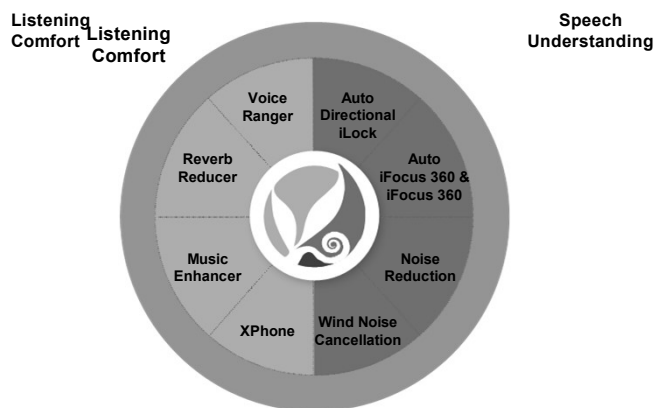# TruCore Introduction

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TruCore: Truly Natural

The all TruCore platform provides unparalleled sound quality coupled with a new level of comfort for a more clear, natural, and relaxed hearing experience.

With QuadCore products we provided unprecedented speech understanding. Now with TruCore we complete the listening experience with outstanding comfort features.

Main Features in TruCore

Listening Comfort **Listening Comfort**

Speech Understanding

Voice Ranger

Auto Directional iLock

Reverb Reducer

Auto iFocus 360 & iFocus 360

Music Enhancer

Noise Reduction

XPhone

Wind Noise Cancellation

TruCore: Connect to Every Soundscape Naturally

Listening Comfort

Speech Understanding

TruCore Binaural Processing

- **Benefit:**
  - o **Creates an extremely accurate and natural binaural listening experience.**
- Combines directional microphone input of both hearing aids
  - Creates narrow directional beam
  - Engage directionality to front, back, left or right
  - Improves signal to noise ratio in more challenging situations
- Active whenever and wherever required
- Wireless platform

Comfort Features
Voice Ranger

Listening Comfort

NEW!

- **Scenario:** distraction by competing conversations
- **Solution:** Voice Ranger
- **Benefit:** Reduces distractions and maintains the natural balance between the target speaker and competing speakers providing a more relaxed and enjoyable listening experience.
- Ideal for noisy environments where there are other voices behind the target speaker.
- Separates target speech from speech noise

Comfort Features
Reverb Reducer

- **Scenario:** bothersome sound quality in environments with hard surfaces
- **Solution:** Reverb Reducer
- **Benefit**: Improves the wearer's listening comfort in reverberant environments
- Recommended use:
  - Places of worship
  - Museums
  - Airports
- A unique program option
- Minimizes distraction from reverberation
- Reverb Reducer cuts down echo effect
- Easily added to hearing instrument programming in Program Handling

Comfort Features
Music Enhancer

NE

- **Scenario:** music lacks natural quality
- **Solution:** Music Enhancer
- **Benefit:** Preserves the emotion and richness of music for greater listening enjoyment
- Recommended use: patients with more discriminating music needs
  - Musicians
  - Music lovers
- **3 unique program options** easily added in Program Handling
  - Live music performances
  - Performing music
  - Recorded music

Live   **Performing**   **Recorded**

Comfort Features
XPhone

NEW!

- **Scenario:** trouble hearing the phone clearly
- **Solution:** XPhone
- **Benefit:** Binaural amplification of the phone for a louder, clearer signal.
- Recommended use: patients that use a hand-held phone.
- Unique phone program easily added in Program Handling
- Activates and de-activates automatically
- Simultaneously sends the phone signal to both ears

Comfort Features
Using the XPhone Magnet
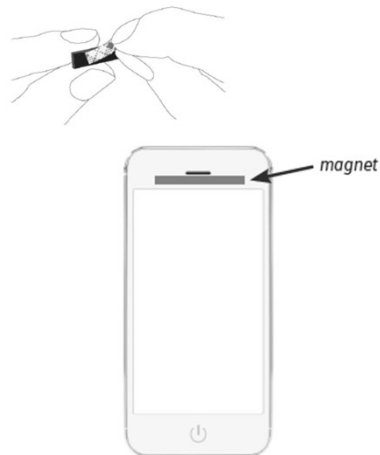
There is a specially-designed XPhone magnet.

To apply the magnet to enhance the phone's magnetic field:
1. Remove the backing from the XPhone magnet,
2. Place it on the top of your phone, near the speaker,

magnet

Comfort Features
T-Coil Connectivity

Hearing Aid Compatible

- A built in Telecoil provides connectivity to:
  - Telephones
  - Landlines
  - Telecoil compatible cell phones
  - Hearing loops (Induction systems)
- The Autophone feature makes this function automatic when used with telephones.
  - Telecoil is not automatically activated in memory 1. It requires a dedicated memory.

Speech Centered Features
Auto Directional iLock

PROVEN!

Speech Understanding

PROVEN!

- **Scenario:** trouble hearing in restaurant, family gatherings, social events
- **Solution:** Auto Directional iLock
- **Benefit:**
  - **Better speech understanding in extremely challenging and noisy environments**
- Advanced adaptive directional system capable of creating directional beams as narrow as 10 degrees
- Default microphone in the first program
- Narrow directionality is activated automatically based on acoustic environment. App or remote are not required.

6

Speech Centered Features
Auto iFocus 360 & iFocus 360

Speech Understanding

- **Scenario:** trouble hearing speech behind you
- **Solution:** Auto/iFocus 360
- **Benefit:**
  - **Enhances speech understanding in environments where turning to see the speaker is difficult.**
- Recommended use: to hear speech from front, back, left or right.
- Automatic in a car in the first program
- May also be added as a unique program for:

  - Lawyers
  - Medical professionals
  - People in wheelchairs
  - Teachers

- True directionality from any direction
  - Directionality is engaged automatically or with the use of apps

---

Speech Centered Features
Automatic Noise Reduction

Speech Understanding

PROVEN!

- **Scenario**: speech drowned out by background noise
- **Solution**: Automatic Noise Reduction
- **Benefit:**
  - **Provides improved comfort and reduces listening fatigue**
- Ideal for anyone bothered by background noise.
- Automatically provides the appropriate amount of noise reduction
- Automatically reduces 3 types of noise:
  - Steady state noise (motors, fans, etc.)
  - Impact noise (dishes, papers, keys)
  - Speech noise (group noise, restaurants)

Speech Centered Features
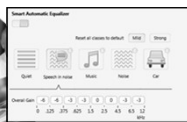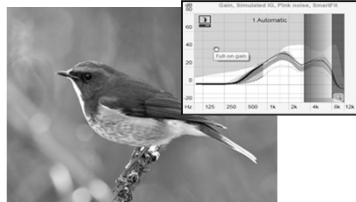## Wind Noise Cancellation

Speech Understanding

- **Scenario:** annoying wind noise
- **Solution:** Wind Noise Cancellation
- **Benefit:**
  - **Increased user comfort and speech understanding in wind noise**
- Ideal for active patients that need to be able to listen to conversations when outside.
- Automatic in the first program
- Effectively cancels wind noise without affecting speech signal
- Engages in less than 1 second of onset of wind noise

Automatic Optimization

Smart Automatic Equalizer

Smart Automatic Acclimatization

Bandwidth Compression

Feedback Preventer

Automatic Optimization
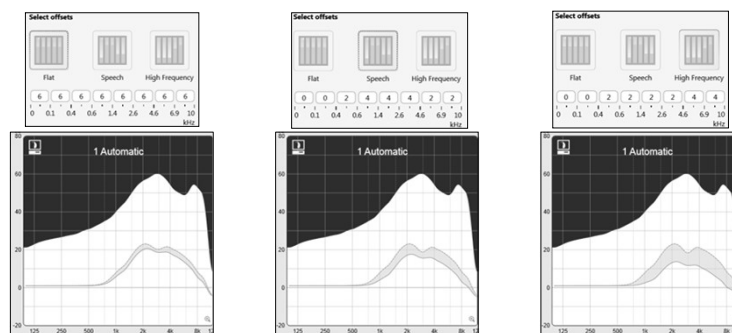## Smart Automatic Equalizer

- Customize the response of the aids in different daily environments
- Flexible and customizable for an individual's preferences.
- Fast, easy, and convenient adjustments to personalize the Automatic Program.
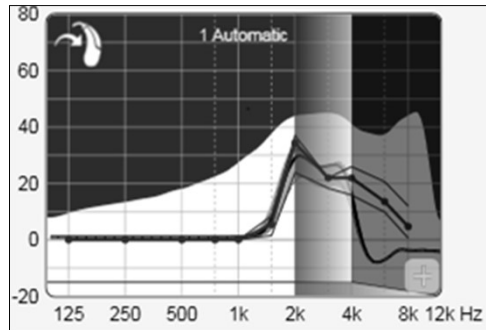

Automatic Optimization
Smart Automatic Acclimatization

- Ensures for comfortable and positive first fit acceptance
- Reduce follow-up fittings
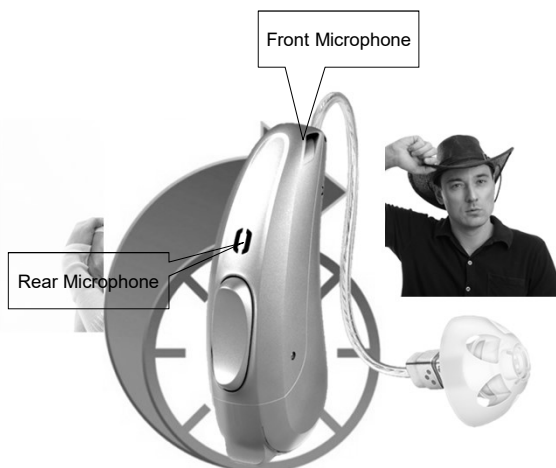- Intuitive and easy to set

Automatic Optimization
Bandwidth Compression

- Bandwidth Compression takes un-aidable high frequencies and moves those frequencies to areas where amplification may be beneficial.
- Critical Speech elements are preserved.

Automatic Optimization
Feedback Preventer

Front Microphone
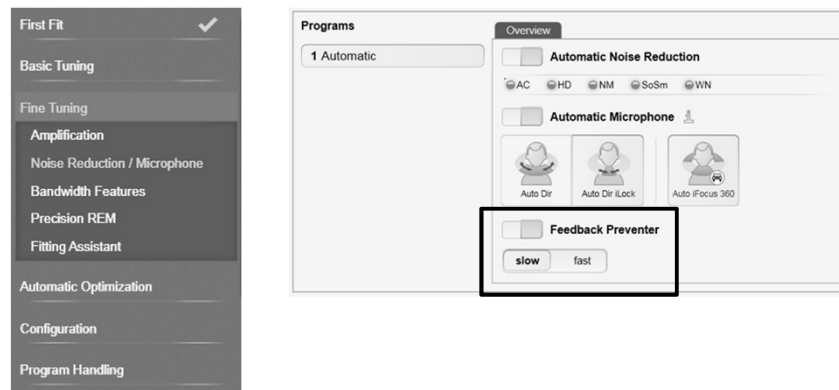
Rear Microphone

- Incorporates new technologies under the umbrella of TruCore
  - Continuous Critical Gain Measurements using the sounds in the environment
  - Accounts for changes in posture or objects around the hearing aid
- Measurements and cancellation occur in parallel

Automatic Optimization
Adjusting Feedback Preventer in Fine Tuning

Automatic Optimization
Performing Critical Gain Measurements
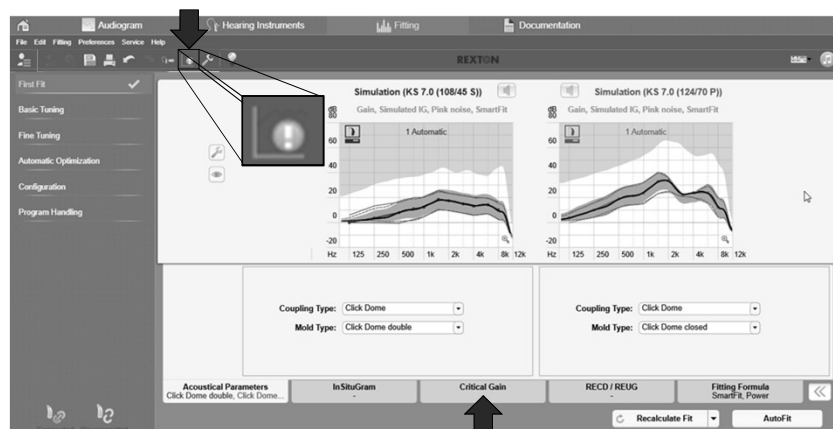
SecureTec Protection Package
IP67 Rated

IP 6X
- Dust tight: no ingress of dust

IP X7
- Protected against the effect of immersion between 15 cm and 1 m

Proven receiver technology

New seal

New interface

SIM Card connection technology

Auto ID safety feature & software readout

Easy to identify Left/Right

IP rating is a certification issued by independent laboratories.

Widest Fitting Range

S-receiver 45 dB	M-receiver 60 dB	P-receiver 70 dB	HP-receiver 75 dB
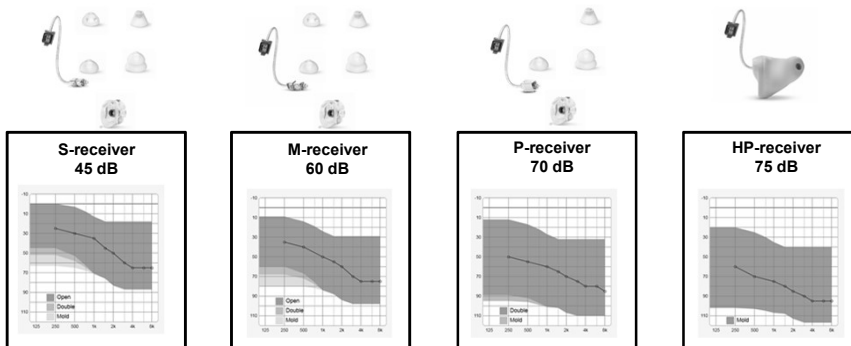
General guidelines:
- Use open dome is low frequencies are 20 dB or better
- Use semiopen dome if low frequencies are 25-40 dB
- Use closed dome if low frequencies are 45-65 dB
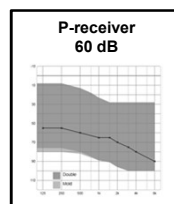- Use double dome if low frequencies are 65 dB or worse

Rexton 6ᶜ – Portfolio Fall 2016

XS = 10
S = 312
M = 13
P = 13
HP = 675

	Sterling	inoX CIC	Emerald XS	Emerald S	Emerald M*		Mosaic M / Joy M	Joy P	Joy HP
PL 80	Sterling 80 6ᶜ	inoX CIC 80 6ᶜ	Emerald XS 80 6ᶜ	Emerald S 80 6ᶜ	Emerald M* 80 4ᶜ	Finesse 18 2ᶜ S	Mosaic M 80 6ᶜ		
PL 60	Sterling 60 6ᶜ	inoX CIC 60 6ᶜ	Emerald XS 60 6ᶜ	Emerald S 60 6ᶜ	Emerald M* 60 4ᶜ	Accord 16 2ᶜ S	Mosaic M 60 6ᶜ		
PL 40	Sterling 40 6ᶜ	inoX CIC 40 6ᶜ	Emerald XS 40 6ᶜ	Emerald S 40 6ᶜ	Emerald M 40 4ᶜ	Joy S 40 4ᶜ	Mosaic M 40 6ᶜ		
PL 30	Sterling 30 4ᶜ		Emerald XS 30 4ᶜ	Emerald S 30 4ᶜ		Joy S 30 4ᶜ	Joy M 30 4ᶜ	Joy P 30 4ᶜ	
PL 20	Sterling 20					Joy S 20	Joy M 20	Joy P 20	Joy HP 20
PL 10	Sterling 10	inoX CIC 10 / inoX ITC 10				Joy S 10	Joy M 10	Joy P 10	Joy HP 10
PL 5		inoX CIC 5 / inoX ITC 5				Targa S 5		Targa P 5	Targa HP 5
PL 5A								Targa P 5A	Targa HP 5A
PL 3								Arena P 3	Arena HP 3
PL 1								Arena P 1	

Accesories	Connexx Smart Key	Connexx Smart Transmitter	Connexx Fit2Go App	Connexx CROS RIC
Software / Launch	Connexx 7.5 / Rexfit 7.5 Previous	Connexx 8.2 / Rexfit 8.2 Nov 2016		

T = Tinnitus   *No Tinnitus   HP = Power Customs

Emerald XS 6ᶜ – The Ultra-discreet RIC Hearing System

Ultra tiny housing 10A Battery

S / M / P Receiver

S-receiver 45 dB	M-receiver 55 dB	P-receiver 60 dB

App Store — Available on the
Google play — ANDROID APP ON
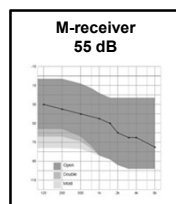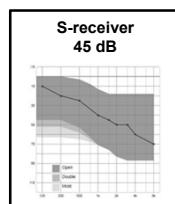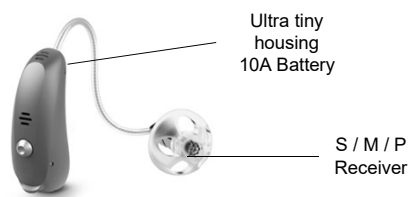
Mosaic M 6^c– The Reliable Discreet Companion

Telecoil with Autophone

Thin Tube and Earhook

DAI option / Non Rechargeable

13 Battery

Sterling 6^c – Optimum Coverage For All Patients Needs

o   From tiny CIC to full shell

o   Directionality for CIC PL 80

o   Power matrices available up to 65dB gain

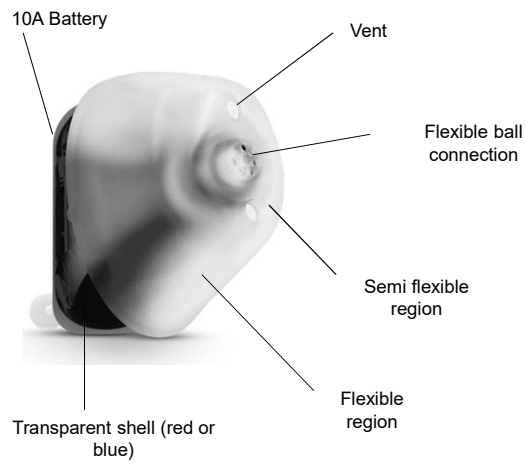## inoX CIC 6^c – Simplifying ITEs

- Click sleeve solution: natural sound, without feedback
- Wireless Synch
- Single mic directionality (PL 80 only)
- Audio streaming (with Smart Connect accessory)
- Also available in ITC size for PL 10 & 5

inoX CIC 6^c – Click Sleeves

10A Battery

Vent

Flexible ball connection

Click Sleeve Closed

Semi flexible region

Click Sleeve Vented

Transparent shell (red or blue)

Flexible region

Accessories

CONNEXX CROS RIC

For unilateral hearing loss

Permanent **wireless** transmission

Compatible with
Emerald S 6^c and Mosaic
M 6^c

SMART KEY

Small and handy
Users without smartphone
Acoustic signal

SMART TRANSMITTER

Easier conection to TV

LED indicators
On/off and volume buttons
Compatible with
Smart Connect and mini Blu
RCU

Connexx 8
Using Connexx 8

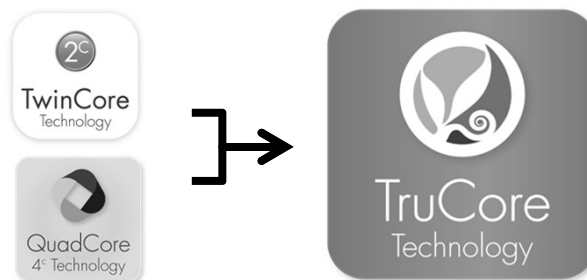## Connexx 8
What's New

- **Mimic Fit**
  - Easily transfer demo settings into TruCore hearing aids.
- **Program Link**
  - Link programs together for efficient programming
- **Decouple Volume Control**
  - Personalize volume control settings
- **Copy to Program 1**
  - Flexible programming
- **Interactive Curve Display**
  - Quick adjustments
- **QR Code for Smart Remote app**
  - Simplifies setup of Smart Remote app

Connexx 8
Mimic Fit

- Mimic Fit: transfer fitting session from any TwinCore and QuadCore device into the TruCore hearing aids.
  - Transfers gain settings of memory 1, program labels, and configuration settings. Other fine tuning changes are not transferred. Programs 2-6 are realigned with memory 1.
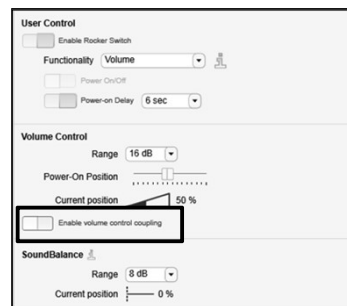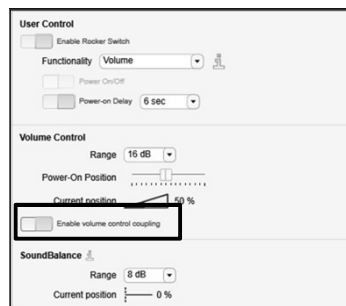- Mimic Fit also allows receivers to be changed without requiring a new First Fit.

Connexx 8
Program Link

- Multiple programs can now be linked. Setting changes will be applied to all programs simultaneously
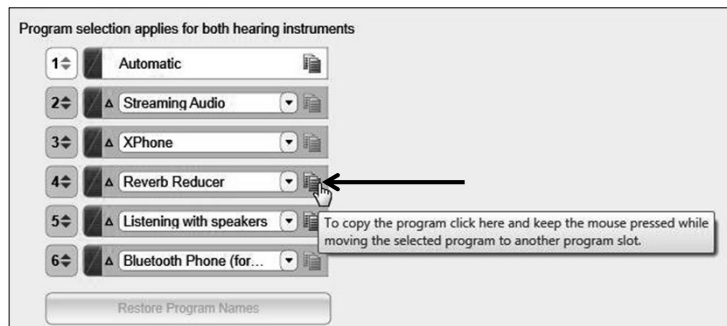- Can be applied in Basic Tuning or Fine Tuning/Amplification

Connexx 8
Decouple Volume Control

- Allows you to adjust the volume control of each instrument independently
- This feature may be used for those suffering with Meniere's

Using Connexx 8
Copy to Program 1

Program selection applies for both hearing instruments

1		Automatic	
2	Δ	Streaming Audio	
3	Δ	XPhone	
4	Δ	Reverb Reducer	
5	Δ	Listening with speakers	
6	Δ	Bluetooth Phone (for...	

To copy the program click here and keep the mouse pressed while moving the selected program to another program slot.

Restore Program Names

Copy Program allows you to move one of the programs, from 2 to 6, into program 1.

Connexx 8
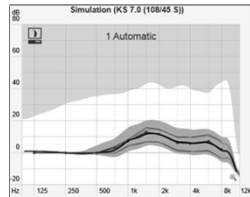## Interactive Curve Display

dB SPL
Output, Simulated AR, Pink noise, SmartFit
1 Automatic
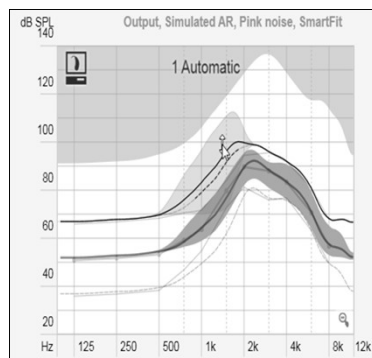
- Gain and output curves can be directly adjusted from the curve window making fine tuning quick and easy.

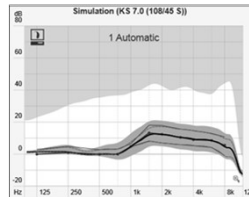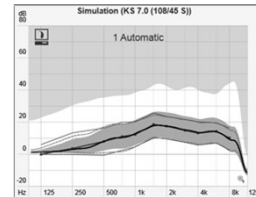| Frequency Details | Loudness | MPO |

Handles | 1 | 2 | 5 | 10
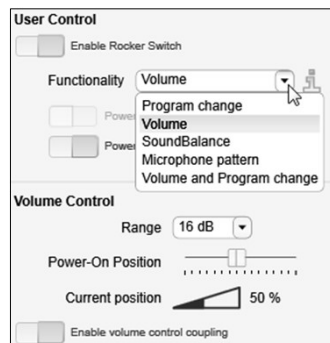
19
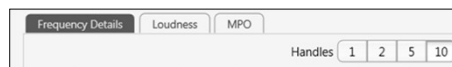
Connexx 8
Fitting Formulas

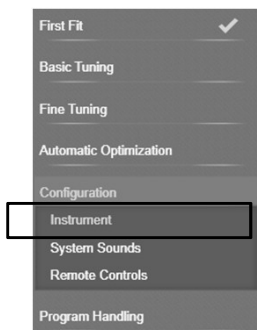| SmartFit New | SmartFit Experienced | SmartFit Power |

SmartFit is based on NAL-NL2 and is optimized for the new features found in TruCore hearing aids

Personalizing the Hearing Aids
Configuring the Rocker Switch

Compatible Accesories

Apps

Smart Connect

Smart Power Charger

Smart Remote

BT Transmitter

Compatible Accesories
Connexx Smart Remote App

- Change programs
- Adjust volume
- Mute
- Treble control
- External audio source selection
- Battery life of instruments when set-up with QR Code
- Microphone Pattern Adjustment
- No intermediary device needed
- Bluetooth not required
- Wireless not required
- Uses Ultra High Frequency Coded Sound

Available on the App Store

ANDROID APP ON Google play

Compatible Accesories
QR Code in Documentation Tab for Smart Remote App

Connexx Smart Remote app
Did you know you can control your hearing aids with the Smart Remote app?
First download the app, which is available for Android and iOS. After installation open the Smart Remote App and scan the QR code. Now you are ready to use the app!

- New QR Code in Documentation Tab
- QR Code is read by the Smart Remote App
  - Transfer program configuration to the app for a faster and accurate setup
  - Enable battery status signal

Compatible Accesories
Smart Connect

- Uses Bluetooth technology
  - Connects to most Bluetooth enabled cell phones
  - Encoded signal to prevent interference
  - **Minimal effect on hearing aid batteries**
  - Connects to audio devices via Bluetooth or additional transmitter
- Simple pairing to hearing instrument and Bluetooth devices
- Connects to all wireless Rexton hearing aids including **CIC**

Compatible Accesories
Connexx Smart Connect App

- Change programs
- Adjust volume
- Mute
- Treble control
- External audio source selection
- Battery life of instruments and Smart Connect
- Quickly and easily pair Connexx Transmitter and Speech Connect to the Smart Connect
- Microphone Pattern Adjustment
- Requires the Smart Connect
- **App is NOT required for Bluetooth phone and audio streaming functions**
- Will act as Smart Remote App if Smart Connect is not present

Available on the **App Store**

ANDROID APP ON **Google play**

Thank you!