enchant™

Instinctively Smart.

Product Information Guide
www.sonici.com

〙 SONIC
Everyday Sounds Better

Contents

Enchant.
Irresistible Intuition.

Call it a sixth sense. Or call it Enchant. The first Sonic instrument featuring the revolutionary SoundDNA platform, Enchant delivers natural sound in a brand new way. Smart sound processing, innovative features, and wireless capabilities — now in a full array of performance levels and styles.

Enchant Now Features:

Custom Models
Sonic purposefully designs custom hearing solutions that are stylish, attractive, and appealing. Now, there's even greater versatility when customizing features for In-the-Ear devices. More info on pages 15-16.

Performance Levels 100 to 20
Enchant 40|20 Performance Levels join existing Enchant 100|80|60 for a full range of technologies — select the perfect one for patient needs. Feature listings on page 20.

SoundClip-A Accessory
The wow of wireless stereo streaming! Works with Bluetooth® -compatible smartphones. More features on page 13.

Rechargeability with ZPower
All-day power — without interruption OR frequent battery charges. ZPower details on page 19.

What makes Enchant so special?

It starts with SoundDNA

The revolutionary SoundDNA platform from Sonic enables our most automatic, adaptive, and flexible hearing aid technology to date — and Enchant embraces it all. With fast performance and features that fascinate with both functionality and innovation, it's no wonder Enchant with SoundDNA enthralls professionals and patients alike.

The **SoundDNA** Platform includes features to satisfy every patient

SmartCompress: Configurable adaptive compression system for intelligent amplification in noise

SPiN Management: Expert Speech in Noise Management System

Dual-Radio System: Fast and direct wireless transmissions with low battery drain

Extended Dynamic Range: For clarity of loud speech

SPiN Directionality: Enhances sensitivity to sound via automatic directional microphone system

Binaural Noise Management: Balances hearing in noise wirelessly from side to side

SmartMusic: Greater enjoyment of live music

SPiN Noise Reduction: Reduces background noise with special Speech in Noise focus

Frequency Transfer: Shifts high-frequency input to frequencies with better hearing

Tinnitus SoundSupport: Customizable sound and amplification therapy

SPiN Engage: Optimizes the onset of directional and noise reduction technologies

IP Rating: IP68 protection from dust and water

Adaptation Manager: Gradually increases gain settings over time

Low Frequency Enhancement: Add low frequencies into direct audio stream

EXPRESS*fit* **Pro**

EXPRESS*fit* **Pro Software:** Features to speed and fine-tune fittings

Touchstone capabilities of SoundDNA:
» *Speech Variable Processing*
» *Phoneme Focus and Envelope Focus*
» *Noise Reduction Strategies*
» *Adaptive Feedback Canceller*
» *Binaural Coordination*
» *Data Logging*
» *Real Ear Fit*
» *Wireless Connectivity Accessories*

Enchant. Capabilities that captivate.

Enchant captures the magic of every moment

Today's patients pack a lot into their lives. Sights, sounds and actions can shift in an instant. Speech Variable Processing is designed to keep up using **SmartCompress** technology.

SmartCompress

Digital Signal Processing (DSP) allows hearing instruments to identify meaningful sounds — especially speech. Renowned Speech Variable Processing (SVP) from Sonic has been at the forefront of DSP with the remarkable ability to react to different listening environments. Working hand in hand with its complementary Environmental Classification system, Sonic instruments have delivered clear and natural sound while responding to changing surroundings.

Now that technology advances again.

SVP supports **SmartCompress**, a breakthrough adaptive compression system designed for complex environments. With a significant increase in processing capability, SoundDNA enables the advancement of SVP with SmartCompress. Together, these technologies optimize amplification in quiet, noise and speech settings without the need for a separate environment classification system.

Why use SVP with SmartCompress? While SVP continues to optimize amplification in speech-in-quiet situations (Figure 1), compression systems can worsen the signal-to-noise ratio (SNR) of the hearing aid output when compression applies amplification on noise components of a signal.
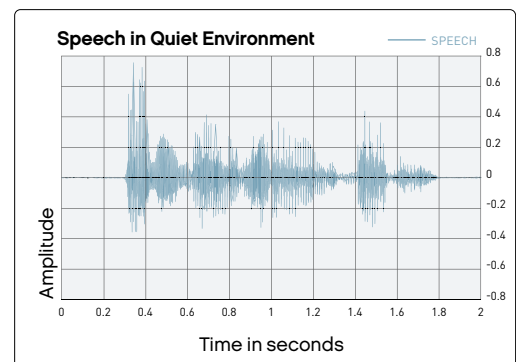

Figure 1: Sonic SVP efficiently optimizes amplification of speech (light blue waveform) in a quiet listening environment.

SVP with the adaptive SmartCompress system offers a better solution. SmartCompress is automatically activated in the presence of noise to intelligently adjust amplification in complex listening environments (Figure 2). By detecting both the short- and long-term SNR in an environment, SmartCompress identifies which signals should — and shouldn't — be amplified, then instantly adapts the proper gain and compression. With incredibly accurate detection of environmental changes, SmartCompress gives patients the most optimized amplification of sounds from moment to moment.
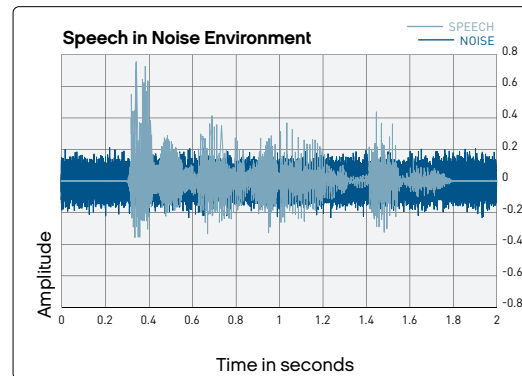

Figure 2: SmartCompress simultaneously identifies speech (light blue waveform) and noise (dark blue band) to optimize gain and compression in complex listening environments. It also detects quiet and noise-only environments without speech (e.g., dark blue noise band only) and applies less gain in those conditions.

Customize SmartCompress

With EXPRESS*fit*® Pro fitting software, you can customize SmartCompress* to fit each patient and their unique listening and lifestyle needs.

Gain Control
Gain Control adaptively limits gain in listening environments without speech (Figure 3). This feature applies less gain in quiet and noise-only conditions.
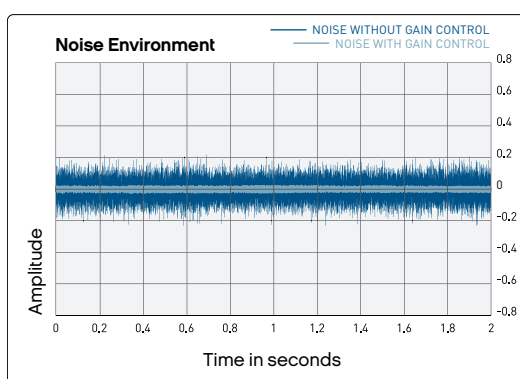
Figure 3: Amplitude of noise signal without Gain Control (dark blue), in comparison with Gain Control activated (light blue) .

To apply, select the Gain Control level that corresponds to listening environment preferences in quiet or noise. Options may include **Maximum, Medium, Minimum,** or **Off,** depending on Enchant technology level.

Compression Control
Compression Control adaptively reduces compression in speech-in-noise listening environments (Figure 4). This action limits the amplification of noise following short pauses in speech or even between speech phonemes, optimizing the SNR of the output in complex listening environments.
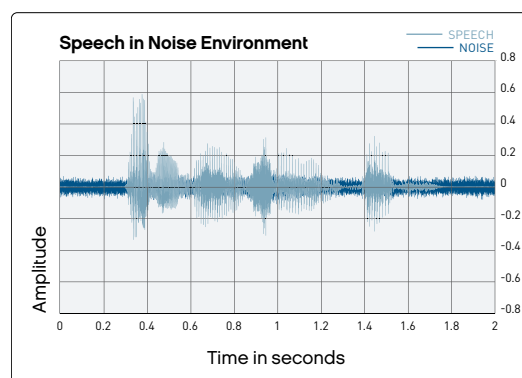
Figure 4: Amplitude of speech-in-noise signal with Compression Control activated on Comfort setting.

To apply, where available select **Audibility** to optimize speech intelligibility in noise or **Comfort** to enhance listening comfort in noise. When both audibility and comfort are mutually beneficial to daily listening needs, select **Balanced.**

Learn More! Read the SmartCompress Technology Paper at www.sonici.com

*SmartCompress is available in Enchant 100|80|60 only.

Enchant. Fascinating sound all around.

Put a positive spin on Speech-in-Noise with SPiN Management

This trio of technologies is designed to enhance speech, reduce noise, and optimize the control of it all.

SPiN Management

AUTO
RESPONSE TO
NOISE SOURCES

4x MORE
FREQUENCY BANDS

Revolutionize Speech in Noise listening scenarios with Speech in Noise (SPiN) technologies, found exclusively in the Sonic SoundDNA platform.

SPiN Directionality

As a sophisticated dual microphone system, SPiN Directionality automatically activates in response to noise sources. The system shifts direction as needed and also applies the right response — from fixed omnidirectional to full directional — to improve the signal-to-noise ratio (SNR) for the listener.

SPiN Directionality operates independently in 16 frequency bands (a huge leap compared to four bands in the past). This provides even higher resolution for isolating and suppressing noise. SPiN Directionality locates the dominant speech signal with precision. And it's completely intuitive. Neither you nor your patient need to pre-select the directionality pattern for the listening program.

SPiN Directionality adaptively transitions between polar plots. Where available, select **High, Medium** or **Low** Performance to indicate the level of help required.

SPiN Noise Reduction

SPiN Noise Reduction is an ultra-fast algorithm that detects a sound's source and modulation rates. Its speed allows it to immediately preserve speech (high modulation) and reduce noise (low modulation).

SPiN Noise Reduction automatically adapts to noisy listening environments, reducing gain only as much as needed. By operating in the same 16 frequency regions as the directional microphone system, this multiband noise reduction system manages speech and noise across the frequency spectrum, no matter the level or location.

Where available, select **High, Medium, Low** or **Off** to apply the strength of desired noise attenuation.

SPiN Engage

Make Enchant even more alluring to patients by engaging directionality and noise reduction settings to meet individual needs. SPiN Engage indicates how much help your patient requires in changing listening environments.

On **High**, the systems engage at the onset of environmental noise levels. On **Medium**, the systems engage at the start of moderate noise levels. On **Low**, the systems engage as noise levels intensify. SPiN Engage options will vary depending on the Enchant technology level.

Learn More! Read the SPiN Management Technology Paper at www.sonici.com

Enchant. Distractions seem to disappear.

Knock out noise with top tools.

Binaural Noise Management

Noise is a challenge in itself to hearing aid wearers. Even more distracting is an uneven signal-to-noise ratio (SNR) that creates an unbalanced hearing experience. Enchant brings balance in a different way: wirelessly.

Binaural Noise Management

Binaural Noise Management uses wireless technology to offset unpredictable noises that affect one side more than another. It analyzes the SNR from each hearing aid and automatically applies the optimum noise reduction setting to even out the binaural SNR.

Enchant incorporates other noise reduction technologies so patients can embrace the joys of life — while ignoring the noise.

Impulse Noise Reduction
With some hearing aids, the simple clinking of silverware or jangling of keys can be jarring. These unanticipated noises can interrupt the stream of speech and cause listeners to miss out. With Impulse Noise Reduction, Enchant identifies and suppresses unexpected sounds without modifying the speech or other input people want to hear. The result is improved listening comfort without sacrificing speech intelligibility.

Wind Noise Reduction
Wind Noise Reduction makes time spent outdoors more enjoyable by preventing the rush of wind from being amplified. When it detects wind, this feature quickly sets the lowest frequencies to an optimal directional response and applies maximum attenuation across all frequencies, providing instant relief.

Soft Noise Reduction
The whir of a fan. The rumble of a refrigerator. These soft, on-going sounds are distracting if amplified by a hearing instrument. **Soft Noise Reduction** reduces soft background noise without changing the amplification of speech.

Enchant. Delight in bits of brilliance.

Tinnitus SoundSupport

Tinnitus, ringing in the ears, can be common — and incapacitating. Sonic addresses this condition in two ways with **Tinnitus SoundSupport**. By increasing the volume of external sounds, Enchant amplification helps mask the ringing. Then this specialized feature generates targeted noise to help reduce the perception of tinnitus.

Tinnitus SoundSupport is optionally activated for patients who need it. More impressively, it can be customized with sounds that vary in level and frequency content, plus dual or single volume control. It's an amazingly effective way to address patient-specific needs for this specific condition.

Tinnitus SoundSupport is available in all Enchant technology levels. Choose from a varied selection of nature sounds or broadband sounds, depending on individual patient preferences.

Learn More! Read the Tinnitus SoundSupport Technology Paper at www.sonici.com

Frequency Transfer

Frequency Transfer helps people who have difficulty receiving high-frequency signals by copying and transferring them to a lower frequency region. By sending this input to a region with better residual hearing, Frequency Transfer helps patients access and hear more speech cues.

On the SoundDNA platform, Frequency Transfer includes several features to help patients who have severe to profound high-frequency hearing loss.

» *Up to 10 destination ranges*
» *7 intensity settings*
» *High-frequency attenuation option*
» *Manual activation in fitting software*

Control options vary among Enchant technology levels

Learn More! Read the Frequency Transfer Technology Paper at www.sonici.com

Adaptive Feedback Canceller

Feedback continues to be a thing of the past with Sonic's **Adaptive Feedback Canceller**. This sophisticated system removes offending feedback signals — often before they are even heard.

The Adaptive Feedback Canceller in Enchant uses an exceptionally fast adaptive filter to identify typical feedback oscillation characteristics. If an amplified signal re-enters the microphone after exiting the receiver, it is treated as feedback and sent to the phase canceller. The phase canceller applies a counter signal to neutralize the original signal and halt the feedback loop.

Impressive IP Ratings

You can't sweat the small stuff — like sweat itself. And patients don't have to with Enchant. Having an impressive Ingress Protection (IP) rating of **IP68** for all Custom, BTE, miniRITE and miniRITE T instruments, Enchant stands up to everyday exercise, spontaneous splashes, and the imperfections of day-to-day life.

IP68 = Dust-tight and Protection against continuous immersion in three feet of water or more.*

*Although highly protected, Enchant is not intended for swimming and showering. Encourage patients to use common-sense measures to preserve their electronic devices.

Enchant. Surrounded by something special.

Making new moments
Patients can enjoy special moments even more with technology built into the Enchant listening programs they'll use everyday.

Extended Dynamic Range Enchant^{100}

Extended Dynamic Range (EDR), found exclusively in the Enchant 100 technology level, expands the dynamic range of sound up to 113 dB SPL. As sounds grow in intensity, EDR ensures superior clarity — especially helpful at movie theaters, performances, auditoriums, and other places where sudden dramatic sounds really make the moment.

SmartMusic Program

The **SmartMusic** program embraces the power of music as it was intended. SmartMusic anticipates the emotion and swell of live music and extends the dynamic range of sound to a fixed-level 113 dB SPL. With this program, listeners and performers can be immersed in undistorted music at its best. The SmartMusic program is part of all Enchant 100|80|60 technology levels.

Enchant continues to offer great Sonic features that make wearing hearing aids fun, easy, and effortless:

Binaural Coordination
Binaural Coordination automatically shares information between left and right devices so the instruments work seamlessly together. The experience is so natural, listeners might forget they're wearing hearing devices in the first place.

Binaural Synchronization
With **Binaural Synchronization**, a volume level or program change made on one device is simultaneously made on the other. Even the Push-button Mute feature easily synchronizes with just the touch of one button.

Non-Telephone Ear Control
When one ear engages its Auto Telephone listening program, the **Non-Telephone Ear Control** feature specifies the other device as the non-telephone ear and reduces gain or mutes the input on that side. This reduces distractions caused by non-telephone sounds and increases the perception of volume from the telephone.

Programming at their pleasure

Enchant feels like it's made for your patient because it's programmed for your patient. Learn what he or she loves to do everyday — travel, go to movies, enjoy long drives, spend time on the phone — then pick the precise programs they'll thrill to use. The natural sound of Sonic seems even better because it naturally fits the way they spend their days.

Configure up to four dedicated listening programs in Enchant, including additional options made possible with smartphones and accessories.

Enchant Program Options	Enchant^{100}	Enchant^{80}	Enchant^{60}	Enchant^{40}	Enchant^{20}
Universal — everyday listening	✔	✔	✔	✔	✔
Speech in Noise	✔	✔	✔	✔	✔
SmartMusic	✔	✔	✔		
Noise	✔	✔	✔	✔	✔
Music	✔	✔	✔	✔	✔
Telephone (M)	✔	✔	✔	✔	✔
Telephone (T)	✔	✔	✔	✔	✔
Telephone (MT)	✔	✔	✔	✔	✔
Entertainment	✔	✔	✔		
Automobile	✔	✔	✔		
Classroom (M)	✔	✔	✔	✔	✔
Classroom (T)	✔	✔	✔	✔	✔
Classroom (MT)	✔	✔	✔	✔	✔
Airplane	✔				

Enchant. Wireless that's even more wonderful.

Dual-Radio System
Looking for wireless connectivity with no strings attached? Dual-Radio System makes it possible, with **2.4 GHz** and **NFMI** wireless technology.

Dual-Radio System

Wireless technology makes hearing devices more practical. More effective. More fun.

Wireless connectivity simplifies the way patients interact with Enchant, by synchronizing volume adjustments, program changes and telephone use from one ear to the other. They can choose how to control wireless operations — via program button, smartphone, or other accessories from Sonic.

But now the Sonic SoundDNA platform makes the wow of wireless even better, with **Dual-Radio System.** This smart system employs **2.4 GHz** technology — so patients can stream audio directly to Enchant via their iPhone® or connect to other wireless devices. It also incorporates **Near Field Magnetic Induction (NFMI)**, providing fast ear-to-ear communication. Enchant featuring Dual-Radio System ensures every patient stays connected, and won't miss a beat.

LOW-FREQUENCY ENHANCEMENT
ADDS EXTRA BASS WHEN DIRECT AUDIO STREAMING FROM A SMARTPHONE, TABLET, OR TV-A ADAPTER

Made for
 iPhone | iPad | iPod

P1

SONIC

Download on the
App Store

GET IT ON
Google Play

SoundLink 2 App

Help your patients make the most of Enchant with updated 2.4 GHz Bluetooth® Low Energy (BLE) wireless accessories.

SoundClip-A — connects Enchant 2.4 GHz wireless hearing aids through Bluetooth® to modern mobile phones and other audio devices. Now patients can hear streaming music and phone calls in both ears. SoundClip-A further doubles as a remote/partner microphone — patients hand SoundClip-A to the speaker and enjoy better listening at a distance or in a noisy environment. Plus, this small and practical accessory acts as a remote control to adjust hearing aid volume and program changes.

Updated! SoundLink 2 App — Control wireless operations like volume and program changes, and more, on an iPhone or Android™ smartphone. Features include "Find my hearing aid", links to instructions and low battery notification. Updates include advanced Tinnitus SoundSupport control for additional personalization. The app can also connect users to their GO service on the If This Then That (IFTTT) website www.IFTTT.com/go. IFTTT connects all kinds of digital devices to the Internet of Things to make life more convenient.

TV-A Adapter — Patients can stream their favorite programs using the TV-A Adapter. This optional accessory directly connects Enchant 2.4 GHz hearing aids to a television. Patients will enjoy high quality Dolby Digital stereo sound. And the at-home pairing is simple and fast.

RC-A Remote Control — Adjust volume and programs with a click. Small enough to fit in a pocket or purse.

TV-A

RC-A

SoundClip-A

Sonic Enchant and SoundLink 2 App are compatible with iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, 9.7-inch iPad Pro, 12.9-inch iPad Pro, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, and iPod touch (5th and 6th generation). Devices must be running iOS 9.3 or later. The app also supports Apple Watch. To download the Sonic SoundLink 2 App on iPad, go to the App Store, search for Sonic, and use the filter: iPhone only. Sonic SoundLink 2 App is compatible with devices powered by Android™ 6.0, Marshmallow or above. For information on compatibility, please visit www.sonici.global/compatibility.

Enchant. Splendidly sophisticated.

Enchant Style
Enchant is available in styles popular with patients and effective for a variety of hearing needs.

Custom styles — embrace exceptional versatility and give your patients a truly personalized hearing experience. With four styles, five performance levels and a robust set of features that accommodates mild to severe losses, the possibilities are countless! Mix-and-match a variety of options to customize every patient's unique needs for an ITE device. Available styles include Invisible-In-Canal (IIC), Completely-In-Canal (CIC), In-The-Canal (ITC) and In-The-Ear Half Shell (HS) or Full Shell (FS).

Selectable options include:

- Battery size
- Fitting level
- NFMI &/or 2.4 GHz Wireless
- Push button &/or Volume wheel
- Telecoil &/or Autophone

Enchant IIC   **Enchant CIC**   **Enchant ITC**   **Enchant HS/FS**

Behind-the-ear styles — With 3 modern styles and up to seven colors to choose, all Enchant BTE styles include Dual-Radio System wireless technology, use the miniFit acoustic coupling system, and have a fitting range of up to 105 dB HL to accommodate a range of mild to severe-profound losses.

DUAL-RADIO SYSTEM IS **STANDARD** ON ALL ENCHANT BTE DEVICES

Enchant miniRITE

- Sleek, modern design
- Single push-button volume and program control
- Size 312 battery
- Rechargeable with ZPower*

Enchant miniRITE T

- Dual push-button volume and program control
- Size 312 battery
- Equipped with telecoil

Enchant BTE 105

- Earhook or thin tube options for robust power
- Size 13 battery
- Equipped with telecoil

Enchant Custom Features*

Enchant custom instruments are the most versatile and personalized hearing aids Sonic has ever built. So now even more listeners can experience the power of Enchant.

Focus on Size — With a renewed commitment to creating a first-rate fit, Sonic now uses a wide variety of venting, amplifier, and battery configurations to build the smallest possible instrument - to satisfy individual patient preferences for style, comfort and gain.

Focus on Features — Packed with features only available on the SoundDNA platform, Enchant custom instruments offer up to four receiver sizes (75-100 dB fitting range), advanced wireless communication (NFMI/2.4GHz), and several dexterity enhancements for easier handling.

IP68 IS **STANDARD** ON ALL ENCHANT ITE DEVICES

1. **Dual Covered Microphones**
   - Allow for sophisticated directional features to enhance performance in noise
   - Keeps unwanted debris and moisture from entering the device

2. **Push Button**
   - Provides easy access for up to four listening memories
   - Optional volume control feature on wireless models

3. **Venting Styles**
   - Free Vents
   - Oval Vents
   - Collection Vents
   - Round Vents

4. **ProWax System**
   - Protects receiver from moisture and cerumen
   - Easily replaceable by the patient

5. **Optional Telecoil and Auto Telephone**
   - Telecoil provides crystal-clear telephone reception
   - Auto Telephone provides hands-free switching to a fully-configurable, dedicated telephone listening program

6. **Fitting Levels**
   - Receiver Sizes 75, 85, 90, 100 (ITC, ITE)
   - Receiver Sizes 75, 85 (IIC, CIC)

7. **Wireless Connectivity**
   - NFMI - Enables binaural communication between devices
   - 2.4 GHz — Provides connectivity to external audio sources (mobile phone, television, computer, etc.)

8. **Optional Volume Control Wheel (not pictured)**
   - Programmable range
   - Configurable alerting tones provide audible cue as the volume is changed

9. **Ingress Protection Rating**
   - Hydrophobic coating and overall design protects against dust and continuous immersion in three feet of water or more
   - IP68

10. **Dexterity Features (not pictured)**
    - Removal notches
    - Removal filament
    - Removal post
    - Raised volume control
    - Raised Push Button
    - Color dots
    - Attachment hook
    - Canal lock, Helix lock

*Not all features are available on all models — and restricted to size limitations and space requirements. Refer to the chart in the back of this guide for details.

Enchant BTE /miniRITE Features

IP68 IS **STANDARD** ON ALL
ENCHANT BTE DEVICES

1. **Dual Covered Microphones**
   - Allow for sophisticated directional features to enhance performance in noise
   - Keep unwanted debris and moisture from entering the device

2. **Program Button**
   - Provides easy access for up to four listening memories
   - Provides push-button volume control (miniRITE only)

3. **Auto Telephone**
   - Provides hands-free switching to configurable telephone listening program

4. **Volume Control**
   - Programmable range
   - Configurable alerting tones provide audible cue as volume is changed

5. **Battery Compartment**
   - Easy-open design
   - Integrated on/off switch
   - Size 13 (BTE) or 312 (miniRITE, miniRITE T) battery for outstanding battery life
   - Tamper-resistant lock keeps the battery secure from children
   - Optional ZPower upgrade kit (miniRITE only)
   - Optional DAI/FM (BTE only)

6. **Acoustic Options miniFIT System**
   - Four receiver sizes in four lengths (miniRITE, miniRITE T)
   - Earhook or Thin Tube options (BTE only)
   - Thin Tube option has two diameter sizes for fitting flexibility
   - Custom Molds and miniFIT Domes available in a variety of sizes and configurations

7. **Ingress Protection Rating**
   - Hydrophobic coating and over-all design protects against dust and continuous immersion in three feet of water or more
   - IP68

8. **ProWax miniFit System**
   - Protects receiver from moisture and cerumen (miniRITE, miniRITE T)
   - Easily replaceable by the patient

9. **Telecoil**
   - Telecoil provides crystal-clear telephone reception (miniRITE T, BTE)

10. **Wireless Connectivity**
    - NFMI - Enables binaural communication between devices
    - 2.4 GHz - Provides connectivity to external audio sources (mobile phone, television, computer, etc.)

* Not all features are available on all models — refer to the chart in the back of this guide for details.

Enchant. Stunningly simple.

EXPRESS*fit*® Pro
Sonic's acclaimed fitting software has all the tools you need to fine tune fittings on the SoundDNA platform.

Adaptation Manager

Increase acceptance with Adaptation Manager
Ease patients into their hearing instruments with this software feature that gradually increases gain settings over time. Customize the number of adaptation steps and amount of adaptation time (from one week to four months) until the full gain prescription is active. Gradual adaptation of gain can result in greater acceptance and long-term use of hearing aids. It's a terrific way to support your patients, especially new hearing aid wearers.

Program wirelessly with FittingLINK 3.0
FittingLINK 3.0 is a wireless programmer that uses 2.4 GHz Bluetooth® Low Energy (BLE) technology to connect EXPRESS*fit* Pro directly to Enchant without an intermediary device.The fitting software recognizes Enchant hearing instruments and allows you to fit without the hassle or distractions of a neck loop, cables, or connectors. Remarkably small, FittingLINK 3.0 is the size of a USB Bluetooth® dongle adapter and comes with a convenient desktop stand.

REAL EAR FIT
SIMPLE, ACCURATE FITTINGS

Achieve accuracy with Real Ear Fit
Real Ear Fit helps achieve accurate fittings and improve patient satisfaction by simplifying the real ear verification process. It sequentially measures REUG, REAG, and then performs automatic fine-tuning of the response in a convenient, orderly flow. Matching the hearing instrument response to prescribed targets is automatic; no need to make manual adjustments for soft, medium and loud input levels. Real Ear Fit is compatible with the following REM systems: MedRx Avant Speech, Avant Speech+ and Avant REMsp, Interacoustics Affinity and Callisto, and Otometrics Otosuite.

EXPRESS*fit* Pro now supports an interface for Audioscan hearing instrument verification systems — so you can automatically match Verifit and Verifit2 targets in Real Ear Fit!

 EXPRESS*fit*® Pro

Additional features in EXPRESS*fit* Pro
» *Streamlined design and fitting flow*
» *More fitting bands and graph view options for sophisticated adjustments*
» *Audible indicator tones for easier sound recognition*
» *In-situ Audiometry*
» *Firmware Updater* (no device change needed)*
» *Software Updater**
» *Transfer Fitting*
» *Noahlink Wireless compatibility*

*Requires an internet connection.

Put Enchant to the test with SoundStudio
Demonstrate real-life sounds through your fitting PC speakers — so patients can experience their Enchant fitting before they step out of the door. With SoundStudio, sample dozens of audio clips from the Sound Library. Demo selected favorites such as 'sidewalk café' or 'busy street near a construction site' from the Scene Library. You can even import sound files of your own or compose new scenes with the Scene Editor. SoundStudio can be integrated within EXPRESS*fit* Pro right from the tool bar for quick, easy access.

Enchant. Adaptive, all day long.

Enchant with ZPower
The Enchant miniRITE features the **ZPower** rechargeable battery system. With an overnight charge, patients can enjoy all-day power without interruption and without the need for regular battery changes.

ZPower batteries in Enchant:

» *Hold 40% more charge than other rechargeable microbatteries*
» *Can interchange with disposable batteries if needed*
» *Last about a year — buy them once annually!*

Give your patients the confidence their Enchant will perform all day, even when using advanced features like Bluetooth streaming. Since the hearing aids (not the batteries) go right on the smart charger, there's no need to fumble with tiny discs and frequent change-outs — perfect for your patients with dexterity issues. It's simple and convenient. And one **ZPower** rechargeable battery lasts for 400 charging cycles — as long as 100 disposable batteries!

Estimated battery life with ZPower*

	Listening Activities	Duration Per Charge
Normal Use plus	No streaming	18 – 19.5 hours
	90 minutes of iPhone® streaming	16 – 17 hours
	4 hours of TV + 1 hour of iPhone streaming	15 – 16 hours

*Estimated battery life may vary depending on the use of the hearing aid, the degree of hearing loss, amplification and listening activities.

Z|power®

Enchant Feature Overview*

	enchant¹⁰⁰	enchant⁸⁰	enchant⁶⁰	enchant⁴⁰	enchant²⁰
Sound Quality					
Signal Processing	« Speech Variable Processing »				
SmartCompress	10 Options	6 Options	2 Options		
Frequency Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz	8 kHz
Phoneme Focus	■	■	■	■	■
Envelope Focus	■	■	■	■	■
Extended Dynamic Range	■				
Low Frequency Enhancement	■	■	■	■	■
Frequency Transfer	■	■	■	■	
Tinnitus SoundSupport	■	■	■	■	■
Noise Management					
SPiN Noise Reduction	4 Options	4 Options	3 Options	2 Options	2 Options
SPiN Engage	3 Options	3 Options	2 Options		
Impulse Noise Reduction	4 Options	3 Options	3 Options	2 Options	
Soft Noise Reduction	■	■	■	■	■
Wind Noise Reduction	■	■	■	■	■
Adaptive Feedback Canceller	■	■	■	■	■
Directionality					
SPiN Directionality	2 Options: Hi/Med	1 Option: Med	1 Option: Med	1 Option: Low	1 Option: Low
True Directionality	■				
Fixed Directionality	■	■	■	■	■
Omni Directionality	■	■	■	■	■
Binaural Coordination					
Volume and Program Change	■	■	■	■	■
Binaural Noise Management	■	■			
Non-Telephone Ear Control	■	■	■	■	■
Programming Options					
Universal Program	■	■	■	■	■
Fitting Bands	16	14	12	10	8
Environments	14	13	13	10	10
Manual Listening Programs	4	4	4	4	4
SmartMusic Program	■	■	■		
Airplane Program	■				
Data Logging	■	■	■	■	■
Adaptation Manager	■	■	■	■	■
Wireless Programming	□	□	□	□	□
Real Ear Fit	□	□	□	□	□
Patient Conveniences					
Push Button Mute	■	■	■	■	■
Audible Performance Indicators	■	■	■	■	■
Start-Up Delay	■	■	■	■	■
Auto Telephone Detection	■	■	■	■	■
Dual-Radio System	■	■	■	■	■
Wireless Connectivity Accessories	□	□	□	□	□
ZPower	□	□	□	□	□

■ Standard □ Optional

* Not all features are available on all models.

Model Overview

	IIC	CIC	ITC	HS/FS	miniRITE	miniRITE T	BTE 1O5
Battery Size	1O	1O	312	312/13*	312	312	13
Power Model			□	□	Power Receiver	Power Receiver	
Directional Microphones			■	■	■	■	■
Program Button		□	□	□	■	■	■
Volume Control		□**	□**	□**	□	□	□
Volume Wheel			□	□			
Telecoil			□	□		■	■
Auto Telephone			□	□	■	■	■
NFMI Wireless		□	□	□	■	■	■
2.4 GHz Wireless			□	□	■	■	■
Receiver Sizes	75 Receiver 85 Receiver	75 Receiver 85 Receiver	75 Receiver 85 Receiver 9O Receiver 1OO Receiver	75 Receiver 85 Receiver 9O Receiver 1OO Receiver	Small (6O) Medium (85) Power (1OO) Power (1O5)	Small (6O) Medium (85) Power (1OO) Power (1O5)	
Earhook/ Thin Tube							■ / □
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Tinnitus SoundSupport		□ ***	□ ***	□ ***	■	■	■
DAI/FM							■
ZPower					□		

■ Standard □ Optional

*Alternate battery size may be requested
**Program Button can be programmed for volume control use
***Requires Program Button and NFMI Wireless

miniRITE   miniRITE T   BTE 1O5   IIC   CIC   ITC   HS/FS

beige · taupe · brown · grey · dark grey · black* · gold**   black*   beige · light brown · medium brown · dark brown

*Black color available in Enchant100|80|60 only.
**Gold color available in the Enchant100 miniRITE only.

*Black color available in IIC only.

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