livioEdge AI

Like nothing else. From no one else.

The industry’s most complete line of rechargeables

2.4 GHz Rechargeable BTE
The industry’s smallest, most powerful rechargeable BTE. *
REM Target Match
Auto Real Ear Measurement speeds up fitting and leaves more time for counseling.
Live Sessions
Leverages live video chat to enable and improve remote care.
Find My Phone
Using their hearing aids and Thrive Assistant, users can now find their misplaced smartphone.
Multiflex Tinnitus Pro
Uses a new shaping algorithm and custom-fit tool to deliver more personalized maskers for Livio Edge AI patients.
IntelliVoice
This first-of-its-kind speech enhancement feature uses AI to provide an unprecedented experience for patients with moderate loss of 50 dB HL or greater.

*Starkey Competitive Benchmarking Study 2019.

To learn more, visit: StarkeyPro.com/Livio-AI

NEW BTE R

2020 Artificial Intelligence Breakthrough Award Winner
What’s New

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*Starkey Competitive Benchmarking Study 2019.

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The industry’s most complete rechargeable lineup

Livio Edge AI 2400
Livio AI 2000 | 1600 | 1200

No other manufacturer has a rechargeable lineup with this many styles, including:

- The world’s first 2.4 GHz custom rechargeable
- The world’s smallest, most powerful rechargeable BTE*

*Starkey Competitive Benchmarking Study 2019.

More options than ever before

With our expanded 2.4 GHz product portfolio you can provide convenient rechargeable solutions to even more patients. We’ve added the world’s smallest, most powerful rechargeable BTE to the lineup.

Our Mini Turbo Charger provides a 3.5-hour charge in just 7 minutes for RIC R or BTE R hearing aids.

Our Custom and Standard Chargers provide up to 24 hours of power in a single charge.
livioEdge\textsuperscript{AI}

The best just got better

We’ve pushed our industry-leading Hearing Reality Pro platform further with:

\textbf{Edge Mode}
Just a double tap of the hearing aids delivers game-changing sound in the most challenging listening environments. Edge Mode can also help improve speech audibility when listening to a speaker wearing a face mask.

\textbf{IntelliVoice NEW}
This first-of-its-kind speech enhancement feature uses AI to provide an unprecedented experience for those with moderate loss of 50 dB HL or greater.

\textbf{Hearing Reality Pro pushes our industry-leading platform even farther.} Harnessing the game-changing capabilities of the most advanced AI engine possible in modern hearing aids, Hearing Reality Pro powers listening experiences with the most sophisticated set of tools possible.

Patients are able to enjoy the refined noise management of Hearing Reality, plus the breakthrough enhancements that are only available through on-board, edge AI.
Perfect for face masks

Wearing face masks poses challenges for people with hearing loss, from speech audibility issues to interfering with hearing aids.

Livio Edge AI custom rechargeables solve today’s challenges by providing an in-ear custom fit for all-day use, and Edge Mode is the perfect solution to better hear people speaking while wearing face masks.

Custom rechargeables
Custom hearing aids sit in the ears and not behind them, so they won’t get tangled or get pulled off when wearing or removing face masks.

Edge Mode* for masks
This on-demand mode uses AI to optimize speech audibility to offset communication challenges presented by face masks, social distancing and background noise.

Mask Mode
This custom memory in the Thrive app boosts the frequency response in certain channels to help patients better hear people who are wearing face masks.

*Available for Livio Edge AI hearing aid wearers.
An unmatched fitting experience on every level

New Inspire X features make it easier to get a customized, accurate fit.

**Live Sessions** *(NEW)*
This synchronous Hearing Care Anywhere remote programming feature leverages live video chat to enable and improve remote care.

**REM Target Match** *(NEW)*
Auto Real Ear Measurement speeds up fitting and leaves more time for counseling.

**Multiflex Tinnitus Pro** *(NEW)*
Uses a new shaping algorithm and custom-fit tool to deliver more personalized maskers for each patient’s unique needs.

Another Starkey First

**Find My Phone**
Using their hearing aids and Thrive Assistant, wearers can now locate their lost or misplaced phone by having it ring. No other hearing aid offers this capability.
Give patients more control

**thrive**
**Better than ever**

*Exclusive to Livio Edge AI hearing aids.*

**Fully updated for improved usability and overall performance.**

New set-up screens and connectivity enhancements make our Thrive Hearing Control app easier to use and more robust than ever.

**Mask Mode**
New custom memory boosts speech audibility.

**Fall Alert is now available in Basic Mode.**

*These apps may have slight differences depending on your phone and/or hearing aid model.*

---

**Thrive Score**

- **Bocy:** 84/100
- **Brain:** 78/100

**Jane Doe**

- **Wednesday, Oct. 16**
- **Thrive Score:** 162 of 200
- **Steps:** 4,132 steps
- **Exercise:** 29 minutes, 160 kcal

**Thrive Care**
**Peace of mind**

*Offer patients reassurance and independence.*

The world’s first and only hearing app for caregivers, Thrive Care* provides peace of mind by letting Livio Edge AI patients share certain Thrive app information with whomever they choose.
### Thrive Hearing Control App

#### Hearing Performance & Healthable Technology Features:

**Available with Livio Edge AI products**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Edge Mode</strong></td>
<td>With just a double tap, Edge Mode instantly conducts an AI-based analysis of the listening environment and makes smart, immediate adjustments.</td>
</tr>
<tr>
<td><strong>IntelliVoice</strong></td>
<td>This first-of-its-kind speech enhancement feature uses AI to provide an unprecedented experience for those with moderate loss of 50 dB HL or greater (available with Apple® devices).</td>
</tr>
<tr>
<td><strong>Fall Alert</strong></td>
<td>With integrated sensors, Fall Alert can detect falls and send alert messages to selected contacts.</td>
</tr>
<tr>
<td><strong>Thrive Assistant</strong></td>
<td>Use voice commands* to get answers to questions, set reminders and control hearing aids.</td>
</tr>
<tr>
<td><strong>Auto On/Off</strong></td>
<td>Senses when a hearing aid is taken off the ear and goes into low power mode, saving battery life.</td>
</tr>
<tr>
<td><strong>Language Translation</strong></td>
<td>Easily communicate with people who speak other languages via the easy-to-use translation tool in the Thrive app (requires an internet connection).</td>
</tr>
<tr>
<td><strong>Body and Brain Tracking</strong></td>
<td>Sensors are integrated into the hearing aids so patients can track their activity and social engagement via the Thrive app.</td>
</tr>
</tbody>
</table>

#### Additional Technology Features:

**Available with Livio Edge AI, Livio AI and Livio products**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transcribe</strong></td>
<td>It’s like closed-captioning for real life. Conversations are transcribed so users can read what’s being said.</td>
</tr>
<tr>
<td><strong>Self Check</strong></td>
<td>Allows users to perform a diagnostic test of their hearing aid components.</td>
</tr>
<tr>
<td><strong>Thrive Assistant</strong></td>
<td>Use voice commands* to get answers to questions, set reminders and control hearing aids.</td>
</tr>
<tr>
<td><strong>Personalized Control</strong></td>
<td>Make personalized, real-time adjustments.</td>
</tr>
<tr>
<td><strong>Phone Calls</strong></td>
<td>Answer calls and hear the conversation streamed directly to the hearing aids using compatible devices.</td>
</tr>
<tr>
<td><strong>Remote Control</strong></td>
<td>Patients can change volume and switch memories using their smartphone.</td>
</tr>
<tr>
<td><strong>Mask Mode</strong></td>
<td>A custom memory in the Thrive app that boosts the frequency response in certain channels to help patients better hear people who are wearing face masks.</td>
</tr>
<tr>
<td><strong>Personalized Memories</strong></td>
<td>Create custom memories and geotag memories so adjustments occur automatically when the user returns to that location.</td>
</tr>
<tr>
<td><strong>Auto Experience Manager</strong></td>
<td>Automatically adjusts loudness over time to help transition the new hearing experience comfortably.</td>
</tr>
<tr>
<td><strong>Siri Integration</strong></td>
<td>Have Siri® read texts and emails directly to the users’ hearing aids (available with Apple devices).</td>
</tr>
<tr>
<td><strong>Find My Hearing Aids</strong></td>
<td>Easily locate lost hearing aids.</td>
</tr>
<tr>
<td><strong>Adaptive Car Mode</strong></td>
<td>Hearing aids automatically change to reduce the annoying sounds of driving.</td>
</tr>
<tr>
<td><strong>Reminders</strong></td>
<td>Personalized or on-screen reminders for daily tasks such as taking medications.</td>
</tr>
</tbody>
</table>

*Voice-activated commands are exclusive to Livio Edge AI 2400, Livio AI 2000 and Livio AI 1600 hearing aids.*
Livio Edge AI delivers the most advanced artificial intelligence technology possible in modern hearing aids, providing patients with smart, immediate adjustments for the most challenging environments. It’s built on our award-winning Livio AI technology, which is available across multiple technology tiers so more patients can benefit from the power of AI.

Livio hearing aids are a great option for patients looking for superior sound with easy to use, convenient features like Self Check and Reminders.
ITE R
IN-THE-EAR RECHARGEABLE
Livio Edge AI 2400

Patient Features
• Tinnitus Technology
• Wireless Connectivity
• Lithium-Ion Rechargeable
• Telecoil

Accessories
• TV Streamer
• Remote Microphone +
• Remote Control
• Mini Remote Microphone
• Table Microphone
• Custom Charger
• Programmer

Color Guide
Faceplate Colors
Dark Brown
Oliveshade Brown Medium Brown Light Brown Pink Black
Shell Colors
Clear Light Brown Pink Blue/Red Black

Fitting Range

Thrive Technology
• Healthable hearing technology with embedded sensors and artificial intelligence
• Natural User Interface Tap Control
• Additional Thrive App Feature Options

ITE R Gain Data

Measurement
ANSI/IEC 2cc Coupler
IEC OES Coupler
Peak OSPL90 (dB SPL) 115-130 126-139
HFA OSPL90 (dB SPL) 110-122 N/A
RTF OSPL90 (dB SPL) N/A 119-139
Peak Gain (dB) 50-70 62-80
HFA Full-On Gain (dB) 45-64 N/A
RTF Full-On Gain (dB) N/A 55-78
Frequency Range (Hz) <100-8300 <100-9000
Reference Test Freq. (kHz) N/A 1.6
HFA Frequencies (kHz) 1.0, 1.6, 2.5 N/A
Reference Test Gain (dB) 32-46 45-64
Equivalent Input Noise (dB) <25 <25
Harmonic Distortion
500 Hz (%) <3 <3
800 Hz (%) <3 <3
1600 Hz (%) <3 <3

Induction Coil Sensitivity
HFA SPLITS (ANSI) (dB SPL) 95-108 N/A
MASL (IEC) (dB SPL) 78-96 N/A

Estimated Lithium-Ion Battery Life
Li-Ion Rechargeable Battery (hrs) Up to 24 hours*

Tinnitus Therapy Stimulus
Max RMS Output (dB SPL) 87
Weighted RMS Output Level (dB SPL) 87
Max 1/3 Octave Output (dB SPL) 87

*Results will vary based on wireless usage.
**Thrive Technology**

- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

**Patient Features**

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

**Accessories**

- TV Streamer
- Remote Microphone +
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

**Color Guide**

- Faceplate Colors: Dark Brown, Chestnut, Medium Brown, Light Brown, Pink, Black, Clear, Light Green, Pink, Blue/Pink, Black
- Shell Colors: Transparent, Blue, Red, Pink, Black, Clear, Brown, Light Brown, Black

**Fitting Range**

- Thrive Targets: HS R 40, HS R 50, HS R 60, HS R 70

---

**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>110-130</td>
<td>121-139</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>106-124</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>115-139</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40-70</td>
<td>53-79</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>36-63</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>46-78</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-9600</td>
<td>&lt;100-9600</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0, 1.6, 2.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>28-47</td>
<td>39-64</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
</tbody>
</table>

**Harmonic Distortion**

- 500 Hz (%): <3
- 800 Hz (%): <3
- 1600 Hz (%): <3

---

**Estimated Lithium-Ion Battery Life**

- Li-Ion Rechargeable Battery (hrs): Up to 24 hours*

---

**Tinnitus Therapy Stimulus**

- Max RMS Output (dB SPL): 87
- Weighted RMS Output Level (dB SPL): 87
- Max 1/3 Octave Output (dB SPL): 87

*Results will vary based on wireless usage.
Patient Features
- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories
- TV Streamer
- Remote Microphone +
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

Fitting Range

Thrive Technology
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options
Color Guide

Standard Colors
- Bright White
- Black
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

Patient Features
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telescopic
- Dual Radio (2.4 GHz + NMFI)
- Ear-to-Ear Streaming

Accessories
- TV Streamer
- Remote Microphone
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

Fitting Range

Thrive Technology
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

Measurements

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>107</td>
<td>120</td>
</tr>
<tr>
<td>RFA OSPL90 (dB SPL)</td>
<td>102</td>
<td>N/A</td>
</tr>
<tr>
<td>RFT OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>112</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40</td>
<td>52</td>
</tr>
<tr>
<td>RFA Full-On Gain (dB)</td>
<td>35</td>
<td>N/A</td>
</tr>
<tr>
<td>RFT Full-On Gain (dB)</td>
<td>N/A</td>
<td>43</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5 N/A</td>
<td>1.0,1.6,2.5</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>25</td>
<td>36</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
</tr>
</tbody>
</table>

Harmonic Distortion
- 500 Hz (%) <3
- 800 Hz (%) <3
- 1000 Hz (%) <3

*Results will vary based on wireless usage.
**RIC R AP**
RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Livio Edge AI 2400

**Color Guide**
- Standard Colors
  - Bright White with Sterling
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Dual Radio (2.4 GHz + NFMI)
  - Ear-to-Ear Streaming

**Accessories**
- TV Streamer
- Remote Microphone + Remote Control
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

**Fitting Range**

**Thrive Technology**
- Healtable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

---

### Measurement

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>133</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>117</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>130</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>66</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
<td>&lt;100-5700</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>40</td>
<td>55</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
</tr>
</tbody>
</table>

**Harmonic Distortion**
- 500 Hz (%)                              | <3               | <3              |
- 800 Hz (%)                               | <3               | <3              |
- 1600 Hz (%)                              | <3               | <3              |

**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Induction Coil Sensitivity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
<td>97</td>
<td>N/A</td>
</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>83</td>
<td>N/A</td>
</tr>
<tr>
<td>Estimated Lithium-Ion Battery Life</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Li-Ion Rechargeable Battery (hrs)</td>
<td>Up to 24 hours</td>
<td></td>
</tr>
<tr>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
</tbody>
</table>

---

*Results will vary based on wireless usage.*
**RIC 312**  
**RECEIVER-IN-CANAL**  
Livio Edge AI 2400

### Color Guide
- *Standard Colors*
  - Bright White with Sterling
  - Black
  - Slate
  - Sterling
  - Expresso
  - Bronze
  - Champagne

### Patient Features
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

### Accessories
- TV Streamer
- Remote Microphone +
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Programmer

### Thrive Technology
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

### Fitting Range

![Fitting Range Graph](image)

### Measurement

<details>
<summary>Sample Table</summary>

<table>
<thead>
<tr>
<th>Measurement</th>
<th>40 Gain Data</th>
<th>50 Gain Data</th>
<th>60 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSL (dB SPL)</td>
<td>107</td>
<td>115</td>
<td>120</td>
</tr>
<tr>
<td>HFA OSL (dB SPL)</td>
<td>102</td>
<td>109</td>
<td>117</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40</td>
<td>50</td>
<td>56</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>25</td>
<td>32</td>
<td>40</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Freq (kHz)</td>
<td>1.0, 1.6, 2.5</td>
<td>1.0, 1.6, 2.5</td>
<td>1.0, 1.6, 2.5</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>500 Hz (%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800 Hz (%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

*Results will vary based on wireless usage.*

Livio Edge AI
**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

**Accessories**
- TV Streamer
- Remote Microphone
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Programmer

**Color Guide**
- **Standard Colors**
  - Bright White
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

**Fitting Range**

**Thrive Technology**
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>133</td>
<td>130</td>
<td>140</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>117</td>
<td>N/A</td>
<td>124</td>
<td>N/A</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>130</td>
<td>N/A</td>
<td>139</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
<td>70</td>
<td>70</td>
<td>81</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
<td>65</td>
<td>N/A</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>66</td>
<td>N/A</td>
<td>78</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
<td>&lt;100-5700</td>
<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
<td>N/A</td>
<td>1.6</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>40</td>
<td>55</td>
<td>47</td>
<td>64</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
</tbody>
</table>

**Harmonic Distortion**
- 500 Hz (%) <3 <3 <3 <3
- 800 Hz (%) <3 <3 <3 <3
- 1600 Hz (%) <3 <3 <3 <3

*Results will vary based on wireless usage.*

Livio Edge AI 2400

---

**Livio Edge AI**

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

**Accessories**
- TV Streamer
- Remote Microphone
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Programmer

**Color Guide**
- **Standard Colors**
  - Bright White
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

**Fitting Range**

**Thrive Technology**
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
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<td>124</td>
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<td>1.7'</td>
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<td>139</td>
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<td>1.7'</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
<td>70</td>
<td>70</td>
<td>81</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
<td>65</td>
<td>N/A</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>66</td>
<td>N/A</td>
<td>78</td>
<td>1.7</td>
<td>1.7'</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
<td>&lt;100-5700</td>
<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
<td>N/A</td>
<td>1.6</td>
<td>4-7'</td>
<td>4-7'</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>40</td>
<td>55</td>
<td>47</td>
<td>64</td>
<td>4-7'</td>
<td>4-7'</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>4-7'</td>
<td>4-7'</td>
</tr>
</tbody>
</table>

**Harmonic Distortion**
- 500 Hz (%) <3 <3 <3 <3
- 800 Hz (%) <3 <3 <3 <3
- 1600 Hz (%) <3 <3 <3 <3

*Results will vary based on wireless usage.*
**mRIC 312**
**RECEIVER-IN-CANAL**

**Livio Edge AI 2400**

**Color Guide**

- **Standard Colors**
  - Bright White
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity

**Accessories**
- TV Streamer
- Remote Microphone +
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Programmer

**Fitting Range**

<table>
<thead>
<tr>
<th>Hearing Level in dB (HL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
</tr>
<tr>
<td>60</td>
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<tr>
<td>70</td>
</tr>
<tr>
<td>80</td>
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<tr>
<td>90</td>
</tr>
<tr>
<td>100</td>
</tr>
<tr>
<td>110</td>
</tr>
<tr>
<td>120</td>
</tr>
</tbody>
</table>

**Matrix:**
- **107/40**
- **115/50**
- **120/60**

**Thrive Technology**
- Healable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

**Gain Data**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/I EC 2cc Coupler</th>
<th>IEC DES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL 90 (dB SPL)</td>
<td>107</td>
<td>120</td>
</tr>
<tr>
<td>NBF OSPL 50 (dB SPL)</td>
<td>102</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL 90 (dB SPL)</td>
<td>N/A</td>
<td>112</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40</td>
<td>52</td>
</tr>
<tr>
<td>NBF Full-On Gain (dB)</td>
<td>35</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>43</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-9600</td>
<td>&lt;100-9600</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>NBF Frequencies (kHz)</td>
<td>1.0, 1.6, 2.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>25</td>
<td>36</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
</tr>
</tbody>
</table>

**Reference Test Gain (dB)**

- 25
- 36
- 32
- 44
- 40
- 52
- 26
- 26
- 26
- 26

**Harmatic Distortion**

- 500 Hz (%) <3
- 800 Hz (%) <3
- 1600 Hz (%) <3

**Battery Size:** 312

**Results will vary based on wireless usage.**
mRIC 312 AP
RECEIVER-IN-CANAL Absolute Power
Livio Edge AI 2400

Color Guide
Standard Colors
- Bright White with Sterling
- Black
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

Patient Features
- Tinnitus Technology
- Wireless Connectivity

Accessories
- TV Streamer
- Remote Microphone +
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Programmer

Fitting Range

Thrive Technology
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

Gain Data

<table>
<thead>
<tr>
<th>Measurement</th>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>133</td>
<td>130</td>
<td>140</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>117</td>
<td>N/A</td>
<td>124</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>130</td>
<td>N/A</td>
<td>139</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>60</td>
<td>70</td>
<td>70</td>
<td>81</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
<td>65</td>
<td>N/A</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
<td>&lt;100-5700</td>
<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
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<tr>
<td>Reference Test Gain (dB)</td>
<td>40</td>
<td>55</td>
<td>47</td>
<td>64</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
</tbody>
</table>

Harmonic Distortion
- 500 Hz (%) <3 <3 <3 <3
- 800 Hz (%) <3 <3 <3 <3
- 1600 Hz (%) <3 <3 <3 <3

Measurement

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/IEC Battery Current (mA)</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>Estimated Lithium-Ion Battery Life</td>
<td>312 Zinc Air (days)</td>
<td>4-7' 4-7'</td>
</tr>
<tr>
<td>Tinnitus Therapy Stimulus</td>
<td>Max RMS Output (dB SPL)</td>
<td>87 87</td>
</tr>
<tr>
<td>Weighted RMS Output Level</td>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87 87</td>
</tr>
</tbody>
</table>

*Results will vary based on wireless usage.
Livio Edge AI 2400

**BTE R** BEHIND-THE-EAR RECHARGEABLE

---

**Color Guide**

Standard Colors
- Bright White
- Black
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

---

**Patient Features**

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Telecoil
- Lithium-Ion Rechargeable

---

**Accessories**

- TV Streamer
- Remote Microphone +
- Remote Control
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

---

**Fitting Range**

![Fitting Range Graph](image)

**Thrive Technology**

- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

---

**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>130</td>
<td>135</td>
<td>123</td>
<td>126</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>124</td>
<td>N/A</td>
<td>113</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>135</td>
<td>N/A</td>
<td>118</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>70</td>
<td>75</td>
<td>68</td>
<td>72</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>62</td>
<td>N/A</td>
<td>57</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>75</td>
<td>N/A</td>
<td>62</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100–7600</td>
<td>&lt;100–7600</td>
<td>&lt;100–5000</td>
<td>&lt;100–6900</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
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<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>47</td>
<td>60</td>
<td>36</td>
<td>43</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>24</td>
<td>18</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>Harmonic Distortion 500 Hz (%)</td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>800 Hz (%)</td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>1600 Hz (%)</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

---

**Estimated Lithium ION Battery Life**

- Li-Ion Rechargeable Battery (hrs)
  - Up to 24 hours*

---

**Tinnitus Therapy Stimulus**

- Max RMS Output (dB SPL) 92
- Weighted RMS Output Level (dB SPL) 92
- Max 1/3 Octave Output (dB SPL) 92

---

*Results will vary based on wireless usage.
# BTE 13
BEHIND-THE-EAR
Livio Edge AI 2400

## Color Guide

| Standard Colors | Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne |

## Patient Features
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
- Ear-to-Ear Streaming

## Accessories
- TV Streamer
- Remote Microphone + Remote Control
- Mini Remote Microphone
- Table Microphone
- Programmer

## Fitting Range

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>250</th>
<th>500</th>
<th>1K</th>
<th>2K</th>
<th>4K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hearing Level in dB (HL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Thrive Technology
- Healthable hearing technology with embedded sensors and artificial intelligence
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

## Measurement

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANS/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANS/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANS/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>130</td>
<td>136</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>122</td>
<td>N/A</td>
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<td></td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
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<td>Peak Gain (dB)</td>
<td>70</td>
<td>76</td>
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<td>HFA Full-On Gain (dB)</td>
<td>62</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>Frequency Range (Hz)</td>
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<td>&lt;100-7600</td>
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<td></td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
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<td>1.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>45</td>
<td>59</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>24</td>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harmonic Distortion 500 Hz (%)</td>
<td>&lt;3</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>800 Hz (%)</td>
<td>&lt;5</td>
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<td></td>
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<tr>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Induction Coil Sensitivity</td>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
<td>101</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>92</td>
<td>N/A</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ANS/IEC Battery Current (mA)</td>
<td>1.9′</td>
<td>1.8′</td>
<td></td>
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## Estimated Battery Life for 16-Hour Day

- 312 Zinc Air (days) | 7-11′ | 7-11′ | | | | |

## Tinnitus Therapy Stimulus

| Max RMS Output (dB SPL) | 87 | | | | | |
| Weighted RMS Output Level (dB SPL) | 87 | | | | | |
| Max 1/3 Octave Output (dB SPL) | 87 | | | | | |

*Results will vary based on wireless usage.*
**ITE R**
IN-THE-EAR RECHARGEABLE
Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

**Color Guide**
Faceplate Colors
- Dark Brown
- Chestnut Brown
- Medium Brown
- Light Brown
- Pink
- Shell
- Clear
- Light Brown
- Pink
- Blue/Ted
- Black

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable
- Telecoil

**Accessories**
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

**Fitting Range**
- **Matrices:** 115/50, 120/60, 130/70

**Thrive Technology**
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

**ITE R Gain Data**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>115-130</td>
<td>126-139</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>110-123</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>119-139</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>50-70</td>
<td>62-80</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>45-64</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>55-78</td>
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<td>HFA Frequencies (kHz)</td>
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<td>Reference Test Gain (dB)</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
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</table>

**Harmonic Distortion**
- 500 Hz (%) <3
- 800 Hz (%) <3
- 1600 Hz (%) <3

**Induction Coil Sensitivity**
- HFA SPLITS (ANSI) (dB SPL) 95-108 N/A
- MASL (IEC) (dB SPL) 78-96 N/A

**Estimated Lithium-Ion Battery Life**
- Li-Ion Rechargeable Battery (hrs) Up to 24 hours**

**Tinnitus Therapy Stimulus**
- Max RMS Output (dB SPL) 87
- Weighted RMS Output Level (dB SPL) 87
- Max 1/3 Octave Output (dB SPL) 87

*Available on Livio AI only.
**Results will vary based on wireless usage.
**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable
- Telecoil

**Accessories**
- TV Streamer
- Remote Microphone + Remote
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

**Fitting Range**

**Thrive Technology**
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

---

**ITE R Gain Data**

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<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
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<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
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<tr>
<td>Peak Gain (dB)</td>
<td>50-70</td>
<td>62-80</td>
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<tr>
<td>HFA Full-On Gain (dB)</td>
<td>45-64</td>
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<td>RTF Full-On Gain (dB)</td>
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<td>Harmonic Distortion</td>
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500 Hz (%) <3 <3
800 Hz (%) <3 <3
1600 Hz (%) <3 <3

---

**Induction Coil Sensitivity**
- HFA SPLITS (ANSI) (dB SPL) 95-108 N/A
- MASL (IEC) (dB SPL) 78-96 N/A

**Estimated Lithium-Ion Battery Life**
- Li-Ion Rechargeable Battery (hrs) Up to 24 hours***

**Tinnitus Therapy Stimulus**
- Max RMS Output (dB SPL) 87
- Weighted RMS Output Level (dB SPL) 87
- Max 1/3 Octave Output (dB SPL) 87

*Available on Livio AI only.
**The highest matrix of 130/70 is not offered on 1000 technology tier.
***Results will vary based on wireless usage.
**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

**Accessories**
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

**Thrive Technology**
- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

---

**HS R Gain Data**

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<th>Measurement</th>
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<td>RTF OSPL90 (dB SPL)</td>
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<td>Peak Gain (dB)</td>
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<td>53-79</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>RTF Full-On Gain (dB)</td>
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<td>HFA Frequencies (kHz)</td>
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<td>Reference Test Gain (dB)</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>Harmonic Distortion (800 Hz, %)</td>
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<td>Harmonic Distortion (1600 Hz, %)</td>
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</table>

**Estimated Lithium-Ion Battery Life**
- Li-Ion Rechargeable Battery (hrs): Up to 24 hours

**Tinnitus Therapy Stimulus**
- Max RMS Output (dB SPL): 87
- Weighted RMS Output Level (dB SPL): 87
- Max 1/3 Octave Output (dB SPL): 87

---

*Available on Livio AI only.
*Results will vary based on wireless usage.
HS R
HALF SHELL RECHARGEABLE
Livio Al 1200
Livio 1200 | 1000

Patient Features
• Tinnitus Technology
• Wireless Connectivity
• Lithium-Ion Rechargeable

Accessories
• TV Streamer
• Remote Microphone + Remote
• Mini Remote Microphone
• Table Microphone
• Custom Charger
• Programmer

Thrive Technology
• Embedded Sensors*
• Natural User Interface Tap Control*
• Additional Thrive App Feature Options

Color Guide
Faceplate Colors
• Dark Brown
• Chestnut
• Medium Brown
• Light Brown
• Pink
• Black
• Clear
• Light Brown
• Blue/Red
• Pink
• Black
• Clear

Shell Colors
• Light Brown
• Pink
• Black/Red
• Black

Fitting Range
Hearing Level in dB (HL)
Frequency (Hz)
0 10 20 30 40 50 60 70 80 90 100 110 120 130
250 500 1K 2K 4K 6K 8K

HS R Gain Data
Measurement
ANSI/IEC 2cc Coupler IEC OES Coupler
Peak OSPL90 (dB SPL) 110-130 121-139
HFA OSPL90 (dB SPL) 106-124 N/A
RTF OSPL90 (dB SPL) N/A 115-139
Peak Gain (dB) 40-70 53-79
HFA Full-On Gain (dB) 36-63 N/A
RTF Full-On Gain (dB) N/A 46-78
Frequency Range (Hz) <100-7900 <100-8000
Reference Test Freq. (kHz) N/A 1.6
HFA Frequencies (kHz) 1.0, 1.6, 2.5 N/A
Reference Test Gain (dB) 28-47 39-64
Equivalent Input Noise (dB) <25 <25

Harmonic Distortion
500 Hz (%) <3 <3
800 Hz (%) <3 <3
1600 Hz (%) <3 <3

Estimated Lithium-Ion Battery Life
Li-Ion Rechargeable Battery (hrs) Up to 24 hours***

Tinnitus Therapy Stimulus
Max RMS Output (dB SPL) 87
Weighted RMS Output Level (dB SPL) 87
Max 1/3 Octave Output (dB SPL) 87

*Available on Livio AI only.
**The highest matrix of 130/70 is not offered on 1000 technology tier.
***Results will vary based on wireless usage.
### Color Guide

**Faceplate Colors**
- Dark Brown
- Chestnut
- Medium Brown
- Light Brown
- Pink
- Black

**Shell Colors**
- Clear
- Light Brown
- Pink
- Black
- Red

### Patient Features
- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

### Accessories
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

### Fitting Range

![Fitting Range Graph]

### Thrive Technology
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

### ITC R Gain Data

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<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
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<td>RTF OSPL90 (dB SPL)</td>
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<td>Peak Gain (dB)</td>
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<td>53-79</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>46-78</td>
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<tr>
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<tr>
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<td>39-64</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
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<td>&lt;.25</td>
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### Harmonic Distortion
- 500 Hz (%) | <3 |
- 800 Hz (%) | <3 |
- 1600 Hz (%) | <3 |

### ITC R Gain Data

<table>
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<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tr>
<td>Estimated Lithium-Ion Battery Life</td>
<td>Li-Ion Rechargeable Battery Life</td>
<td>Up to 24 hours**</td>
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<tr>
<td>Tinnitus Therapy Stimulus</td>
<td>Max RMS Output (dB SPL)</td>
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</tr>
<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
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*Available on Livio AI only.
**Results will vary based on wireless usage.
## ITC R
### IN-THE-CANAL RECHARGEABLE

Livio AI 1200
Livio 1200 | 1000

### Color Guide

<table>
<thead>
<tr>
<th>Faceplate Colors</th>
<th>Shell Colors</th>
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</thead>
<tbody>
<tr>
<td>Dark Brown</td>
<td>Clear Black</td>
</tr>
<tr>
<td>Chestnut</td>
<td>Light Brown</td>
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<tr>
<td>Medium Brown</td>
<td>Pink Black</td>
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<td>Pink</td>
<td>Black Black</td>
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<tr>
<td>Black</td>
<td>Pink Black</td>
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### Patient Features
- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

### Accessories
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

### Fitting Range

**Thrive Technology**
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

### ITC R Gain Data

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>115-139</td>
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<td>Peak Gain (dB)</td>
<td>40-70</td>
<td>53-79</td>
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<tr>
<td>HFA Full-On Gain (dB)</td>
<td>36-63</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>46-78</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
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<td>HFA Frequencies (kHz)</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
<td>&lt;25</td>
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</tbody>
</table>

**Harmonic Distortion**
- 500 Hz (%) <3 <3
- 800 Hz (%) <3 <3
- 1600 Hz (%) <3 <3

### Livio AI/Livio

*Available on Livio AI only.

**Estimated Lithium-Ion Battery Life**
- Li-Ion Rechargeable Battery Life: Up to 24 hours***

**Tinnitus Therapy Stimulus**
- Max RMS Output (dB SPL): 87
- Weighted RMS Output Level (dB SPL): 87
- Max 1/3 Octave Output (dB SPL): 87

***Results will vary based on wireless usage.
**RIC R**

**RECEIVER-IN-CANAL RECHARGEABLE**

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

---

**Color Guide**

Standard Colors:
- Bright White
- Black
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

---

**Patient Features**

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
  Ear-to-Ear Streaming

---

**Accessories**

- TV Streamer
- Remote Microphone + Remote
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

---

**Fitting Range**

- **RIC R 40**
- **RIC R 50**
- **RIC R 60**

---

**Thrive Technology**

- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

---

### Measurement

**Gain Data**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
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<td>26</td>
<td>26</td>
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**Harmonic Distortion**

- 500 Hz (%) | <3 | <3 | <3 | <3 | <3 | <3 |
- 800 Hz (%) | <3 | <3 | <3 | <3 | <3 | <3 |
- 1000 Hz (%) | <3 | <3 | <3 | <3 | <3 | <3 |

---

**Induction Coil Sensitivity**

- HFA SPLITS (ANSI) (dB SPL) | 83 | N/A | 89 | N/A | 97 | N/A |
- MASL (IEC) (dB SPL) | 64 | N/A | 75 | N/A | 84 | N/A |

**Estimated Lithium-Ion Battery Life**

- Li-Ion Rechargeable Battery (hrs) Up to 24 hours**

**Tinnitus Therapy Stimulus**

- Max RMS Output (dB SPL) | 87 | 87 | 87 |
- Weighted RMS Output Level (dB SPL) | 87 | 87 | 87 |
- Max 1/3 Octave Output (dB SPL) | 87 | 87 | 87 |

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*Available on Livio AI only.

**Results will vary based on wireless usage.
**Matrices:** 107/40, 115/50, 120/60

**Battery Size:** Encased 312

---

**Livio Al 1200**

**Livio 1200 | 1000**

---

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
- Ear-to-Ear Streaming

**Color Guide**
- Bright White
- Black
- Slate
- Sterling
- Expresso
- Bronze
- Champagne

**Fitting Range**

**Accessories**
- TV Streamer
- Remote Microphone
- Remote
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

**Thrive Technology**
- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

---

**Measurement**

<table>
<thead>
<tr>
<th>ANSI/IEC</th>
<th>IEC DES</th>
<th>ANSI/IEC</th>
<th>IEC DES</th>
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<tr>
<td>Peak OSLP90 (dB SPL)</td>
<td>107</td>
<td>120</td>
<td>115</td>
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<td>HFA OSLP90 (dB SPL)</td>
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<td>N/A</td>
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<tr>
<td>RTF OSLP90 (dB SPL)</td>
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<td>RTF Full-On Gain (dB)</td>
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**Gain Data**

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<tr>
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<td>109</td>
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<td>Peak Gain (dB)</td>
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<tr>
<td>HFA Full-On Gain (dB)</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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**Harmonic Distortion**

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<tr>
<th>Frequency (Hz)</th>
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<th>ANSI/IEC</th>
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<th>ANSI/IEC</th>
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<td>800 Hz (%)</td>
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<td>Induction Coil Sensitivity</td>
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<td>89</td>
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<td>up to 24 hours</td>
<td>up to 24 hours</td>
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**Tinnitus Therapy Stimulus**

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<th>ANSI/IEC</th>
<th>IEC DES</th>
<th>ANSI/IEC</th>
<th>IEC DES</th>
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<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td>87</td>
<td>87</td>
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<td>Weighted RMS Output Level (dB SPL)</td>
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<td>87</td>
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<tr>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
<td>87</td>
<td>87</td>
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*Available on Livio Al only.
**Available on 1200 technology tier only.
***Results will vary based on wireless usage.
Color Guide
Standard Colors
- Bright White with Sterling
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

Patient Features
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
- Ear-to-Ear Streaming

Accessories
- TV Streamer
- Remote Microphone + Remote
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

Thrive Technology
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

Measurement ANSI/IEC 2cc Coupler IEC OES Coupler ANSI/IEC 2cc Coupler IEC OES Coupler ANSI/IEC 2cc Coupler IEC OES Coupler

<table>
<thead>
<tr>
<th>Measurement</th>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>133</td>
<td>130</td>
<td>140</td>
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<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>117</td>
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<td>124</td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
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<td>N/A</td>
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<tr>
<td>Peak Gain (dB)</td>
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<td>70</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>N/A</td>
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<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
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<td>Reference Test Freq. (kHz)</td>
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<td>N/A</td>
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<td>1.0,1.6,2.5</td>
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<td>Reference Test Gain (dB)</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>26</td>
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<td>&lt;3</td>
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<td>&lt;3</td>
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*Available on Livio AI only.
**Results will vary based on wireless usage.
Fitting Range

Livio AI 1200
Livio 1200 | 1000

Patient Features
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
  Ear-to-Ear Streaming

Accessories
- TV Streamer
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- Remote
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

Thrive Technology
- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

Gain Data

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>133</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>117</td>
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</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
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</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
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<tr>
<td>Frequency Range (Hz)</td>
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<td>&lt;100-5700</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
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<tr>
<td>Reference Test Gain (dB)</td>
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<td>55</td>
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<tr>
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<tr>
<td>Induction Coil Sensitivity</td>
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<td></td>
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<tr>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
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<td>MASL (IEC) (dB SPL)</td>
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<td>Estimated Lithium-Ion Battery Life</td>
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<tr>
<td>Li-Ion Rechargeable Battery (hrs)</td>
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<tr>
<td>Tinnitus Therapy Stimulus</td>
<td></td>
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<tr>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
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<tr>
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Harmonic Distortion

<table>
<thead>
<tr>
<th>Frequency (%)</th>
<th>ANSI 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>500 Hz (%)</td>
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<td>800 Hz (%)</td>
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<td>&lt;3</td>
</tr>
<tr>
<td>1600 Hz (%)</td>
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<td>&lt;3</td>
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*Available on 1200 technology tier only.
** Available on Livio AI only.
***Results will vary based on wireless usage.
**RIC 312**
RECEIVER-IN-CANAL
Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

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  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

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**Fitting Range**

**Thrive Technology**
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

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<td>120</td>
<td>115</td>
<td>127</td>
<td>120</td>
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<tr>
<td>HFA OSPL90 (dB SPL)</td>
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<td>109</td>
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<td>127</td>
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<td>60</td>
<td>71</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>35</td>
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<td>RIC Full-On Gain (dB)</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>Harmonic Distortion</td>
<td>500 Hz (%)</td>
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<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
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<tr>
<td>800 Hz (%)</td>
<td>&lt;3</td>
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<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
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<td>1000 Hz (%)</td>
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<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
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*Available on Livio AI only.
**Results will vary based on wireless usage.**
**Matrices:** 107/40, 115/50, 120/60

**Battery Size:** 312

---

**Color Guide**

- Standard Colors
  - Bright White with Sterling
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

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- Remote
- Mini Remote Microphone
- Table Microphone
- Programmer

**Fitting Range**

![Fitting Range Graph](image)

**Thrive Technology**

- Embedded Sensors™
- Natural User Interface Tap Control™
- Additional Thrive App Feature Options

---

**Gain Data**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>40 Gain Data</th>
<th>50 Gain Data</th>
<th>60 Gain Data</th>
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<tr>
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<td>107</td>
<td>115</td>
<td>120</td>
</tr>
<tr>
<td>HFA OSPL 50 (dB SPL)</td>
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<td>109 N/A</td>
<td>117 N/A</td>
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<td>RTF OSPL 50 (dB SPL)</td>
<td>N/A 112 N/A</td>
<td>N/A 119 N/A</td>
<td>N/A 127 N/A</td>
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<tr>
<td>Peak Gain (dB)</td>
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<td>50</td>
<td>60</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
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<td>45 N/A</td>
<td>56 N/A</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>N/A 65 N/A</td>
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<td>&lt;100-7700</td>
<td>&lt;100-7700</td>
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<td>1.0,1.6,2.5</td>
<td>1.0,1.6,2.5</td>
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<tr>
<td>Reference Test Gain (dB)</td>
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<td>32</td>
<td>40</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
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**Harmonic Distortion**

<table>
<thead>
<tr>
<th>Frequency (%)</th>
<th>500 Hz</th>
<th>800 Hz</th>
<th>1000 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;3</td>
<td>&lt;3</td>
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<td></td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

---

**Results will vary based on wireless usage.**

---

*Available on Livio AI technology tier only.

**Livio AI/Livio**
**Patient Features**

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

**Color Guide**

- Standard Colors: Bright White with Sterling, Black, Silver, Sterling, Espresso, Breeze, Champagne

**Accessories**

- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Programmer

**Thrive Technology**

- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

---

### Fitting Range

**Measurement**

<table>
<thead>
<tr>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>IEC OES Coupler</td>
</tr>
<tr>
<td><strong>Peak OSPL90 (dB SPL)</strong></td>
<td>123</td>
</tr>
<tr>
<td><strong>HFA OSPL90 (dB SPL)</strong></td>
<td>117</td>
</tr>
<tr>
<td><strong>RTF OSPL90 (dB SPL)</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Peak Gain (dB)</strong></td>
<td>60</td>
</tr>
<tr>
<td><strong>HFA Full-On Gain (dB)</strong></td>
<td>54</td>
</tr>
<tr>
<td><strong>RTF Full-On Gain (dB)</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Frequency Range (Hz)</strong></td>
<td>&lt;100-5500</td>
</tr>
<tr>
<td><strong>Reference Test Freq. (kHz)</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>HFA Frequencies (kHz)</strong></td>
<td>1.0, 1.6, 2.5</td>
</tr>
<tr>
<td><strong>Reference Test Gain (dB)</strong></td>
<td>40</td>
</tr>
<tr>
<td><strong>Equivalent Input Noise (dB)</strong></td>
<td>26</td>
</tr>
<tr>
<td><strong>Harmonic Distortion</strong></td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

### Measurement

<table>
<thead>
<tr>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANSI/IEC Battery Current (mA)</strong></td>
<td>1.7*</td>
</tr>
<tr>
<td><strong>Idle Current (mA)</strong></td>
<td>1.7*</td>
</tr>
<tr>
<td><strong>Estimated Lithium-Ion Battery Life</strong></td>
<td>4-7**</td>
</tr>
<tr>
<td><strong>Tinnitus Therapy Stimulus</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Max RMS Output (dB SPL)</strong></td>
<td>87</td>
</tr>
<tr>
<td><strong>Weighted RMS Output Level (dB SPL)</strong></td>
<td>87</td>
</tr>
<tr>
<td><strong>Max 1/3 Octave Output (dB SPL)</strong></td>
<td>87</td>
</tr>
</tbody>
</table>

---

*Available on Livio AI only.

*Results will vary based on wireless usage.
**Color Guide**

- Bright White with Sterling
- Black
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFM)
- Ear-to-Ear Streaming

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFM)
- Ear-to-Ear Streaming

**Accessories**
- TV Streamer
- Remote Microphone
- Mini Remote Microphone
- Table Microphone
- Programmer

**Fitting Range**

**Thrive Technology**
- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive App Feature Options

---

### Measurement

#### 60 Gain Data

<table>
<thead>
<tr>
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<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>133</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>117</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>130</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>65</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
<td>&lt;100-5700</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0, 1.6, 2.5</td>
<td>N/A</td>
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<tr>
<td>Reference Test Gain (dB)</td>
<td>40</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
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<tr>
<td>Harmonic Distortion</td>
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</table>

#### 70 Gain Data

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>130</td>
<td>140</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>124</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>139</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>70</td>
<td>81</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>65</td>
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</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>78</td>
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<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0, 1.6, 2.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>47</td>
<td>64</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
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<td>26</td>
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<tr>
<td>Harmonic Distortion</td>
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### Measurement

**Backend Test**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANLS Battery Current (mA)</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>Estimated Lithium-Ion Battery Life</td>
<td>312 Zinc Air (days)</td>
<td>4-7</td>
</tr>
<tr>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
<td>87</td>
</tr>
</tbody>
</table>

---

*Available on 1200 technology tier only.
**Available on Livio AI only.
***Results will vary based on wireless usage.
### Matrices:
- 107/40
- 115/50
- 120/60

### Battery Size:
- 312

### Hearing Level in dB (HL)

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>0</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>100</th>
<th>110</th>
<th>120</th>
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</thead>
<tbody>
<tr>
<td>FOG 50 (dB)</td>
<td>40</td>
<td>40</td>
<td>55</td>
<td>75</td>
<td>80</td>
<td>85</td>
<td>90</td>
<td>95</td>
<td>100</td>
<td>105</td>
<td>110</td>
<td>115</td>
<td>120</td>
</tr>
</tbody>
</table>

### Color Guide
- Standard Colors: Bronze, Slate, Sterling, Champagne, Bright White
- With Sterling: Black, Espresso

### Features
- **Patient Features**
  - Tinnitus Technology
  - Wireless Connectivity
- **Accessories**
  - TV Streamer
  - Remote Microphone
  - Mini Remote Microphone
  - Table Microphone
  - Programmer
- **Thrive Technology**
  - Embedded Sensors
  - Natural User Interface Tap Control
  - Additional Thrive App Feature Options

### Measurement ANSI/IEC
- 2cc Coupler
- IEC OES

<table>
<thead>
<tr>
<th>Frequency Range (Hz)</th>
<th>&lt;100-9400</th>
<th>&lt;100-9600</th>
<th>&lt;100-9200</th>
<th>&lt;100-9600</th>
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<tbody>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
<td>N/A</td>
<td>1.6</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
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<td>Reference Test Gain (dB)</td>
<td>25</td>
<td>36</td>
<td>32</td>
<td>40</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
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<td></td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Peak Gain (dB)
- 40 52 50 63 60 71

### HFA Full-On Gain (dB)
- 35 N/A 45 N/A 56 N/A

### RTF Full-On Gain (dB)
- N/A 43 N/A 55 N/A 65

### Reference Test Gain (dB)
- 25 36 32 44 40 52

### Equivalent Input Noise (dB)
- 26 26 26 26 26 26

### Fitting Range

### Receiver-in-Canal
- mRIC 312

### mRIC 312
- Livio 2400 | 2000 | 1600
- Livio AI 2000 | 1600

### Patient Features
- Additional Thrive App Feature Options

### Accessories
- TV Streamer
- Remote Microphone
- Mini Remote Microphone
- Table Microphone
- Programmer
### Color Guide

- **Standard Colors**
  - Bright White with Sterling
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

### Patient Features
- Tinnitus Technology
- Wireless Connectivity

### Accessories
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Programmer

### Fitting Range

![Fitting Range Diagram](image)

#### Thrive Technology
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

### Measurement Data

#### ANSI/IEC 2cc Coupler

<table>
<thead>
<tr>
<th>Measurement</th>
<th>40 Gain Data</th>
<th>50 Gain Data</th>
<th>60 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>107</td>
<td>109</td>
<td>117</td>
</tr>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>102</td>
<td>119</td>
<td>127</td>
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<tr>
<td>IEC OES Coupler</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>IEC OES Coupler</td>
<td>40</td>
<td>50</td>
<td>60</td>
</tr>
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<td>IEC OES Coupler</td>
<td>35</td>
<td>45</td>
<td>56</td>
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<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-7700</td>
<td>&lt;100-7800</td>
<td>&lt;100-7800</td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
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<td>N/A</td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>1.0,1.6,2.5</td>
<td>1.0,1.6,2.5</td>
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<tr>
<td>Harmonic Distortion</td>
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<td>&lt;3</td>
<td>&lt;3</td>
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#### ANSI/IEC 2cc Coupler

<table>
<thead>
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<th>Measurement</th>
<th>40 Gain Data</th>
<th>50 Gain Data</th>
<th>60 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>1.8</td>
<td>1.9**</td>
<td>2.1**</td>
</tr>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>1.7**</td>
<td>1.7**</td>
<td>1.8**</td>
</tr>
<tr>
<td>IEC OES Coupler</td>
<td>1.7**</td>
<td>1.7**</td>
<td>1.9**</td>
</tr>
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<td>IEC OES Coupler</td>
<td>4.7**</td>
<td>4.7**</td>
<td>4.7**</td>
</tr>
<tr>
<td>IEC OES Coupler</td>
<td>4.7**</td>
<td>4.7**</td>
<td>4.7**</td>
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#### ANSI/IEC 2cc Coupler

<table>
<thead>
<tr>
<th>Measurement</th>
<th>40 Gain Data</th>
<th>50 Gain Data</th>
<th>60 Gain Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Current (mA)</td>
<td>1.8**</td>
<td>1.7**</td>
<td>2.1**</td>
</tr>
<tr>
<td>Battery Current (mA)</td>
<td>1.8**</td>
<td>1.7**</td>
<td>1.8**</td>
</tr>
<tr>
<td>Estimated Battery Life 10-Hour</td>
<td>4.7**</td>
<td>4.7**</td>
<td>4.7**</td>
</tr>
<tr>
<td>Tinnitus Therapy Stimulus</td>
<td>87</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
<td>87</td>
<td>87</td>
</tr>
</tbody>
</table>

*Available on Livio AI only.
*Results will vary based on wireless usage.
### mRIC 312 AP
**RECEIVER-IN-CANAL Absolute Power**

**Livio AI 2000 | 1600**
**Livio 2400 | 2000 | 1600**

#### Color Guide
- **Standard Colors**
- **Bright White with Sterling**
- **Black**
- **Slate**
- **Sterling**
- **Espresso**
- **Bronze**
- **Champagne**

#### Patient Features
- **Tinnitus Technology**
- **Wireless Connectivity**

#### Accessories
- **TV Streamer**
- **Remote Microphone**
- **Table Microphone**
- **Programmer**

#### Thrive Technology
- **Embedded Sensors**
- **Natural User Interface Tap Control**
- **Additional Thrive App Feature Options**

#### Fitting Range
- **mRIC 312 60 AP**
- **mRIC 312 70 AP**

#### Measurement | ANSI/IEC 2cc Coupler | IEC OES Coupler | ANSI/IEC 2cc Coupler | IEC OES Coupler
---|---|---|---|---
**Peak OSPL90 (dB SPL)** | 123 | 133 | 130 | 140
**HFA OSPL90 (dB SPL)** | 117 | N/A | 124 | N/A
**RTF OSPL90 (dB SPL)** | N/A | 130 | N/A | 139
**Peak Gain (dB)** | 60 | 70 | 70 | 81
**HFA Full-On Gain (dB)** | 54 | N/A | 65 | N/A
**RTF Full-On Gain (dB)** | N/A | 66 | N/A | 78
**Frequency Range (Hz)** | <100-5500 | <100-5700 | <100-5800 | <100-5700
**Reference Test Freq. (kHz)** | N/A | 1.6 | N/A | 1.6
**HFA Frequencies (kHz)** | 1.0, 1.6, 2.5 | N/A | 1.0, 1.6, 2.5 | N/A
**Reference Test Gain (dB)** | 40 | 55 | 47 | 64
**Equivalent Input Noise (dB)** | 26 | 26 | 26 | 26
**Harmonic Distortion**
- **500 Hz (%)** | <3 | <3 | <3 | <3
- **800 Hz (%)** | <3 | <3 | <3 | <3
- **1600 Hz (%)** | <3 | <3 | <3 | <3

#### Measurement | ANSI/IEC 2cc Coupler | IEC OES Coupler | ANSI/IEC 2cc Coupler | IEC OES Coupler
---|---|---|---|---
**ANSI/IEC Battery Current (mA)** | 1.7** | 1.7** | 1.9** | 1.8**
**Idle Current (mA)** | 1.7** | 1.7** | 1.7** | 1.7**
**Estimated Lithium-Ion Battery Life**
- 312 Zinc Air (days) | 4-7** | 4-7** | 4-7** | 4-7**

#### Tinnitus Therapy Stimulus
- **Max RMS Output (dB SPL)** | 87 | 87
- **Weighted RMS Output Level (dB SPL)** | 87 | 87
- **Max 1/3 Octave Output (dB SPL)** | 87 | 87

---

*Available on Livio AI only.*

**Results will vary based on wireless usage.**
mRIC 312 AP
RECEIVER-IN-CANAL Absolute Power

Livio AI 1200
Livio 1200 | 1000

Color Guide

Patient Features
• Tinnitus Technology
• Wireless Connectivity

Accessories
• TV Streamer
• Remote Microphone +
• Remote
• Mini Remote Microphone
• Table Microphone
• Programmer

Fitting Range

Thrive Technology
• Embedded Sensors*
• Natural User Interface Tap Control*
• Additional Thrive App Feature Options

<table>
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<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
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<td>N/A</td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>130</td>
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<td>Peak Gain (dB)</td>
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<td>81</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
<td>65</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>66</td>
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<td>78</td>
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<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
<td>&lt;100-5700</td>
<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
<td>1.0,1.6,2.5</td>
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<td>40</td>
<td>55</td>
<td>47</td>
<td>64</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
</tbody>
</table>

Harmonic Distortion
500 Hz (%) | <3 | <3 | <3 | <3 |
800 Hz (%) | <3 | <3 | <3 | <3 |
1600 Hz (%) | <3 | <3 | <3 | <3 |

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>ANSI/IEC Battery Current (mA)</td>
<td>1.7”</td>
<td>1.7”</td>
<td>1.9”</td>
<td>1.8”</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.7”</td>
<td>1.7”</td>
<td>1.7”</td>
<td>1.7”</td>
</tr>
</tbody>
</table>

Estimated Lithium-Ion Battery Life
312 Zinc Air (days) | 4-7” | 4-7” | 4-7” | 4-7” |

Tinnitus Therapy Stimulus
Max RMS Output (dB SPL) | 87 | 87 | 87 | 87 |
Weighted RMS Output Level (dB SPL) | 87 | 87 | 87 |
Max 1/3 Octave Output (dB SPL) | 87 | 87 | 87 |

*Available on Livio AI only.
“Results will vary based on wireless usage.
**BTE R 70**

**Matrix:** 130/70

**Battery Size:** Encased 312

---

**Color Guide**

- **Standard Colors:**
  - Bright White with Sterling
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

---

**Patient Features**

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Telecoil
- Lithium-Ion Rechargeable

---

**Accessories**

- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

---

**Thrive Technology**

- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

---

**Fitting Range**

---

**Measurement**

<table>
<thead>
<tr>
<th>Earhook</th>
<th>Thin Tube (Size 3, Occluded)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANSI/IEC 2cc Coupler</strong></td>
<td></td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>120</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>70</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>62</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-7600</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0, 1.6, 2.5</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>47</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>24</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>500 Hz (%)</td>
</tr>
<tr>
<td>800 Hz (%)</td>
<td>&lt;5</td>
</tr>
<tr>
<td>1600 Hz (%)</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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*Available on Livio AI only.

**Estimated Lithium ION Battery Life**

- Li-Ion Rechargeable Battery (hrs) Up to 24 hours**

---

**Measurement**

<table>
<thead>
<tr>
<th>Earhook</th>
<th>Thin Tube (Size 3, Occluded)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANSI/IEC 2cc Coupler</strong></td>
<td></td>
</tr>
<tr>
<td>Induction Coil Sensitivity</td>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>92</td>
</tr>
<tr>
<td>**Weighted RMS Output Level (dB SPL)</td>
<td>92</td>
</tr>
<tr>
<td>Li-Ion Rechargeable Battery (hrs)</td>
<td>Up to 24 hours**</td>
</tr>
</tbody>
</table>

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*Results will vary based on wireless usage.
**BTE R**

**BEHIND-THE-EAR**

Livio AI 1200
Livio 1200 | 1000

**Color Guide**

- Standard Colors
  - Bright White with Sterling
  - Black
  - Slate
  - Sterling
  - Espresso
  - Bronze
  - Champagne

**Patient Features**

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Telecoil
- Lithium-Ion Rechargeable

**Accessories**

- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Standard Charger
- Mini Turbo Charger
- Programmer

**Fitting Range**

- **Hearing Level in dB (HL)**
  - 0
  - 10
  - 20
  - 30
  - 40
  - 50
  - 60
  - 70
  - 80
  - 90
  - 100
  - 110
  - 120

- **Frequency (Hz)**
  - 250
  - 500
  - 1K
  - 2K
  - 4K
  - 8K

**Peak OSPL90 (dB SPL)**

- Earhook
  - 130
  - 124
  - N/A
  - 70
  - 62
  - N/A

- Thin Tube (Size 3, Occluded)
  - 135
  - 131
  - 75
  - 60
  - 57
  - N/A

**HFA OSPL90 (dB SPL)**

- Earhook
  - 130
  - 124
  - N/A
  - 70
  - 62
  - N/A

- Thin Tube (Size 3, Occluded)
  - 135
  - 131
  - 75
  - 60
  - 57
  - N/A

**RTF OSPL90 (dB SPL)**

- Earhook
  - N/A
  - 135
  - N/A
  - 70
  - 60
  - 62

- Thin Tube (Size 3, Occluded)
  - N/A
  - 135
  - N/A
  - 70
  - 60
  - 62

**Peak Gain (dB)**

- Earhook
  - 70
  - 68
  - 57
  - N/A
  - 62

- Thin Tube (Size 3, Occluded)
  - 75
  - 72
  - N/A
  - 62

**HFA Full-On Gain (dB)**

- Earhook
  - N/A
  - 57
  - N/A

- Thin Tube (Size 3, Occluded)
  - N/A
  - 62

**RTF Full-On Gain (dB)**

- Earhook
  - N/A
  - 62

- Thin Tube (Size 3, Occluded)
  - N/A
  - 62

**Frequency Range (Hz)**

- Earhook
  - <100
  - <100
  - <100
  - 100-7600
  - 100-7600
  - 100-5000

- Thin Tube (Size 3, Occluded)
  - <100
  - <100
  - <100
  - 100-7600
  - 100-7600
  - 100-6900

**Reference Test Freq. (kHz)**

- Earhook
  - N/A
  - 1.6

- Thin Tube (Size 3, Occluded)
  - N/A
  - 1.6

**HFA Frequencies (kHz)**

- Earhook
  - 1.0, 1.6, 2.5
  - N/A

- Thin Tube (Size 3, Occluded)
  - 1.0, 1.6, 2.5
  - N/A

**Reference Test Gain (dB)**

- Earhook
  - 47
  - 60

- Thin Tube (Size 3, Occluded)
  - 36
  - 43

**Equivalent Input Noise (dB)**

- Earhook
  - 24
  - 18

- Thin Tube (Size 3, Occluded)
  - 29
  - 29

**Harmonic Distortion**

- Earhook
  - 500 Hz (%)
    - <5

  - 800 Hz (%)
    - <5

  - 1600 Hz (%)
    - <1

- Thin Tube (Size 3, Occluded)
  - 500 Hz (%)
    - <3

  - 800 Hz (%)
    - <3

  - 1600 Hz (%)
    - <1

**Induction Coil Sensitivity**

- Earhook
  - HFA SPLIT (ANSI) (dB SPL)
    - 98

  - MASL (IEC) (dB SPL)
    - 92

- Thin Tube (Size 3, Occluded)
  - HFA SPLIT (ANSI) (dB SPL)
    - 98

  - MASL (IEC) (dB SPL)
    - 92

**Estimated Lithium ION Battery Life**

- Earhook
  - Li-Ion Rechargeable Battery (hrs)
    - Up to 24 hours**

- Thin Tube (Size 3, Occluded)
  - Li-Ion Rechargeable Battery (hrs)
    - Up to 24 hours**

**Tinnitus Therapy Stimulus**

- Earhook
  - Max RMS Output (dB SPL)
    - 92

  - Weighted RMS Output Level (dB SPL)
    - 92

- Thin Tube (Size 3, Occluded)
  - Max RMS Output (dB SPL)
    - 92

  - Weighted RMS Output Level (dB SPL)
    - 92

*Available on Livio AI only.
*Results will vary based on wireless usage.
BTE 13
BEHIND-THE-EAR
Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide
- Standard Colors
- Bright White with Sterling
- Black
- Slate
- Sterling
- Espresso
- Bronze
- Champagne

Patient Features
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
- Ear-to-Ear Streaming

Accessories
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Programmer

Fitting Range

Thrive Technology
- Embedded Sensors*
- Natural User Interface Tap Control*
- Additional Thrive App Feature Options

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>130</td>
<td>136</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>122</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>134</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>70</td>
<td>76</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>62</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>73</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-7600</td>
<td>&lt;100-7800</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>45</td>
<td>59</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>24</td>
<td>18</td>
</tr>
<tr>
<td>500 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
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<td>&lt;5</td>
<td>&lt;5</td>
</tr>
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<td>&lt;3</td>
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<td>MASL (IEC) (dB SPL)</td>
<td>92</td>
<td>N/A</td>
</tr>
<tr>
<td>Battery Current (mA)</td>
<td>1.9&quot;</td>
<td>1.8&quot;</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.7&quot;</td>
<td>1.7&quot;</td>
</tr>
</tbody>
</table>

Estimated Battery Life for 16-Hour Day
- 312 Zinc Air (days) 7-11"

Tinnitus Therapy Stimulus
- Max RMS Output (dB SPL) 87
- Weighted RMS Output Level (dB SPL) 87
- Max 1/3 Octave Output (dB SPL) 87

*Available on Livio AI only.
*Results will vary based on wireless usage.
**Patient Features**
- Tinnitus Technology
- Wireless Connectivity
- CROS System*
- Telecoil
- Dual Radio (2.4 GHz + NFMI)
- Ear-to-Ear Streaming

**Accessories**
- TV Streamer
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Programmer

---

**Color Guide**

| Standard Colors | Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne |

**Fitting Range**

**Thrive Technology**
- Embedded Sensors™
- Natural User Interface Tap Control™
- Additional Thrive App Feature Options

---

**Measurements**

### Earhook

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
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<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>134</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>70</td>
<td>76</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>62</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>73</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-7600</td>
<td>&lt;100-7600</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
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</tr>
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<td>59</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>24</td>
<td>18</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>500 Hz (%)</td>
<td>&lt;3</td>
</tr>
<tr>
<td></td>
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<td>&lt;5</td>
</tr>
<tr>
<td></td>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

### Thin Tube (Size 3, Occluded)

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>124</td>
<td>129</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
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<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
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</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>68</td>
<td>73</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>57</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
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<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-4600</td>
<td>&lt;100-6800</td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
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</tr>
<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
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<td>Reference Test Gain (dB)</td>
<td>35</td>
<td>39</td>
</tr>
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</tr>
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<td>92</td>
<td>N/A</td>
</tr>
<tr>
<td>ANSI/IEC Battery Current (mA)</td>
<td>1.9**</td>
<td>1.8***</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.7**</td>
<td>1.7***</td>
</tr>
</tbody>
</table>

**Estimated Battery Life for 16-Hour Day**

| 312 Zinc Air (days) | 7-11*** |

**Tinnitus Therapy Stimulus**

| Max RMS Output (dB SPL) | 87 |
| Weighted RMS Output Level (dB SPL) | 87 |
| Max 1/3 Octave Output (dB SPL) | 87 |

*Results will vary based on wireless usage.

---

Livio Al/Livio
The Starkey CROS System includes products specifically designed for patients who need sound routed to a better hearing ear. Starkey’s CROS solution transmits sound wirelessly from a microphone placed on a patient’s unaidable ear to a receiver fitted on a patient’s better hearing ear. Devices can also be configured as a BiCROS solution for patients who need amplification in their better hearing ear.

**Special Features**
- Clear and consistent wireless streaming using 2.4 GHz + NFMI technology
- Acuity OS 2 brings audibility and speech understanding to patients in any environment
- Full Acuity Immersion Directionality on the CROS transmitter
- Telecoil standard in Livio Edge Al, Livio Al and Livio CROS receivers
- Compatible with 2.4 GHz accessories

**Compatibility**
- Livio Edge Al/Livio Al/Livio RIC R CROS is compatible with Livio Edge Al/Livio Al/Livio RIC R
- Livio Edge Al/Livio Al/Livio RIC 312 CROS is compatible with Livio Edge Al/Livio Al/Livio RIC 312
- Livio Edge Al/Livio Al/Livio BTE 13 CROS is compatible with Livio Edge Al/Livio Al/Livio BTE 13

**Battery Information**

<table>
<thead>
<tr>
<th>Model</th>
<th>Battery size</th>
<th>IEC code</th>
<th>ANSI code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livio Edge Al/Livio Al/Livio RIC R CROS</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Livio Edge Al/Livio Al/Livio RIC 312 CROS</td>
<td>312</td>
<td>PR41</td>
<td>7002ZD</td>
</tr>
<tr>
<td>Livio Edge Al/Livio Al/Livio BTE 13 CROS</td>
<td>13</td>
<td>PR48</td>
<td>7002ZD</td>
</tr>
</tbody>
</table>

**Radio Information**
- Antenna type: Coil wrapped on ferrite core
- Operation frequency: 10.281 MHz NFMI
- Occupied bandwidth (99% BW): 400 kHz
- Modulation: 8 DPSK
- Operating range: 30 cm
- Wearing options: Receiver-In-Canal and Behind-The-Ear
- Use case: Streaming of audio signal to receiving hearing aid on the other ear

**Audio Information**
- Audio Quality: 20 kHz sampling frequency

**Standards Applied**
- USA
  - RIC 312 FCC ID: E0A-24LIVIOR312
  - RIC R FCC ID: E0A-24LIVIORCHG
  - BTE 13 FCC ID: E0A-24LIVIOB13
- Canada
  - RIC 312 IC: 6903A-24LIVIOR312
  - RIC R IC: 6903A-24LIVIORCHG
  - BTE 13 IC: 6903A-24LIVIOB13

**General Information**
- **Transportation and storage conditions for Zinc Air Products:**
  
  -40°C (~-40°F) to +60°C (140°F) and 10%-95% rH. Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from very cold up to 50°C (122°F).

- **Transportation and storage conditions for the RIC R:**
  
  Your hearing aids and charger should be stored within the temperature and humidity ranges of -10°C (14°F) to +45°C (113°F) and 10%-95% rH. The charging temperature range is between 0°C (32°F) and 40°C (104°F). Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from very cold up to 40°C (104°F). At the maximum operating temperature of 40°C (104°F), the hearing aid case temperature may reach 42°C (108°F).

- **Safety Standards:**
  
Accessories provide universal Bluetooth® connectivity

With our exceptional line of wireless accessories, our hearing aids work easily with the user’s smartphone, TV or media device to stream phone calls, music and more.
2.4 GHz ACCESSORIES

Table Microphone
Users can enjoy group settings like family gatherings or noisy restaurants. Eight built-in microphones detect the primary speaker’s voice and stream it to their 2.4 GHz hearing aids.

TV Streamer
Allows users to stream audio from their television or other electronic audio source directly to their 2.4 GHz hearing aids. It offers excellent sound quality, is easy to use and supports both analog and digital input sources.

Remote Microphone +
Enjoy one-on-one conversations in noisy environments and easily stream binaurally from four different audio sources: Bluetooth, Telecoil, FM or Line-In.

OrCam® MyEye
A vision-aid device available from OrCam that attaches to the wearer’s glasses and streams audio directly to their Livio Edge AI hearing aids.

For more information and to purchase, visit www.orcam.com.

Mini Remote Microphone
Your patients with older mobile devices can enjoy one-on-one conversations in noisy environments with our small, easy-to-use Mini Remote Microphone by clipping it to the clothing of the person being spoken to. It can also be used as a TV streamer by placing it near the sound source.

Remote
Also ideal for patients using older mobile devices, our remote includes updated features so they can control memory and volume, mute their 2.4 GHz hearing aids and turn other special features on and off.

Standard Charger and Custom Charger
Both chargers hold enough power to provide portable charging three times. LED indicators let patients know when their hearing aids are fully charged, and hearing aids turn on automatically when removed from the charger.

Mini Turbo Charger
A pocket-sized lithium-ion solution that provides a 3.5-hour charge in just seven minutes. A fully charged Mini Turbo Charger can completely charge a pair of RIC R or BTE R hearing aids four times.
Synergy: A life-changing platform

Challenging listening environments are often barriers to better hearing, but they are made easier with 900sync technology. Our Synergy platform gives your patients immersive experiences, enhanced sound quality and reliable technology.

- **Phone**: Direct audio streaming makes phone conversations easier.
- **Television**: Lets users stream favorite TV shows easily and understand them clearly.
- **Noise**: Helps patients better understand conversations in noisy environments like restaurants.
Custom hearing aids sit in the ears and not behind them, so they won’t get tangled or get pulled off when wearing or removing face masks.

The art and science of custom hearing aids

Hearing aid customization means creating a one-of-a-kind hearing aid that fits each patient’s exact ear anatomy for optimal comfort and performance. No two ears are alike, and that’s why we were the first to offer customization and are still the leaders in custom solutions today.

Picasso offers an immersive and impressive listening experience featuring Starkey’s superior sound enhancement system.
The technology to fit more patients

Our proven Synergy platform with Acuity OS 2 makes it easy for you to help patients who have severe-to-profound hearing loss with the 80-gain Muse iQ Power Plus BTE 13.
# Feature Overview

## Picasso

## Muse iQ

### Feature Overview

<table>
<thead>
<tr>
<th>Feature</th>
<th>Premium</th>
<th>Advanced</th>
<th>Select</th>
<th>Low</th>
<th>Basic</th>
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<td>Ear-to-Ear Technology:</td>
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<td>Acuity Binaural Imaging</td>
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<td>E2E Wind Noise Management</td>
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<td>E2E Music Adaptation</td>
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<td>Machine Noise</td>
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<td>Speech in Noise</td>
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<td>Tinnitus Technology</td>
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<td>OROS System*</td>
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<td>SunLink Accessory Compatibility</td>
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*IIC available in i2400/i2000/i1600 technology tiers only.

---

*Available for products with two microphones only.

**Available on Muse iQ Power Plus BTE 13 only.

---

*IIC available in i2400/i2000/i1600 technology tiers only.
CIC

COMPLETELY-IN-CANAL

Picasso i2400 | i2000 | i1600
Picasso 2400 | 2000 | 1600

Color Guide

Faceplate Colors
- Dark Brown
- Chestnut
- Medium Brown
- Light Brown
- Pink

Shell Colors
- Clear
- Light Brown
- Pink
- Blue/Red

Patient Features
- Tinnitus Technology
- Wireless Connectivity*

Accessories*
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Hearing Level in dB (HL)

Frequency  (Hz)
0 10 20 30 40 50 60 70 80 90 100 110 120 130 250 500 1K 2K 6K 4K 8K

Fitting Range

CIC Gain Data

Measurement
- ANSI/IEC 2cc Coupler
- IEC OES Coupler

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>110-130</td>
<td>120-137</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>106-124</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>110-130</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40-70</td>
<td>51-78</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>36-63</td>
<td>N/A</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>44-68</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-9400</td>
<td>&lt;100-9700</td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</td>
<td>1.6</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
<td>N/A</td>
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<tr>
<td>Reference Test Gain (dB)</td>
<td>29-47</td>
<td>35-55</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
<td>&lt;25</td>
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</table>

Harmonic Distortion
- 500 Hz (%)<3<3
- 800 Hz (%)<3<3
- 1600 Hz (%)<3<3
- ANSI/IEC Battery Current (mA)1.2-1.5” 1.2-1.5”
- Idle Current (mA)1.2-1.3” 1.2-1.3”

CIC Gain Data

Measurement
- ANSI/IEC 2cc Coupler
- IEC OES Coupler

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<td>Induction Coil Sensitivity</td>
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<tr>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
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<td>N/A</td>
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<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Estimated Battery Life for 16-Hour Day</td>
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<tr>
<td>312 Zinc Air (days)</td>
<td>7-10”</td>
<td>7-10”</td>
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<tr>
<td>10 Zinc Air (days)</td>
<td>4-7”</td>
<td>4-7”</td>
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</tbody>
</table>

Tinnitus Therapy Stimulus
- Max RMS Output (dB SPL) 87
- Weighted RMS Output Level (dB SPL) 87
- Max 1/3 Octave Output (dB SPL) 87

*Available with wireless products only.
“Results will vary based on wireless usage.
### CIC COMPLETELY-IN-CANAL

**Picasso i1200 | i1000**  
**Picasso 1200 | 1000**

### Color Guide

<table>
<thead>
<tr>
<th>Faceplate Colors</th>
<th>Shell Colors</th>
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</thead>
<tbody>
<tr>
<td>Dark Brown</td>
<td>Clear</td>
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<tr>
<td>Chestnut Brown</td>
<td>Light Brown</td>
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<tr>
<td>Medium Brown</td>
<td>Pink</td>
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<tr>
<td>Light Brown</td>
<td>Black/Red</td>
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</table>

### Patient Features
- Tinnitus Technology
- Wireless Connectivity

### Accessories
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

### Fitting Range

<table>
<thead>
<tr>
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<td>120-137</td>
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<tr>
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<td>N/A</td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>110-130</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40-70</td>
<td>51-78</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>36-63</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>Frequency Range (Hz)</td>
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### CIC Gain Data

<table>
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<tr>
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<th>ANSI/IEC 2cc Coupler</th>
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<tr>
<td>Induction Coil Sensitivity</td>
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<tr>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
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<tr>
<td>MASL (IEC) (dB SPL)</td>
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<tr>
<td>Idle Current (mA)</td>
<td>1.2-1.3**</td>
<td>1.2-1.3**</td>
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<tr>
<td>Estimated Battery Life for 16-Hour Day</td>
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</tr>
<tr>
<td>312 Zinc Air (days)</td>
<td>7-10**</td>
<td>7-10**</td>
</tr>
<tr>
<td>10 Zinc Air (days)</td>
<td>4-7**</td>
<td>4-7**</td>
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</table>

### Harmonic Distortion

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>500 Hz (%)</td>
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<td>&lt;3</td>
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<tr>
<td>800 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
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*Available with wireless products only.

**Results will vary based on wireless usage.**
**IIC INVISIBLE-IN-CANAL**

**Picasso i2400 | i2000 | i1600**

**Picasso 2400 | 2000 | 1600**

**Patient Features**
- Tinnitus Technology
- Wireless Connectivity*

**Accessories***
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

---

**Color Guide**

Faceplate Colors
- Black
- Dark Brown
- Medium Brown
- Light Brown
- Pink

Shell Colors
- Black
- Clear
- Dark Brown
- Cocoa Brown
- Light Brown
- Pink
- Blush/Red

---

**Fitting Range**

- **Picasso IIC 35**
- **Picasso IIC 45**
- **Picasso IIC 50**

---

**IIC Gain Data**

<table>
<thead>
<tr>
<th>Measurement</th>
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<tr>
<td>Peak OSPL90 (dB SPL)</td>
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<td>RTF OSPL90 (dB SPL)</td>
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<td>110-114</td>
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<td>Peak Gain (dB)</td>
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<td>45-61</td>
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<td>HFA Full-On Gain (dB)</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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**Harmonic Distortion**
- 500 Hz (%) ≤3
- 800 Hz (%) ≤3
- 1600 Hz (%) ≤3

---

**Induction Coil Sensitivity**
- HFA SPLITS (ANSI) (dB SPL) N/A N/A
- MASL (IEC) (dB SPL) N/A N/A
- ANSI/IEC Battery Current (mA) 1.2-1.5 N/A 1.2-1.4
- Idle Current (mA) 1.2 1.2

**Estimated Battery Life for 16-Hour Day**
- 10 Zinc Air (days) 4-7 4-7

**Tinnitus Therapy Stimulus**
- Max RMS Output (dB SPL) 87
- Weighted RMS Output Level (dB SPL) 87
- Max 1/3 Octave Output (dB SPL) 87

---

*Available with wireless products only.
*Results will vary based on wireless usage.
POWER PLUS BTE 13
BEHIND-THE-EAR

Muse iQ, i2400 | i2000 | i1600

Color Guide
Standard Colors
Bright White
Black
Slate
Sterling
Espresso
Bronze
Champagne

Patient Features
- Tinnitus Technology
- CROS System
- Telecoil
- IP Rating: 68

Accessories
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range

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<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
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<td>142</td>
<td>132</td>
<td>136</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>131</td>
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<td>RTF OSPL90 (dB SPL)</td>
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<td>76</td>
<td>82</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>N/A</td>
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<td>RTF Full-On Gain (dB)</td>
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<td>N/A</td>
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<td>&lt;100-5700</td>
<td>&lt;100-7000</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
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<td>1.0,1.6,2.5</td>
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<td>61</td>
<td>41</td>
<td>50</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>23</td>
<td>23</td>
<td>23</td>
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Harmonic Distortion
- 500 Hz (%) <3 <3 <3 <3
- 800 Hz (%) <3 <3 <3 <3
- 1600 Hz (%) <3 <3 <3 <3

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<tr>
<td>Induction Coil Sensitivity</td>
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</tr>
<tr>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
<td>112</td>
</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>98</td>
</tr>
<tr>
<td>ANSI/IEC Battery Current (mA)</td>
<td>2.5’</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.5’</td>
</tr>
</tbody>
</table>

Estimated Battery Life for 16-Hour Day
- 312 Zinc Air (days) 7-11’ | 7-11’ |
- 7-10’ | 7-10’ |

Tinnitus Therapy Stimulus
- Max RMS Output (dB SPL) 87 |
- Weighted RMS Output Level (dB SPL) 87 |
- Max 1/3 Octave Output (dB SPL) 87 |

*Results will vary based on wireless usage.
**Muse iQ Power Plus BTE 13**

**Color Guide**

Standard Colors:
- Bright White with Sterling
- Slate
- Sterling Express
- Bronze
- Champagne

**Patient Features**
- Tinnitus Technology
- Telecoil
- IP Rating: 68

**Accessories**
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
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<td>136</td>
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<td>80</td>
<td>84</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>78</td>
</tr>
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<td>Frequency Range (Hz)</td>
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<td>23</td>
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<tr>
<td>Harmonic Distortion</td>
<td>500 Hz (%)</td>
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<td></td>
<td>800 Hz (%)</td>
<td>&lt;3</td>
</tr>
<tr>
<td></td>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
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<td></td>
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<td>98</td>
</tr>
<tr>
<td>Battery Current (mA)</td>
<td>2.5°</td>
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<tr>
<td>Idle Current (mA)</td>
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<tr>
<td>Estimated Battery Life for 16-Hour Day</td>
<td>312 Zinc Air (days)</td>
<td>7-10°</td>
</tr>
<tr>
<td>Tinnitus Therapy Stimulus</td>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
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<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
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<tr>
<td>Max 1/3 Octave Output</td>
<td>87</td>
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</table>

*Results will vary based on wireless usage.*
CROS System

POWER PLUS BTE 13

The Starkey CROS System includes products specifically designed for patients who need sound routed to a better hearing ear. Starkey’s CROS solution transmits sound wirelessly from a microphone placed on a patient’s unaidable ear to a receiver fitted on a patient’s better hearing ear. Devices can also be configured as a BiCROS solution for patients who need amplification in their better hearing ear.

Special Features

• Clear and consistent wireless streaming using 900sync technology
• Acuity OS 2 brings audibility and speech understanding to patients in any environment
• Full Acuity Immersion Directionality on the CROS transmitter
• Telecoil standard in Muse iQ CROS receivers
• Compatible with SurfLink accessories

Compatibility

Muse iQ Power Plus BTE 13 CROS is compatible with Muse iQ Power Plus BTE 13

Battery Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Battery size</th>
<th>IEC code</th>
<th>ANSI code</th>
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<tr>
<td>Muse iQ Power Plus BTE 13 CROS</td>
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<td>PR48</td>
<td>7000ZD</td>
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</table>

Audio Information

Audio Quality: 20 kHz sampling frequency

Radio Information

Antenna type: Integral Dual Parallel Loop Antenna
Operation frequency: 902-928 MHz
Occupied bandwidth (99% BW): 300 kHz
Modulation: FSK
Operating range: 1 m
Wearing options: Behind-The-Ear
Use case: Streaming of audio signal to receiving hearing aid on the other ear
Transmit Power: Power Plus BTE 13: -22 dBm

Standards Applied

USA
FCC ID: EOA-EXPSTANDARD
Power Plus BTE 13 FCC ID: EOA-MUSEPOWER13

Canada
IC: 6903A-EXPSTANDARD
Power Plus BTE 13 IC: 6903A-MUSEPOWER13

General Information

Transportation and storage conditions for Zinc Air Products:
-40°C (-40°F) to +60°C (140°F) and 10%-95% rH. Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from very cold up to 50°C (122°F).

Safety Standards:
Our innovative line of SurfLink accessories—combined with our wireless hearing aids—let patients live life the way they want, no wires attached.

Made for a wireless landscape
SurfLink Remote

With the SurfLink Remote, patients can control memory and volume adjustments, mute their wireless Picasso and Muse iQ hearing aids or go in and out of streaming mode. Available in advanced and basic models.

SurfLink Media 2

SurfLink Media 2 is a set-and-forget media streaming solution that connects to TVs, MP3 players and more, to wirelessly stream audio directly to your wireless Picasso and Muse iQ hearing aids.

SurfLink Remote Microphone 2

The SurfLink Remote Microphone 2 is designed to stream audio directly to your patients’ wireless Picasso and Muse iQ hearing aids. This discreet, lightweight device can be worn by a conversation partner to aid patients in one-on-one conversations or settings with multiple speakers.

SurfLink Mini Mobile System

The SurfLink Mini Mobile System is a small and simple cell phone streaming solution. Patients can connect any device that’s compatible with Bluetooth technology to their wireless Picasso or Muse iQ hearing aids.
# Earmold and Earplug Options

<table>
<thead>
<tr>
<th>Lucite</th>
<th>Digital SLS</th>
<th>Ultraflex</th>
<th>High Strength Silicone 60</th>
<th>High Strength Silicone 40</th>
<th>Floatable Silicone</th>
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The higher the shore value, the harder the material.

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<tr>
<th>BTE and Thin Tube molds; not RIC molds</th>
<th>RIC, BTE, and Thin Tube molds</th>
<th>Specialty molds, Silicone allergies</th>
<th>Earmolds, specialty molds, plugs</th>
<th>Earmolds, specialty molds, plugs</th>
<th>Swim plugs</th>
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<tr>
<td>Twirl - 3 colors, Glitter</td>
<td>One color</td>
<td>Only option is frosty clear</td>
<td>Twirl - 3 colors, Glitter</td>
<td>Twirl - 3 colors, Glitter</td>
<td>Twirl - 3 colors, Glitter only on Rose Transparent</td>
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High Strength Silicone 40

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Glitter Colors

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<tr>
<th>Multi</th>
<th>Blue</th>
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<th>Red</th>
<th>Orange</th>
<th>Gold</th>
<th>Silver</th>
<th>Purple</th>
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</table>

Custom RIC Earmolds

<table>
<thead>
<tr>
<th>Hard Material Styles</th>
<th>Soft Material Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGITAL SLS/LUCITE</td>
<td>HIGH STRENGTH SILICONE</td>
</tr>
</tbody>
</table>

- AP EMBEDDED
- RIC SOLID CANAL
- RIC CANAL
- RIC CANAL LOCK
- RIC HALLOW CANAL
- RIC CANAL LOCK
- RIC HALF SHELL
- RIC 3/4 SHELL
- RIC SHELL
- RIC 3/4 SKELETON
- RIC 3/4 SHELL
- RIC SHELL
- RIC 3/4 SKELETON
- RIC SKELETON
- RIC HELIX
- RIC OCCULDED HELIX

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR
### Custom Thin Tube Earmolds

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<td><strong>HIGH STRENGTH SILICONE</strong></td>
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<td>CIC</td>
</tr>
<tr>
<td>CANAL</td>
<td>CANAL</td>
</tr>
<tr>
<td>HOLLOW CANAL LOCK</td>
<td>HOLLOW CANAL LOCK</td>
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<tr>
<td>CANAL LOCK</td>
<td>CANAL LOCK</td>
</tr>
<tr>
<td>HALF SHELL</td>
<td>HALF SHELL</td>
</tr>
<tr>
<td>3/4 SHELL</td>
<td>3/4 SHELL</td>
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<tr>
<td>SHELL</td>
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</tr>
<tr>
<td>SKELETON</td>
<td>SKELETON</td>
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<tr>
<td>HOLLOW SKELETON</td>
<td>HOLLOW SKELETON</td>
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<tr>
<td>DIRECT TUBE</td>
<td>DIRECT TUBE</td>
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<tr>
<td>NON-OCCCLUDING TYPE A MOLD</td>
<td>NON-OCCCLUDING TYPE A MOLD</td>
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<td>NON-OCCCLUDING TYPE B MOLD</td>
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<tr>
<td>HELIX TUBE</td>
<td>HELIX TUBE</td>
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</tbody>
</table>

**DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR**

### Stock Solutions

- **STOCK RIC MOLD**
  - Extra Small
  - Small
  - Standard

- **STOCK HELIX RIC MOLD**
  - Standard

- **STOCK HOLLOW SILICONE**
  - Extra Small
  - Small
  - Standard

- **STOCK THIN TUBE SOLUTION**
  - Standard

- **OPEN COMFORT BUD**
  - 5mm, 6mm, 7mm, 9mm, 11mm

- **OCCLUDED COMFORT BUD**
  - 5mm, 6mm, 7mm, 9mm, 11mm

- **POWER DOMES**
  - Small (8mm-10mm), Medium (10mm-12mm), Large (12mm-14mm)

### RIC Receiver Options

- 40 gain
- 50 gain
- 60 gain
**Custom BTE Earmolds**

<table>
<thead>
<tr>
<th>Hard Material Styles</th>
<th>Soft Material Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGITAL SLS/LUCITE</td>
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<td>NON-OCCCLUDING TYPE B MOLD</td>
<td>NON-OCCCLUDING TYPE J MOLD</td>
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**DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR**

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**Earmold Vent Size Chart**

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<thead>
<tr>
<th>VENT NAME</th>
<th>APPROXIMATE SIZE</th>
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<tbody>
<tr>
<td>Pressure Vent</td>
<td>0.8 mm</td>
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<tr>
<td>Small</td>
<td>1.2 mm</td>
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<tr>
<td>Medium</td>
<td>1.8 mm</td>
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<tr>
<td>Large</td>
<td>2.55 mm</td>
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<tr>
<td>Select-A-Vent</td>
<td>3.37 mm</td>
</tr>
<tr>
<td>Extra Large</td>
<td>As large as canal allows</td>
</tr>
</tbody>
</table>

**VENT SIZE IS LIMITED BY EAR ANATOMY**
Measurements

The data for Starkey hearing instruments are obtained and performance is expressed according to ANSI S3.22 (2009), IEEE C63.19 (2011), IEC 60118-7 (2005) and IEC 60118-0 (1983) with Amendment 1 (1994-01). The Starkey proprietary Real Time Analyzer and the Starkey Automated Design Verification Test System (SADVTS) comprise the basic test equipment. Data may be subject to change with product refinement.

Because of the adaptive signal processing capabilities of Starkey hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. Starkey hearing instruments may be set to test mode with Inspire X by reading the hearing aid and selecting the “Hearing Aid Test” screen from the menu on the left side of the Inspire X window, then selecting the “Full-on Gain” button.

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Contact us

Customer Support:
(800) 328-8602

For all Livio Edge AI product information:
StarkeyPro.com/Livio-AI

For additional Starkey resources & to order:
StarkeyPro.com

For Thrive Hearing Control app compatibility information:
starkey.com/thrivesupport
2.4 GHz Rechargeable BTE

The industry's smallest, most powerful rechargeable BTE.*

REM Target Match

Auto Real Ear Measurement speeds up fitting and leaves more time for counseling.

Live Sessions

Leverages live video chat to enable and improve remote care.

Find My Phone

Using their hearing aids and Thrive Assistant, users can now find their misplaced smartphone.

Multiflex Tinnitus Pro

Uses a new shaping algorithm and custom-fit tool to deliver more personalized maskers for Livio Edge AI patients.

IntelliVoice

This first-of-its-kind speech enhancement feature uses AI to provide an unprecedented experience for patients with moderate loss of 50 dB HL or greater.

*Starkey Competitive Benchmarking Study 2019.

To learn more, visit: StarkeyPro.com/Livio-AI