new 32-bit technology, OASIS plus is fast, easy to use and stable.

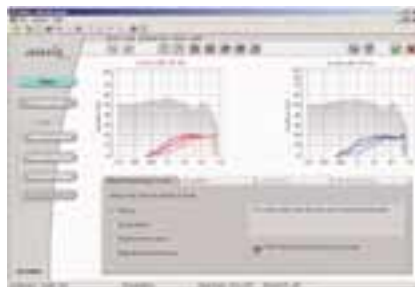


Only a few mouse clicks

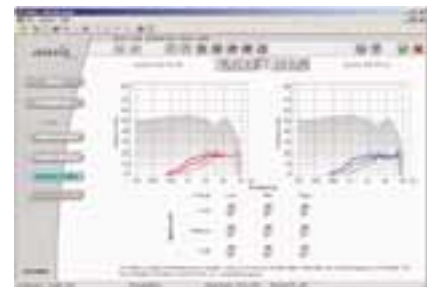
Bernafon digital hearing instruments can be fit with a few mouse clicks. The OASIS plus Start screen contains all necessary information for a successful first fit. For more fine tuning possibilities the technology within each hearing instrument can be easily accessed.

Graphical interface

A unique operating and visualization concept makes the fine tuning tools easy to learn and intuitive to work with. You can select between client interactive fitting assistance, meta trimmers, or more detailed control functions. A feedback manager screen for each hearing instrument type provides useful solutions for feedback problems.



The new acoustical model in OASIS plus provides an accurate first fit with a high rate of initial acceptance by the client.

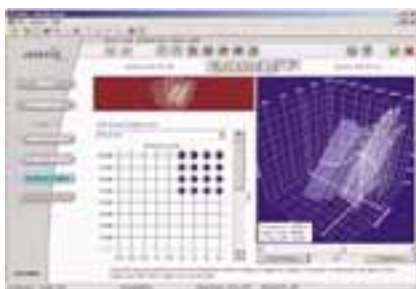


The OASIS plus meta trimmer screen provides easy and fast fine tuning. A set of 9 meta trimmers for Symbio (6 for Smile plus and Flair) is used to tune the frequency response for 3 different input levels.



Innovative 3D visualization

The 3D display is an innovation in digital hearing instrument programming. The screen shows the instrument response, combining frequency along with input and output levels in a 3 dimensional view. In this screen OASIS plus provides access to all available instrument parameters.



The 3D display offers direct access to all gain and compression parameters.

Interactive fine tuning

A selection of natural octave band filtered sounds supports the client interactive fitting tools. The instrument measures each sound's input level and indicates it on the screen.



Client interactive fine tuning assistance using examples of real world sounds is available for all Bernafon digital hearing instruments.

Bernafon provides a wide range of digital hearing systems that cover all of your client's needs. All hearing instruments are fit with OASIS plus – the single, intelligent fitting software for all Bernafon instruments.

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Innovative Hearing Solutions

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