livio Edge AI

Next-generation sound *never before possible*

Powerful rechargeability
Introducing the world’s first 2.4 GHz custom rechargeables
Award-winning technology

Livio Edge AI is built on the revolutionary technology recognized as one of Time Magazine’s 100 Best Inventions of 2019.

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Game-changing sound with Edge Mode

Instant optimized adjustments

As a hearing professional you know it’s just not possible to prepare a patient for every scenario. Livio Edge AI with Edge Mode changes that.

With just a double tap, Edge Mode instantly conducts an AI-based analysis of the listening environment and makes smart, immediate adjustments.

Livio Edge AI combines the best of both worlds: an industry-leading sound platform for everyday situations and next-generation sound processing for uniquely challenging environments.

This advanced, on-demand performance is only possible with Starkey Livio Edge AI hearing aids.
Introducing Hearing Reality Pro

With Hearing Reality, we propelled the science behind superior sound processing forward.

Hearing Reality Pro pushes our industry-leading platform even further. 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.
Two powerful apps that work together

thrive

**Better than ever**

Fully updated for improved usability and overall performance.

We’re excited to introduce a number of improvements to the usability and performance of the Thrive Hearing Control app making it more reliable, more streamlined and easier to use.

**NEW**

Thrive app for patients

**Peace of mind**

Easy information sharing helps caregivers worry less.

With Thrive Care, patients can share helpful Thrive app information such as physical activity, hearing aid usage and social engagement with select family, friends or care team members.*

*Exclusive to Livio Edge AI hearing aids. These apps may have slight differences depending on your phone.
thrive

No other hearing aid puts powerful, easy-to-use information features at patients’ fingertips like Livio Edge AI.

**Thrive Assistant**

Patients use voice commands to get answers to questions, set reminders and control their hearing aids.

**Reminders**

Patients get in-ear and on-screen notifications for tasks like taking medications.

**Auto On/Off**

Livio Edge AI detects when users put their hearing aids in and take them out, saving battery life.

**Translate**

Patients instantly hear speech translated into their language right in their hearing aids.
The world’s first 2.4 GHz custom rechargeables

Personalized power

With our expanded 2.4 GHz product portfolio you can provide convenient rechargeable solutions to even more patients. We’ve added two new custom rechargeable hearing aids (ITC/HS and ITE).

Our new charger fits all custom rechargeable hearing aids and provides up to 24 hours of power in a single charge.
Hear better. Live better.

Ever-increasing evidence shows treatment of hearing loss with hearing aids can improve or limit some serious health issues such as cognitive decline and dementia. In fact, a 2017 study revealed that treating hearing loss is the single greatest change a person can make to lower their risk for dementia.  


“With edge AI, Starkey delivers next-generation sound processing capability by harnessing the most advanced artificial intelligence technology possible in a modern hearing aid. Livio Edge AI provides instant benefits to patients in the most challenging listening environments. This pushes our industry-leading platform even further.”

Achin Bhowmik, Ph.D.
Chief Technology Officer and Executive Vice President of Engineering
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 now available across multiple technology tiers so more patients can benefit from the power of AI.

Livio hearing aids are a great option for patients who are not looking for AI capabilities but still want superior sound and other advanced 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
• 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 Brown
- Medium Brown
- Light Brown
- Pink
- Black
- Shell Colors
- Clear
- Light Brown
- Pink
- Blue/Red
- Black

Fitting Range

Thrive Technology

ITE R Gain Data

Measurement

ANSI/IEC
2cc Coupler

IEC OES Coupler

Peak OSPL90 (dB SPL)
115-130
126-139

HFA OSPL90 (dB SPL)
110-123
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

ITE R Gain Data

Measurement

ANSI/IEC
2cc Coupler

IEC OES Coupler

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.
### Color Guide

**Faceplate Colors**
- Dark Brown
- Chestnut
- Medium Brown
- Light Brown
- Pink
- Black
- Clear
- Light Green
- Pink
- Blue/Red
- Black

**Shell Colors**
- Dark Brown
- Chestnut
- Medium Brown
- Light Brown
- Pink
- Black
- Clear
- Light Green
- Pink
- Blue/Red
- Black

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

### Accessories
- TV
- 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

### Fitting Range

#### Livio Edge AI 2400

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<th>Measuring Level in dB HL</th>
<th>Frequency (Hz)</th>
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<td>90</td>
<td>128K</td>
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### HS R Gain Data

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<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>110-130</td>
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<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>106-124</td>
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</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>
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<tr>
<td>Frequency Range (Hz)</td>
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<tr>
<td>Reference Test Freq. (kHz)</td>
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<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5</td>
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</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>28-47</td>
<td>39-64</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
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<td>&lt;25</td>
</tr>
<tr>
<td>Harmonic Distortion 500 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>Harmonic Distortion 800 Hz (%)</td>
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<td>&lt;3</td>
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<tr>
<td>Harmonic Distortion 1600 Hz (%)</td>
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### 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.
**ITC R**
**IN-THE-CANAL RECHARGEABLE**

Livio Edge AI 2400

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

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

**Fitting Range**

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

**Accessories**
- TV
- 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

**ITC R Gain Data**

<table>
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<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<tr>
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<td>HFA OSPL90 (dB SPL)</td>
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<tr>
<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>36-63</td>
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<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
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<tr>
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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>
<td>&lt;25</td>
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</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.*
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
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

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

Fitting Range

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

Livio Edge AI 2400

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANS/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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<td>Equivalent Input Noise (dB)</td>
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<td>26</td>
<td>26</td>
<td>26</td>
<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 |

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

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

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- Table Microphone
- Programmer

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

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**Measurement**

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**Measurement**

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<td>RIC 312 60</td>
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**Tinnitus Therapy Stimulus**
- Max RMS Output (dB SPL) 87
- Weighted RMS Output Level (dB SPL) 87
- Max 1/3 Octave Output (dB SPL) 87

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*Results will vary based on wireless usage.*
**RIC 312 AP**

**RECEIVER-IN-CANAL** Absolute Power

**Livio Edge AI 2400**

**Color Guide**

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

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

**Accessories**
- TV
- 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

**Measurement**

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<th>Measurement</th>
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**Harmonic Distortion**

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<th>1600 Hz (%)</th>
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<tr>
<td></td>
<td>&lt;3</td>
<td>&lt;3</td>
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*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
- Remote Microphone +
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- Mini Remote Microphone
- Table Microphone
- Programmer

Fitting Range

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

Measurement

<table>
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<th>Measurement</th>
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<th>IEC DES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>107 120</td>
<td></td>
<td>115 127</td>
<td></td>
<td>120 131</td>
<td></td>
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<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>102 N/A</td>
<td></td>
<td>109 N/A</td>
<td></td>
<td>117 N/A</td>
<td></td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A 112</td>
<td></td>
<td>N/A 119</td>
<td></td>
<td>N/A 127</td>
<td></td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>40 52</td>
<td></td>
<td>50 63</td>
<td></td>
<td>60 71</td>
<td></td>
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<tr>
<td>HFA Full-On Gain (dB)</td>
<td>35 N/A</td>
<td></td>
<td>45 N/A</td>
<td></td>
<td>56 N/A</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A 43</td>
<td></td>
<td>N/A 55</td>
<td></td>
<td>N/A 65</td>
<td></td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td></td>
<td></td>
<td>25 36</td>
<td></td>
<td>32 44</td>
<td></td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26 26</td>
<td></td>
<td>26 26</td>
<td></td>
<td>26 26</td>
<td></td>
</tr>
</tbody>
</table>

Harmonic Distortion

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 Hz (%)</td>
<td>&lt;3</td>
<td></td>
<td>&lt;3</td>
<td></td>
<td>&lt;3</td>
<td></td>
</tr>
<tr>
<td>800 Hz (%)</td>
<td>&lt;3</td>
<td></td>
<td>&lt;3</td>
<td></td>
<td>&lt;3</td>
<td></td>
</tr>
<tr>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
<td></td>
<td>&lt;3</td>
<td></td>
<td>&lt;3</td>
<td></td>
</tr>
</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

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

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

Patient Features
- Tinnitus Technology
- Wireless Connectivity

Accessories
- TV
- 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

Measurement

Gain Data

60 Gain Data

70 Gain Data

<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>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>Peak Gain (dB)</td>
<td>60</td>
<td>70</td>
<td>70</td>
<td>81</td>
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<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>
<td>N/A</td>
<td>78</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>
<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>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>500 Hz (%)</td>
<td>&lt;3</td>
<td>500 Hz (%)</td>
<td>&lt;3</td>
</tr>
<tr>
<td></td>
<td>800 Hz (%)</td>
<td>&lt;3</td>
<td>800 Hz (%)</td>
<td>&lt;3</td>
</tr>
<tr>
<td></td>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
</tr>
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</table>

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

*Results will vary based on wireless usage.
**BTE 13**
**BEHIND-THE-EAR**

**Livio Edge AI 2400**

**Color Guide**

| Standard Colors | Bright | White | Black | Slate | Sterling | Express | Bronze | Champagne |

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

**Accessories**
- TV
- 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

**Measurement**

<table>
<thead>
<tr>
<th><strong>Earhook</strong></th>
<th><strong>Thin Tube</strong> (Size 3, Occluded)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement</strong></td>
<td><strong>ANSI/IEC 2cc Coupler</strong></td>
</tr>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>130</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>122</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>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Frequency Range (Hz)</strong></th>
<th><strong>&lt;100–600</strong></th>
<th><strong>&lt;100–6000</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A 1.6</td>
<td>N/A 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 N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>45 59</td>
<td>35 39</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>24 18</td>
<td>29 29</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Harmonic Distortion</strong></th>
<th><strong>500 Hz (%)</strong></th>
<th><strong>800 Hz (%)</strong></th>
<th><strong>1600 Hz (%)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>500 Hz (%)</td>
<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>
</tr>
<tr>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

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

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

Accessories
- TV
- 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

Fitting Range

Thrive Technology

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>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>55-78</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-8300</td>
<td>&lt;100-9000</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>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>32-46</td>
<td>45-64</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
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</table>

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

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>Induction Coil Sensitivity</td>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
<td>95-108</td>
</tr>
<tr>
<td></td>
<td>MASL (IEC) (dB SPL)</td>
<td>78-96</td>
</tr>
<tr>
<td>Estimated Lithium-Ion Battery Life</td>
<td></td>
<td>Up to 24 hours**</td>
</tr>
</tbody>
</table>

Livio AI/Livio
THRIVE PLATFORM

39
ITE R
IN-THE-EAR RECHARGEABLE

Livio AI 1200 | 1000
Livio 1200 | 1000

Color Guide

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

Accessories
• TV
• 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

<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>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>55-78</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-7800</td>
<td>&lt;100-7800</td>
</tr>
<tr>
<td>Reference Test Freq. (kHz)</td>
<td>N/A</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>
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<td>45-64</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 <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.
HS R
HALF SHELL RECHARGEABLE

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

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

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

Color Guide

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

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

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

Color Guide

Faceplate Colors

Shell Colors

Hearing Level in dB (HL)

Fitting Range

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

Patient Features

Accessories

Color Guide

Faceplate Colors

Shell Colors

Hearing Level in dB (HL)

Fitting Range

Thrive Technology

• Embedded Sensors

• Natural User Interface Tap Control

• Additional Thrive app Feature Options
HS R
HALF SHELL RECHARGEABLE
Livio AI 1200 | 1000
Livio 1200 | 1000

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

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

Accessories
- TV
- 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

HS 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>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>
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</tr>
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<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
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</tr>
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<td>Frequency Range (Hz)</td>
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<td>Reference Test Freq. (kHz)</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>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
</tbody>
</table>

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 the 1000 technology tier.
***Results will vary based on wireless usage.
**ITC R**

**IN-THE-CANAL RECHARGEABLE**

**Livio Al 2000** | 1600

**Livio 2400** | 2000 | 1600

---

**Color Guide**

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

**Patient Features**

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

**Accessories**

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

**Fitting Range**

- **ITC R 40**
- **ITC R 50**
- **ITC R 60**
- **ITC R 70**

**Thrive Technology**

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

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**ITC 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>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 |

---

**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Lithium-Ion Battery Life</td>
<td>Up to 24 hours**</td>
<td></td>
</tr>
<tr>
<td>Tinnitus Therapy Stimulus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
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</tr>
<tr>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
<td></td>
</tr>
</tbody>
</table>

*Available on Livio Al only.

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

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

---

### 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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</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>
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<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-7900</td>
<td>&lt;100-8000</td>
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<tr>
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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>28-47</td>
<td>39-64</td>
</tr>
<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
- 800 Hz (%): <3
- 1600 Hz (%): <3

---

**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

---

*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.
**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 + NFM)
- Ear-to-Ear Streaming

**Accessories**

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

**Fitting Range**

<table>
<thead>
<tr>
<th>Matrices</th>
<th>107/40</th>
<th>115/50, 120/60</th>
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</thead>
<tbody>
<tr>
<td>Orientation</td>
<td>FOG 50 (dB)</td>
<td>FOG 50 (dB)</td>
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<tr>
<td>Frequency (Hz)</td>
<td>FOG 50 (dB)</td>
<td>FOG 50 (dB)</td>
</tr>
<tr>
<td>Frequency (Hz)</td>
<td>FOG 50 (dB)</td>
<td>FOG 50 (dB)</td>
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</table>

**Thrive Technology**

- Embedded Sensors*
- 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 OSPL (dB SPL)</td>
<td>107</td>
<td>120</td>
<td>115</td>
<td>127</td>
<td>120</td>
<td>131</td>
</tr>
<tr>
<td>HFA OSPL (dB SPL)</td>
<td>102</td>
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<td>109</td>
<td>N/A</td>
<td>117</td>
<td>N/A</td>
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<tr>
<td>RTF OSPL (dB SPL)</td>
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<td>N/A</td>
<td>119</td>
<td>N/A</td>
<td>127</td>
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<tr>
<td>Peak Gain (dB)</td>
<td>40</td>
<td>52</td>
<td>50</td>
<td>63</td>
<td>60</td>
<td>71</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>35</td>
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<td>45</td>
<td>N/A</td>
<td>56</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>43</td>
<td>N/A</td>
<td>55</td>
<td>N/A</td>
<td>65</td>
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</table>

**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

*Available on Livio AI only.
**Results will vary based on wireless usage.
**RIC R**

**RECEIVER-IN-CANAL RECHARGEABLE**

**Livio AI 1200 | 1000**

**Livio 1200 | 1000**

---

**Color Guide**

<table>
<thead>
<tr>
<th>Standard Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright White with Sterling</td>
</tr>
<tr>
<td>Black</td>
</tr>
<tr>
<td>Slate</td>
</tr>
<tr>
<td>Sterling</td>
</tr>
<tr>
<td>Espresso</td>
</tr>
<tr>
<td>Bronze</td>
</tr>
<tr>
<td>Champagne</td>
</tr>
</tbody>
</table>

---

**Patient Features**

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

---

**Accessories**

- TV
- 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 DES Coupler**

**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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</thead>
<tbody>
<tr>
<td>Peak OSPL (dB)</td>
<td>107</td>
<td>120</td>
<td>115</td>
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<tr>
<td>IFP OSPL (dB)</td>
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<td>N/A</td>
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<td>RTF OSPL (dB)</td>
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<tr>
<td>IFP Full-On Gain (dB)</td>
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<td>45</td>
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<td>RTF Full-On Gain (dB)</td>
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<td>N/A</td>
</tr>
<tr>
<td><strong>Frequency Range (Hz)</strong></td>
<td>&lt;100-7700</td>
<td>&lt;100-7700</td>
<td>&lt;100-7700</td>
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<tr>
<td>Reference Test Freq. (Hz)</td>
<td>N/A</td>
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<td>N/A</td>
</tr>
<tr>
<td>IFP Frequencies (Hz)</td>
<td>1.0,1.6,2.5</td>
<td>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>
<td>32</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>26</td>
<td>26</td>
</tr>
<tr>
<td><strong>Harmonic Distortion</strong></td>
<td>500 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>800 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>1000 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

---

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

**Battery Size: Encased 312**

---

**Available on 1200 technology tier only.**

**Available on Livio AI only.**

**“Results will vary based on wireless usage.”**
**Livio AI 2000 | 1600**

**Livio 2400 | 2000 | 1600**

### Color Guide
- Standard Colors
- Bright White
- Black
- Slate
- Sterling
- Expresso
- 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
- 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>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>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>
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<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
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<td>81</td>
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<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>N/A</td>
<td>65</td>
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</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>N/A</td>
<td>78</td>
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<tr>
<td>Frequency Range (Hz)</td>
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<td>&lt;100-5700</td>
<td>&lt;100-5800</td>
<td>&lt;100-5700</td>
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<tr>
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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>
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<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>
<td>47</td>
<td>64</td>
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<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
- 800 Hz (%): <3
- 1600 Hz (%): <3

### Induction Coil Sensitivity
- HFA SPLITS (ANSI) (dB SPL) 97 N/A 103 N/A
- MASL (IEC) (dB SPL) 83 N/A 93 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
- 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.**
**Fitting Range**

- **Matrix 123/60**
  - ANSI/IEC 2cc Coupler
  - IEC OES Coupler
  - Reference Test Freq. (kHz): N/A
  - HFA Frequencies (kHz): 1.0, 1.6, 2.5
  - Reference Test Gain (dB): 40
  - Equivalent Input Noise (dB): 26
  - Frequency Range (Hz): <100-5000
    - Peak OSPL90 (dB SPL): 123
    - HFA OSPL90 (dB SPL): 117
    - RTF OSPL90 (dB SPL): N/A
    - Peak Gain (dB): 60
    - RTF Full-On Gain (dB): 54
  - HFA Full-On Gain (dB): 70
  - HFA Full-On Gain (dB): 65
  - Frequency Range (Hz): <100-5000
  - Reference Test Freq. (kHz): N/A
  - HFA Frequencies (kHz): 1.0, 1.6, 2.5
  - Reference Test Gain (dB): 40
  - Equivalent Input Noise (dB): 26
  - Frequency Range (Hz): <100-5000
  - Reference Test Freq. (kHz): N/A
  - HFA Frequencies (kHz): 1.0, 1.6, 2.5
  - Reference Test Gain (dB): 40
  - Equivalent Input Noise (dB): 26
  - Frequency Range (Hz): <100-5000

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

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

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

---

**Livio Al 1200 | 1000**

**Livio 1200 | 1000**

---

**Color Guide**

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

---

**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>
</tr>
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<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>123</td>
<td>130</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
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<td>124</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
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<tr>
<td>Peak Gain (dB)</td>
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<td>70</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>54</td>
<td>65</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>70</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5000</td>
<td>&lt;100-5000</td>
</tr>
<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>
<td>1.0, 1.6, 2.5</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>26</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>&lt;3</td>
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</tr>
</tbody>
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**Measurement**
- **Induction Coil Sensitivity**
- **HFA SPLITS (ANSI) (dB SPL)**: 97
- **MASL (IEC) (dB SPL)**: 83
- **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

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*Available on 1200 technology tier only.
**Available on Livio Al only.
***Results will vary based on wireless usage.
RIC 312
RECEIVER-IN-CANAL
Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide

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

Accessories
• TV
• 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

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>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
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</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>107</td>
<td>120</td>
<td>115</td>
<td>127</td>
<td>120</td>
<td>131</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>102</td>
<td>N/A</td>
<td>109</td>
<td>N/A</td>
<td>117</td>
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<td>RFP OSPL90 (dB SPL)</td>
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<td>N/A</td>
<td>119</td>
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<td>127</td>
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<tr>
<td>Peak Gain (dB)</td>
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<td>52</td>
<td>50</td>
<td>63</td>
<td>60</td>
<td>71</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>35</td>
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<td>RFP Full-On Gain (dB)</td>
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<td>65</td>
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<tr>
<td>Frequency Range (Hz)</td>
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<td>&lt;100-9600</td>
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<td>&lt;100-9200</td>
<td>&lt;100-9600</td>
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<td>1.0,1.6,2.5</td>
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<td>Reference Test Gain (dB)</td>
<td>25</td>
<td>36</td>
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<td>Equivalent Input Noise (dB)</td>
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<td>Harmonic Distortion</td>
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<td>&lt;3</td>
<td>&lt;3</td>
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</table>

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

Livio AI 1200 | 1000
Livio 1200 | 1000

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

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

Accessories
- TV
- 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

Measurement
40 Gain Data | 50 Gain Data | 60 Gain Data

<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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<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>107</td>
<td>120</td>
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<td>120</td>
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<td>HFA OSPL90 (dB SPL)</td>
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<td>Peak Gain (dB)</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>&lt;100-7800</td>
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</tbody>
</table>

*Available on 1200 technology tier only.
**Available on Livio AI only.
***Results will vary based on wireless usage.
**Matrices**: 123/60, 130/70  
**Battery Size**: 312

**RIC 312 AP**  
**RECEIVER-IN-CANAL**  
**Absolute Power**

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

**Color Guide**

- Standard Colors
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- Black
- Slate
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**Thrive Technology**
- Embedded Sensors®
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**Measurement**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
</tr>
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<td>Peak OSPL90 (dB SPL)</td>
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<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>
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</tr>
<tr>
<td>Peak Gain (dB)</td>
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<td>70</td>
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<tr>
<td>HFA Full-On Gain (dB)</td>
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<td>RTF Full-On Gain (dB)</td>
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<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5500</td>
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<td>Reference Test Freq. (kHz)</td>
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<td>HFA Frequencies (kHz)</td>
<td>1.0, 1.6, 2.5</td>
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<td>Equivalent Input Noise (dB)</td>
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</table>

**Harmonic Distortion**

- 500 Hz (%): <3
- 800 Hz (%): <3
- 1600 Hz (%): <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>Idle Current (mA)</td>
<td>1.7**</td>
<td>1.7**</td>
</tr>
<tr>
<td>Estimated Lithium-Ion Battery Life</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 on Livio AI only.
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RIC 312 AP
RECEIVER-IN-CANAL Absolute Power
Livio Ai 1200 | 1000
Livio 1200 | 1000

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Fitting Range

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

Gain Data

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

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

Measurement | ANSI/IEC 2cc Coupler | IEC OES Coupler
--- | --- | ---
ANSI/IEC Battery Current (mA) | 1.7** | 1.7**
Idle Current (mA) | 1.7** | 1.7**
Estimated Lithium-Ion Battery Life
- 312 Zinc Air (days) | 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 1200 technology tier only.
**Available on Livio Ai only.
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mRIC 312
RECEIVER-IN-CANAL
Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide
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Bright white with Sterling
Bronze
Champagne

Patient Features
• Tinnitus Technology
• Wireless Connectivity

Accessories
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• 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 DES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
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<tr>
<td>Peak SPL (dB SPL)</td>
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<td>120</td>
<td>115</td>
<td>127</td>
<td>120</td>
<td>131</td>
</tr>
<tr>
<td>HFA OSPL (dB SPL)</td>
<td>102</td>
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<td>109</td>
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<td>RTF OSPL (dB SPL)</td>
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<td>N/A</td>
<td>119</td>
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<td>Peak Gain (dB)</td>
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<td>50</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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<td>Harmonic Distortion</td>
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<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DES Coupler</th>
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<td>1.7”</td>
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<td>Estimated Battery Life for 16-Hour Day</td>
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<td>4-7”</td>
<td>4-7”</td>
<td>4-7”</td>
<td>4-7”</td>
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</table>

Tinnitus Therapy Stimulus
Max RMS Output (dB SPL) | 87                | 87              | 87                   |
Weighted RMS Output Level (dBSPL) | 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.
**mRIC 312**
**RECEIVER-IN-CANAL**

**Livio AI 1200 | 1000**
**Livio 1200 | 1000**

**Color Guide**

Standard Colors

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

**Patient Features**

- **Tinnitus Technology**
- **Wireless Connectivity**

**Accessories**

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

**Fitting Range**

- **mRIC 312 40**
- **mRIC 312 50**
- **mRIC 312 60**

**Thrive Technology**

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

**Measurement**

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<tr>
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<th>ANSI/IEC 2cc Coupler</th>
<th>IEC DECS Coupler</th>
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<tr>
<td>Peak OSPL90 (dB SPL)</td>
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<td>HF Peak OSPL90 (dB SPL)</td>
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<td>BP OSPL90 (dB SPL)</td>
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<td>Peak Gain (dB)</td>
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<td>HF Full-On Gain (dB)</td>
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<td>BP Full-On Gain (dB)</td>
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<tr>
<td>Frequency Range (Hz)</td>
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<td>Reference Test Freq. (kHz)</td>
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<td>HF Frequencies (kHz)</td>
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<tr>
<td>Harmonic Distortion</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

**Battery Current (mA)**

- 1.8**
- 1.7**
- 2.1**
- N/A

**Idle Current (mA)**

- 1.7**
- N/A

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

- 312 Zinc Air (days)
  - 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

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mRIC 312 AP
RECEIVER-IN-CANAL Absolute Power

Livio AI 2000 | 1600
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<table>
<thead>
<tr>
<th>Measurement</th>
<th>60 Gain Data</th>
<th>70 Gain Data</th>
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<tbody>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>ANSI/IEC IEC OES Coupler</td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>130</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>60</td>
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</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
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<td>N/A</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
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<td>Weighted RMS Output Level</td>
<td>Max 1/3 Octave Output</td>
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*Available on Livio AI only.
**Results will vary based on wireless usage.
mRIC 312 AP
RECEIVER-IN-CANAL Absolute Power

Patient Features
- Tinnitus Technology
- Wireless Connectivity

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

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

Battery Size: 312

Color Guide

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

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<thead>
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<th>Measurement</th>
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<td>Peak Gain (dB)</td>
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<td>HFA Full-On Gain (dB)</td>
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<td>Equivalent Input Noise (dB)</td>
<td>26</td>
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Harmonic Distortion
- 500 Hz (%) | <3 |
- 800 Hz (%) | <3 |
- 1600 Hz (%) | <3 |

*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

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

Accessories
- TV
- 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

Measurement

<table>
<thead>
<tr>
<th>Earhook</th>
<th>Thin Tube (Size 3, Occluded)</th>
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<tbody>
<tr>
<td>ANSI/IEC 2cc Coupler</td>
<td>IEC OES Coupler</td>
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<tr>
<td>ANSI/IEC 2cc Coupler</td>
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<td>Peak OPNL (dB SPL)</td>
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<td>HFA OPNL (dB SPL)</td>
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<td>RTF OPNL (dB SPL)</td>
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<td>Peak Gain (dB)</td>
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<td>Frequency Range (Hz)</td>
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<tr>
<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</td>
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<td>500 Hz (%)</td>
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<tr>
<td>800 Hz (%)</td>
<td>&lt;3</td>
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<tr>
<td>1600 Hz (%)</td>
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*Available on Livio AI only.
**Results will vary based on wireless usage.
**BTE 13**

**BEHIND-THE-EAR**

Livio Al 1200 | 1000
Livio 1200 | 1000

**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
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Programmer

**Fitting Range**

<table>
<thead>
<tr>
<th>Earhook</th>
<th>Thin Tube (Size 3, Occluded)</th>
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<tbody>
<tr>
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<tr>
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<tr>
<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>
<td>&lt;100-7600</td>
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<tr>
<td>Reference Test Freq. (kHz)</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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<tr>
<td>Equivalent Input Noise (db)</td>
<td>24</td>
</tr>
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</table>

**Harmonic Distortion**

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

**Thrive Technology**

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

**Measurement**

<table>
<thead>
<tr>
<th>Earhook</th>
<th>Thin Tube (Size 3, Occluded)</th>
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<tbody>
<tr>
<td>Measurement</td>
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<td>Induction Coil Sensitivity</td>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
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<td>MASL (IEC) (dB SPL)</td>
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<td>ANSI/IEC Battery Current (mA)</td>
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<td>Idle Current (mA)</td>
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**Estimated Battery Life for 16-Hour Day**

<table>
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<tr>
<th>Earhook</th>
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</thead>
<tbody>
<tr>
<td>312 Zinc Air (days)</td>
<td>7-11***</td>
</tr>
</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 on 1200 technology tier only.
**Available on Livio AI only.
***Results will vary based on wireless usage.
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 AI, Livio AI and Livio CROS receivers
- Compatible with 2.4 GHz accessories

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

Battery Information
<table>
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<tr>
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<th>ANSI code</th>
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<td>N/A</td>
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<td>Livio Edge AI/Livio AI/Livio RIC 312 CROS</td>
<td>312</td>
<td>PR41</td>
<td>70022D</td>
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<tr>
<td>Livio Edge AI/Livio AI/Livio BTE 13 CROS</td>
<td>13</td>
<td>PR48</td>
<td>70022D</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: EDA-24LIVIOR312
  - RIC R FCC ID: EDA-24LIVIORCHG
  - BTE 13 FCC ID: EDA-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 line of sleek 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 **NEW**
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.

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 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.
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.

Picasso
CUSTOM HEARING SOLUTIONS
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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Premium</th>
<th>Advanced</th>
<th>Select</th>
<th>Low</th>
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### Notes:
- 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.
Matrices: 110/40, 115/50, 120/60, 130/70
Battery Size: 312, 10

Matrices:

110/40, 115/50,
120/60, 130/70

Battery Size:
312, 10

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

CIC
COMPLETELY-IN-CANAL

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

Fitting Range

Picasso CIC 40
Picasso CIC 50
Picasso CIC 60
Picasso CIC 70

CIC Gain Data

<table>
<thead>
<tr>
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<th>ANSI/IEC 2cc Coupler</th>
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<td>RTF OSPL90 (dB SPL)</td>
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<td>Peak Gain (dB)</td>
<td>40-70</td>
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<tr>
<td>Equivalent Input Noise (dB)</td>
<td>&lt;25</td>
<td>&lt;25</td>
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Harmonic Distortion

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<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>500 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
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<td>800 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
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<tr>
<td>1600 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>ANSI/IEC Battery Current (mA)</td>
<td>1.2-1.5”</td>
<td>1.2-1.5”</td>
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<td>Idle Current (mA)</td>
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CIC Gain Data

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<th>Measurement</th>
<th>ANSI/IEC 2cc 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>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Estimated Battery Life for 16-Hour Day</td>
<td></td>
<td></td>
</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>
</tr>
<tr>
<td>Tinnitus Therapy Stimulus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max RMS Output (dB SPL)</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>Weighted RMS Output Level (dB SPL)</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>Max 1/3 Octave Output (dB SPL)</td>
<td>87</td>
<td></td>
</tr>
</tbody>
</table>

*Available with wireless products only.
“Results will vary based on wireless usage.
Picasso Customs
SYNERGY PLATFORM

Matrices: 110/40, 115/50
Battery Size: 312, 10

CIC
COMPLETELY-IN-CANAL

Picasso i1200 | i1000
Picasso 1200 | 1000

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

Patient Features
• Tinnitus Technology
• Wireless Connectivity

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

Fitting Range

Picasso CIC 40
Picasso CIC 50
Picasso CIC 60
Picasso CIC 70

Measurement | ANSI/IEC 2cc Coupler | IEC OES Coupler
--- | --- | ---
Peak OSPL90 (dB SPL) | 110-130 | 120-137
HFA OSPL90 (dB SPL) | 106-124 | N/A
RTF OSPL90 (dB SPL) | N/A | 110-130
Peak Gain (dB) | 40-70 | 51-78
HFA Full-On Gain (dB) | 36-63 | N/A
RTF Full-On Gain (db) | N/A | 44-68
Frequency Range (Hz) | <100-7800 | <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) | 29-47 | 35-55
Equivalent Input Noise (db) | <25 | <25

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

Measurement | ANSI/IEC 2cc Coupler | IEC OES Coupler
--- | --- | ---
Induction Coil Sensitivity
HFA SPLIT (ANSI) (dB SPL) | N/A | N/A
MASL (IEC) (dB SPL) | N/A | N/A

ANSI/IEC Battery Current (mA)
1.2-1.5** | 1.2-1.5**

Idle Current (mA)
1.2-1.3** | 1.2-1.3**

Estimated Battery Life for 16-Hour Day
312 Zinc Air (days) | 7-10** | 7-10**
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.
**IIC INVISIBLE-IN-CANAL**

**Picasso i2400 | i2000 | i1600**

**Picasso 2400 | 2000 | 1600**

**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

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

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

---

### Fitting Range

**Frequency (Hz)**

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

**Matrix Colors**
- Picasso IIC 35
- Picasso IIC 45
- Picasso IIC 50

---

**IIC Gain Data**

<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>110-115</td>
<td>120-125</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>106-109</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>110-114</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>35-50</td>
<td>45-61</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>30-46</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>39-46</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>
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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>29-32</td>
<td>32-37</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

---

**IIC Gain Data**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc 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>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>ANSI/IEC Battery Current (mA)</td>
<td>1.2-1.5”</td>
<td>1.2-1.4”</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.2”</td>
<td>1.2”</td>
</tr>
<tr>
<td>Estimated Battery Life for 16-Hour Day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Zinc Air (days)</td>
<td>4-7”</td>
<td>4-7”</td>
</tr>
</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.
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**

![Fitting Range Chart](chart.png)

**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>140</td>
<td>142</td>
<td>132</td>
<td>136</td>
</tr>
<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>131</td>
<td>N/A</td>
<td>118</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>N/A</td>
<td>136</td>
<td>N/A</td>
<td>125</td>
</tr>
<tr>
<td>Peak Gain (dB)</td>
<td>80</td>
<td>84</td>
<td>76</td>
<td>82</td>
</tr>
<tr>
<td>HFA Full-On Gain (dB)</td>
<td>72</td>
<td>N/A</td>
<td>59</td>
<td>N/A</td>
</tr>
<tr>
<td>RTF Full-On Gain (dB)</td>
<td>N/A</td>
<td>78</td>
<td>N/A</td>
<td>69</td>
</tr>
<tr>
<td>Frequency Range (Hz)</td>
<td>&lt;100-5100</td>
<td>&lt;100-6400</td>
<td>&lt;100-5700</td>
<td>&lt;100-7000</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>
<td>N/A</td>
</tr>
<tr>
<td>Reference Test Gain (dB)</td>
<td>54</td>
<td>61</td>
<td>41</td>
<td>50</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>23</td>
<td>23</td>
<td>23</td>
<td>23</td>
</tr>
</tbody>
</table>

**Harmonic Distortion**

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

**Induction Coil Sensitivity**

| HFA SPLITS (ANSI) (dB SPL) | 112 | N/A |
| MASL (IEC) (dB SPL)        | 98  | N/A |

**Battery Current (mA)**

| 2.5° | 1.8° |
| 2.5° | 1.8° |

**Idle Current (mA)**

| 1.5° | 1.5° |
| 1.5° | 1.5° |

**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.*
**POWER PLUS BTE 13**

**BEHIND-THE-EAR**

**Muse iQ i1200 | i1000**

---

**Measurement**

<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>
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<td>HFA OSPL90 (dB SPL)</td>
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<tr>
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<td>78</td>
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<td>HFA Frequencies (kHz)</td>
<td>1.0,1.6,2.5,5</td>
<td>N/A</td>
</tr>
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<td>54</td>
<td>61</td>
</tr>
<tr>
<td>Equivalent Input Noise (dB)</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 Hz (%)</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<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>
</tr>
</tbody>
</table>

**Tinnitus Technology**

**Telecoil**

**IP Rating 68**

---

**Accessories**

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

---

**Color Guide**

- Bright White with Sterling
- Slate
- Sterling
- Express
- Bronze
- Champagne

---

**Patient Features**

- Tinnitus Technology
- Telecoil
- IP Rating 68

---

**Earhook Thin Tube**

- Size 3, Occluded

**Measurement**

<table>
<thead>
<tr>
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<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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</tr>
<tr>
<td>MASL (IEC) (dB SPL)</td>
<td>98</td>
<td>N/A</td>
</tr>
<tr>
<td>Battery Current (mA)</td>
<td>2.5</td>
<td>1.6</td>
</tr>
<tr>
<td>Idle Current (mA)</td>
<td>1.5</td>
<td>1.5</td>
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<tr>
<td>Estimated Battery Life for 16-Hour Day</td>
<td>7-10’</td>
<td>7-10’</td>
</tr>
<tr>
<td>312 Zinc Air (days)</td>
<td>7-10’</td>
<td>7-10’</td>
</tr>
<tr>
<td>Tinnitus Therapy Stimulus</td>
<td></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.*
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>
</tr>
</thead>
<tbody>
<tr>
<td>Muse iQ Power Plus BTE 13 CROS</td>
<td>13</td>
<td>PR48</td>
<td>7000ZD</td>
</tr>
</tbody>
</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:
Made for a wireless landscape

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

Plug the Mini Mobile Adapter into the bottom of the SurfLink Remote Microphone 2 (shown above)
## Earmold and Earplug Options

### Materials and 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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<tbody>
<tr>
<td>Acrylic</td>
<td>Acrylic</td>
<td>Vinyl</td>
<td>Silicone</td>
<td>Silicone</td>
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<td>Digital</td>
<td>Hand Poured</td>
<td>Digital</td>
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<td>Digital</td>
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<td>90 shore</td>
<td>90 shore</td>
<td>50 shore</td>
<td>60 shore</td>
<td>40 shore</td>
<td>25 shore</td>
</tr>
</tbody>
</table>

The higher the shore value, the harder the material.

### Earmolds, Specialty Molds, Plugs

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<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>
</tr>
</tbody>
</table>
Custom RIC Earmolds

Hard Material Styles
DIGITAL SLS/LUCITE

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

Soft Material Styles
HIGH STRENGTH SILICONE

- RIC CANAL
- RIC HOLLOW CANAL
- RIC CANAL LOCK
- RIC HALF SHELL
- RIC 3/4 SHELL
- RIC SHELL
- RIC 3/4 SKELETON
- RIC SKELETON
- RIC HELIX
- RIC OCCLUDED HELIX

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

<table>
<thead>
<tr>
<th><strong>Hard Material Styles</strong></th>
<th><strong>Soft Material Styles</strong></th>
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<tbody>
<tr>
<td><strong>DIGITAL SLS/LUCITE</strong></td>
<td><strong>HIGH STRENGTH SILICONE</strong></td>
</tr>
<tr>
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<td>CIC</td>
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<td>CANAL</td>
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<tr>
<td>HOLLOW CANAL</td>
<td>HOLLOW CANAL</td>
</tr>
<tr>
<td>CANAL LOCK</td>
<td>CANAL LOCK</td>
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<td>HOLLOW CANAL LOCK</td>
<td>HOLLOW CANAL LOCK</td>
</tr>
<tr>
<td>3/4 SHELL</td>
<td>3/4 SHELL</td>
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<tr>
<td>SHELL</td>
<td>SHELL</td>
</tr>
<tr>
<td>3/4 SKELETON</td>
<td>3/4 SKELETON</td>
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<td>NON-OCCLUDING TYPE A MOLD</td>
<td>NON-OCCLUDING TYPE B MOLD</td>
</tr>
<tr>
<td>NON-OCCLUDIND TYPE G MOLD</td>
<td>HELIX THIN TUBE</td>
</tr>
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**DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR**

---

## Stock Solutions

<table>
<thead>
<tr>
<th><strong>Stock RIC Mold</strong></th>
<th><strong>Stock Helix RIC Mold</strong></th>
<th><strong>Open Comfort Bud</strong></th>
<th><strong>Occluded Comfort Bud</strong></th>
<th><strong>Power Domes</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Small</td>
<td>Standard</td>
<td>5mm, 6mm, 7mm, 9mm, 11mm</td>
<td>5mm, 6mm, 7mm, 9mm, 11mm</td>
<td>5mm, 6mm, 7mm, 9mm, 11mm</td>
</tr>
<tr>
<td>Small</td>
<td>Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Stock Hollow Silicone</strong></th>
<th><strong>Stock Thin Tube Solution</strong></th>
<th><strong>Open Comfort Bud</strong></th>
<th><strong>Occluded Comfort Bud</strong></th>
<th><strong>Power Domes</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Small</td>
<td>Standard</td>
<td>5mm, 6mm, 7mm, 9mm, 11mm</td>
<td>5mm, 6mm, 7mm, 9mm, 11mm</td>
<td>5mm, 6mm, 7mm, 9mm, 11mm</td>
</tr>
<tr>
<td>Small</td>
<td>Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## RIC Receiver Options

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

**Hard Material Styles**
DIGITAL SLS/LUCITE

- CIC
- CANAL
- HOLLOW CANAL
- CANAL LOCK
- HALF SHELL
- 3/4 SHELL
- SHELL
- 3/4 SKELETON
- SKELETON
- DIRECT TUBE
- JANSSEN MOLD

**Soft Material Styles**
HIGH STRENGTH SILICONE

- CIC
- CANAL
- CANAL LOCK
- HALF SHELL
- 3/4 SHELL
- SHELL
- 3/4 SKELETON
- SKELETON
- DIRECT TUBE
- JANSSEN MOLD

**DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR**

**Earmold Vent Size Chart**

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

**VENT SIZE IS LIMITED BY EAR ANATOMY**
Exposure to excessive noise is a common cause of permanent hearing loss. It can happen on the job, during a concert, while hunting or shooting, or even while mowing the lawn. Electronic and non-electronic hearing protection products from SoundGear provide the solution.
Electronic Custom Fit

SoundGear custom products are for those who are looking for exceptional performance and personalization. Each pair is custom molded to the wearer’s ears and features the most advanced 100 percent digital hearing protection and enhancement technology on the market.

### Color Guide

<table>
<thead>
<tr>
<th>Faceplate Colors</th>
<th>Shell Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Light Brown</td>
<td>Clear</td>
</tr>
<tr>
<td>Blue/Red</td>
<td>Black/Red</td>
</tr>
<tr>
<td>Silver Matrix: 95/30</td>
<td>NRR: 24-26 dB</td>
</tr>
</tbody>
</table>

- 4 Digital Listening Modes: (Normal, High Frequency Boost + Max Wind Management, Telecoil, Mute)
- Helix Microphone
- Not Field Programmable

### Platinum

Complete Kit Contains:
- Zipper carrying case
- One (1) pair of SoundGear electronic hearing protection devices
- Black removable lanyard system
- Two (2) packs of batteries (Size 13)
- One (1) cleaning brush
- Two (2) packs Hear Clear wax guards
- 1-year, Worry-Free repair warranty

### Silver

Complete Kit Contains:
- Zipper carrying case
- One (1) pair of SoundGear electronic hearing protection devices
- Black removable lanyard system
- Two (2) packs of batteries (Size 13)
- One (1) cleaning brush
- Two (2) packs Hear Clear wax guards
- 1-year, Worry-Free repair warranty
Electronic
Instant Fit

SoundGear In-the-Canal is the smallest and lightest dynamic digital hearing protection product available. It’s ideal for the hunter or shooter looking for an edge, or industrial workers looking for all-day comfort. Ready to wear right out of the box, it rests discreetly inside the user’s ear to deliver natural wind reduction and superior sound quality.

Hunter and Shooter Model
93/15 Matrix  |  NRR: 25 dB

Industrial Model
80/8 Matrix  |  NRR: 25 dB

Complete Kit Contains:
• Zipper carrying case
• One (1) pair of SoundGear electronic hearing protection devices
• Two (2) pairs of orange silicone sleeves (1) small (1) large
• Two (2) packs of batteries (Size 10)
• One (1) cleaning brush
• 1-year, Worry-Free repair warranty

Non-Electronic
Custom

As industry leaders in custom hearing instruments, we at Starkey — in partnership with SoundGear — apply the same manufacturing and technology expertise to our earplug solutions. They are customized for every patient resulting in the best custom-fit hearing protection available.

Solid Ear Plugs
NRR: 27 dB
• Full Shell

Filtered Ear Plugs
NRR: 10-26 dB
• Interchangeable Filters: 10 dB, 17 dB, 26 dB, Impulse or Solid
• Attenuate accross all frequencies
• Full Shell or Canal Style

High-Frequency Noise Filters
(Hocks Noise Braker)
NRR: 19-22 dB
• Full Shell

Complete Kit Contains:
• Zipper carrying case
• Earmolds
• Black removable lanyard system

Refer to color guide on page 110 for High Strength Silicone 40 color options.
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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Next-generation sound never before possible

Livio Edge AI is built on the revolutionary technology recognized as one of Time Magazine's 100 Best Inventions of 2019. Award-winning technology

Contact us
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For additional Starkey resources: StarkeyPro.com
For Thrive Hearing Control app compatibility information: starkey.com/thrivesupport

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Introducing the world's first 2.4 GHz custom rechargeables