

# livioEdge<sup>AI</sup>

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.

### Table of Contents

#### **Thrive Platform** (2.4 GHz + NFMI Technology)

<b>NEW</b> Livio Edge AI .....	5
<b>NEW</b> Thrive + Thrive Care apps .....	9
<b>NEW</b> Custom Rechargeables .....	13
Feature Overview .....	17
Product Specifications	
Livio Edge AI .....	19
Livio AI/Livio .....	39
2.4 GHz Accessories .....	81

#### **Synergy Platform** (900 MHz Technology)

Picasso Customs .....	87
Muse iQ Power Plus BTE 13 .....	89
Feature Overview .....	91
Product Specifications	
Picasso Customs .....	93
Muse iQ Power Plus BTE 13 .....	99
SurfLink Accessories .....	105
<b>Earmolds</b> .....	109
<b>SoundGear</b> .....	117

# 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.

On-demand help whenever your patient needs it



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.



6

**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.



7

# 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.



Thrive app for patients



Thrive Care app for caregivers

NEW

## thriveCare

### 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.

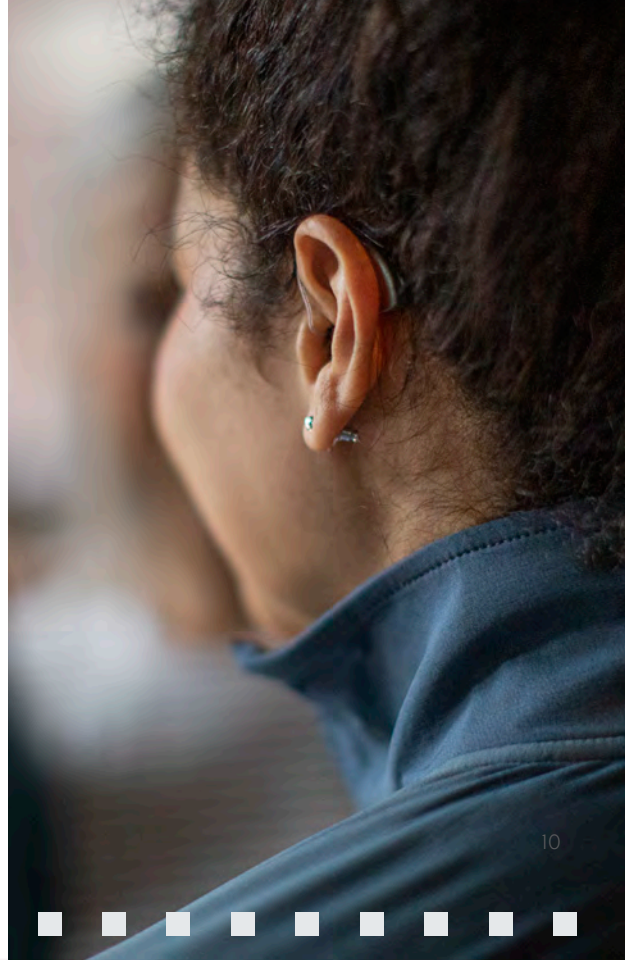
# thrive

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.

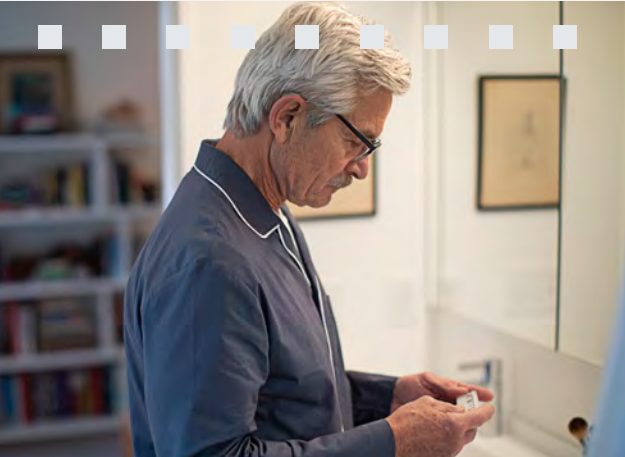


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## Reminders

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



12

## 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).

One-of-a-kind hearing aids and no more changing batteries



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

13

# 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.<sup>1</sup>

<sup>1</sup> Frankish, H. & Horton, R. (2017, July). Dementia prevention, intervention and care. *The Lancet*, 390(10113).



“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*



# Feature Overview

## livioEdge AI livio AI livio

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.

	Livio Edge AI Premium 2400	Livio Premium 2400	Livio AI/Livio Advanced 2000	Livio AI/Livio Select 1600	Livio AI/Livio Basic 1200	Livio AI/Livio Economy 1000
Platform:	Thrive	Thrive	Thrive	Thrive	Thrive	Thrive
Healthable Technology:						
Body Tracking	●		● (AI only)	● (AI only)	● (AI only)	● (AI only)
Brain Tracking	●		● (AI only)	● (AI only)	● (AI only)	
Fall Alert	●					
Intelligent Assistant:						
Thrive Assistant	●					
Translate	●		● (AI only)			
Transcribe	●					
Self Check (Auto Baseline)	●	●				
Auto On/Off	●	●	● (AI only)	● (AI only)	● (AI only)	● (AI only)
Reminders	●	●	●	●	●	●
Tap Control	●		● (AI only)	● (AI only)	● (AI only)	● (AI only)
Compatible App:	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control
Telehealth Service:						
Hearing Care Anywhere	●	●	●	●	●	●

	Livio Edge AI Premium 2400	Livio Premium 2400	Livio AI/Livio Advanced 2000	Livio AI/Livio Select 1600	Livio AI/Livio Basic 1200	Livio AI/Livio Economy 1000		Livio Edge AI Premium 2400	Livio Premium 2400	Livio AI/Livio Advanced 2000	Livio AI/Livio Select 1600	Livio AI/Livio Basic 1200	Livio AI/Livio Economy 1000
HEARING REALITY PRO							HEARING REALITY PRO						
Sound Imaging: Channels   Bands	24	24	20	16	12	10	Directional Processing:						
Speech Optimization	●	●	●	●	●	●	Immersion	●	●	●	●	●	
Music Optimization:							Adaptive	●	●	●	●	●	
Music Adaptation	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	Dynamic	●	●	●	●	●	●
E2E Music Adaptation	●	●	●	●			Directional	●	●	●	●	●	●
Ear-to-Ear Technology:							Edge Mode	●					
E2E Wind Noise Management	●	●	●	●			Feedback Management	●	●	●	●	●	●
E2E Machine Noise Adaptation	●	●	●	●			Frequency Lowering	●	●	●	●	●	●
E2E Directionality	●	●	●	●			Tinnitus Technology	●	●	●	●	●	●
E2E Phone Streaming*	●	●	●	●			CROS System**	●	●	●	●	●	●
Sound Manager:							Telecoil***	●	●	●	●	●	●
Auto Music	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	2.4 GHz Accessory Compatibility	●	●	●	●	●	●
Quiet	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4							
Spatial Speech Enhancement	●	●	●	●									
Machine Noise	Up to 20 dB of reduction	Up to 20 dB of reduction	Up to 10 dB of reduction	Up to 5 dB of reduction	Up to 5 dB of reduction	Up to 5 dB of reduction							
Speech in Noise	Up to 20 dB of reduction	Up to 20 dB of reduction	Up to 8 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction							
Transient Noise Reduction	Up to 15 dB of reduction	Up to 15 dB of reduction	Up to 9 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction							
Wind	Up to 30 dB of reduction	Up to 30 dB of reduction	Up to 15 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction							

\*Hearing Reality Pro is exclusive to Livio Edge AI.  
 \*\*Available on RIC R, RIC 312 and BTE 13 styles only.  
 \*\*\*Available on ITE R, RIC R and BTE 13 styles only.

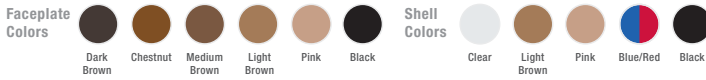


# ITE R

## IN-THE-EAR RECHARGEABLE

### Livio Edge AI 2400

#### Color Guide



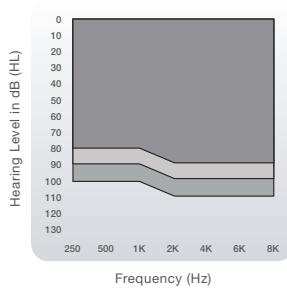
#### Patient Features

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

#### Accessories

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

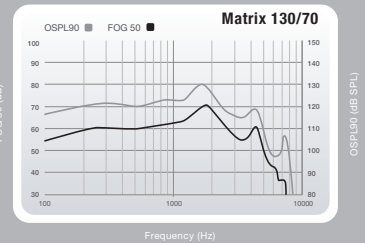
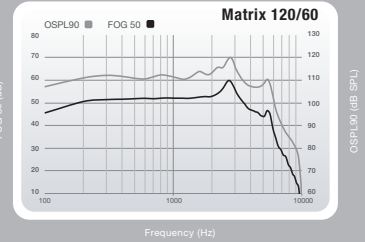
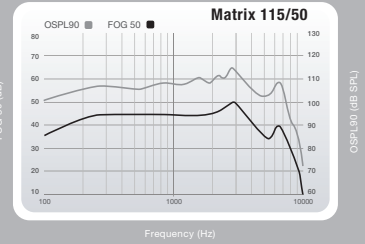
#### Fitting Range



- ITE R 50
- ITE R 60
- ITE R 70

#### Thrive Technology

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



#### ITE R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	115-130	126-139
HFA OSPL90 (dB SPL)	110-123	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
<b>Frequency Range (Hz)</b>	<b>&lt;100-8300</b>	<b>&lt;100-9000</b>
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
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

#### ITE R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>		
HFA SPLITS (ANSI) (dB SPL)	95-108	N/A
MASL (IEC) (dB SPL)	78-96	N/A
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	
<b>Tinnitus Therapy Stimulus</b>		
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.



# HS R

HALF SHELL RECHARGEABLE

## Livio Edge AI 2400

▶ Matrices: 110/140, 115/50, 120/60, 130/70

### Color Guide



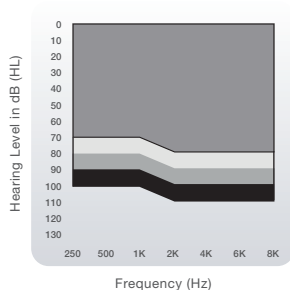
### Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

### Accessories

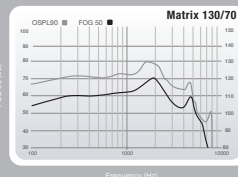
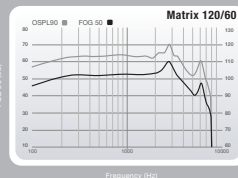
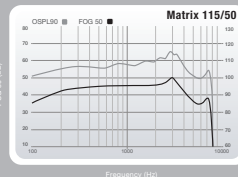
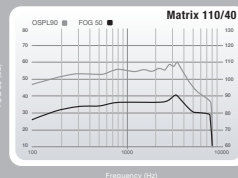
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Table Microphone
- Custom Charger
- Programmer

### Fitting Range



### Thrive Technology

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



### HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
<b>Frequency Range (Hz)</b>	<100-9600	<100-9600
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

### HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)		Up to 24 hours*
<b>Tinnitus Therapy Stimulus</b>		
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.

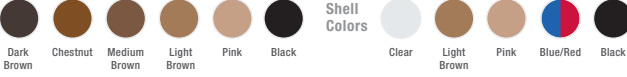


# ITC R

## IN-THE-CANAL RECHARGEABLE

### Livio Edge AI 2400

#### Faceplate Colors



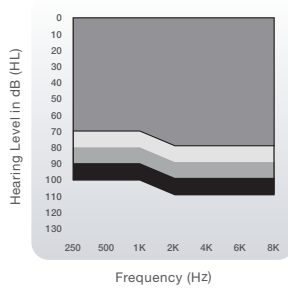
#### Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

#### Accessories

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

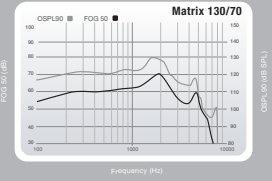
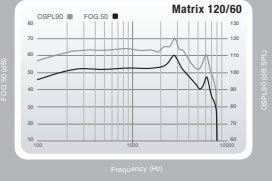
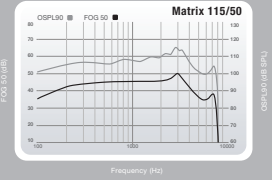
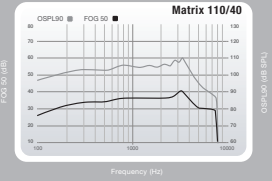
#### Fitting Range



- 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



#### ITC R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
<b>Frequency Range (Hz)</b>	<b>&lt;100-9600</b>	<b>&lt;100-9600</b>
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

#### ITC R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	
<b>Tinnitus Therapy Stimulus</b>		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

\*Results will vary based on wireless usage.



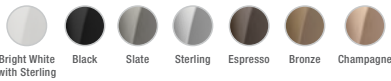
# RIC R

## RECEIVER-IN-CANAL RECHARGEABLE

### Livio Edge AI 2400

#### Color Guide

##### Standard Colors



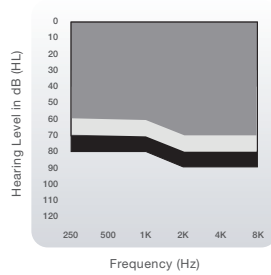
#### Patient Features

- 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

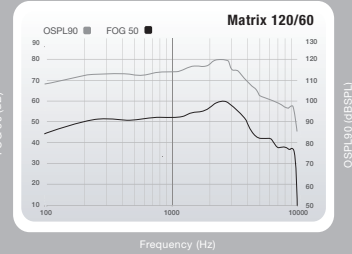
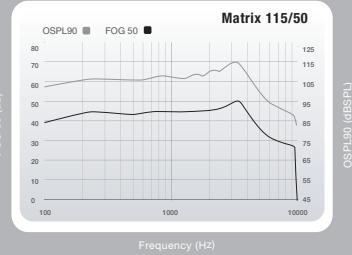
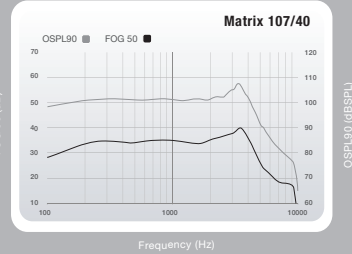


- RIC R 40
- RIC R 50
- RIC R 60

#### Thrive Technology

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

▶ Matrices: 107/40, 115/50, ▶ Battery Size: Encased 312 120/60



	40 Gain Data		50 Gain Data		60 Gain Data	
--	--------------	--	--------------	--	--------------	--

Measurement	40 Gain Data		50 Gain Data		60 Gain Data	
	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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
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
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
<b>Harmonic Distortion</b>						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

	40 Gain Data		50 Gain Data		60 Gain Data	
--	--------------	--	--------------	--	--------------	--

Measurement	40 Gain Data		50 Gain Data		60 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
<b>Estimated Lithium-Ion Battery Life</b>						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*		Up to 24 hours*		Up to 24 hours*	
<b>Tinnitus Therapy Stimulus</b>						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

\*Results will vary based on wireless usage.



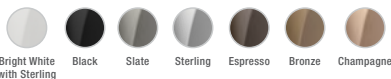
# RIC R AP

RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

## Livio Edge AI 2400

### Color Guide

Standard Colors



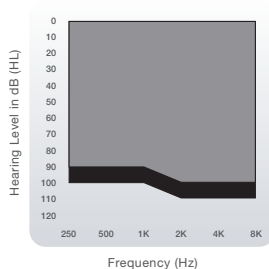
### Patient Features

- 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



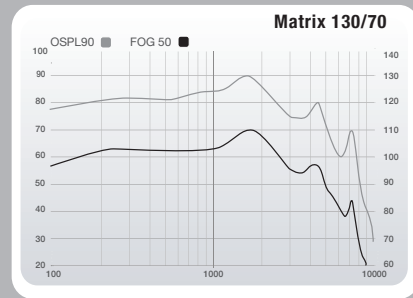
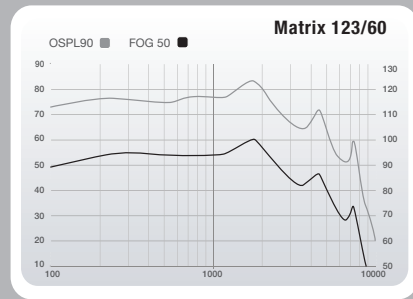
- RIC R 60 AP
- RIC R 70 AP

### Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: Encased 312



### 60 Gain Data

### 70 Gain Data

### 60 Gain Data

### 70 Gain Data

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

Measurement	ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
<b>Estimated Lithium-Ion Battery Life</b>				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*		Up to 24 hours*	
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Results will vary based on wireless usage.



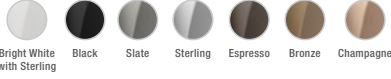
# RIC 312

RECEIVER-IN-CANAL

Livio Edge AI 2400

## Color Guide

Standard Colors



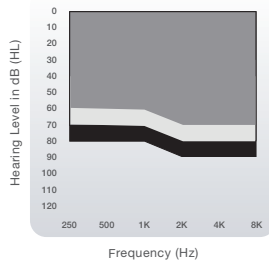
## Patient Features

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

## Accessories

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

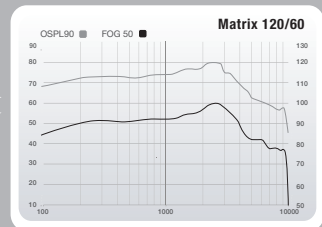
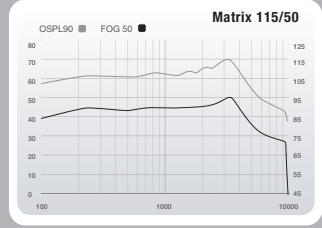
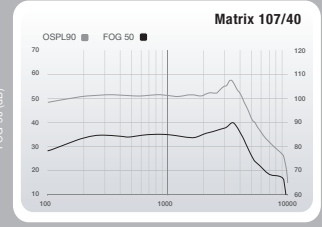
## Fitting Range



- RIC 312 40
- RIC 312 50
- RIC 312 60

## Thrive Technology

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



	40 Gain Data		50 Gain Data		60 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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
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
Reference Test Gain (dB)	25	36	32	44	40	52
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

	40 Gain Data		50 Gain Data		60 Gain Data	
--	--------------	--	--------------	--	--------------	--

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7**	4-7*	4-7*

### Tinnitus Therapy Stimulus

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

\*Results will vary based on wireless usage.



# RIC 312 AP

RECEIVER-IN-CANAL Absolute Power

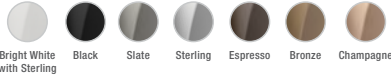
## Livio Edge AI 2400

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312

### Color Guide

Standard Colors



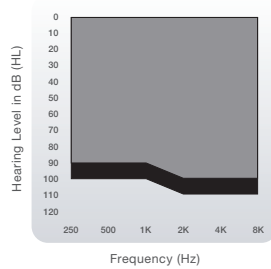
### Patient Features

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

### Accessories

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

### Fitting Range

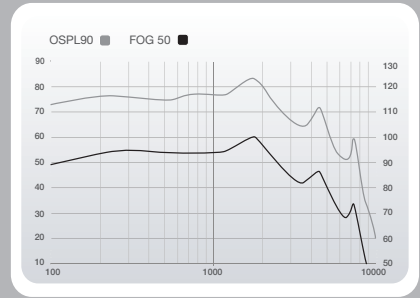


● RIC 312 60 AP

● RIC 312 70 AP

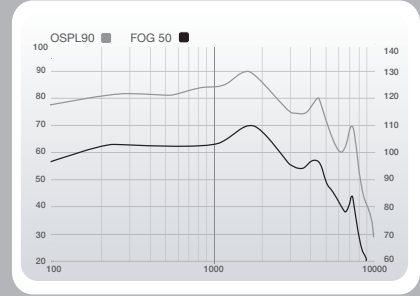
### Thrive Technology

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



FOG 50 (dB)

OSPL90 (dB SPL)



FOG 50 (dB)

OSPL90 (dB SPL)

### 60 Gain Data

### 70 Gain Data

### 60 Gain Data

### 70 Gain Data

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

Measurement	ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
<b>Estimated Lithium-Ion Battery Life</b>				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Results will vary based on wireless usage.





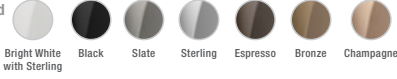
# mRIC 312

RECEIVER-IN-CANAL

Livio Edge AI 2400

## Color Guide

Standard Colors



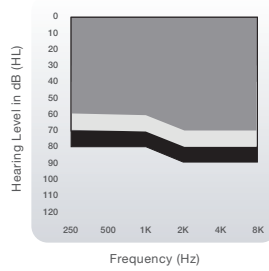
## Patient Features

- Tinnitus Technology
- Wireless Connectivity

## Accessories

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

## Fitting Range



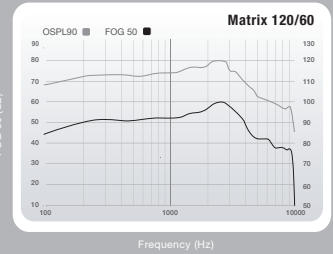
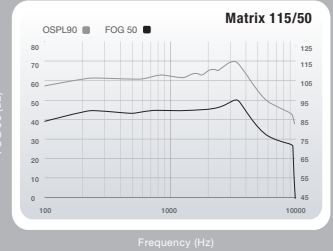
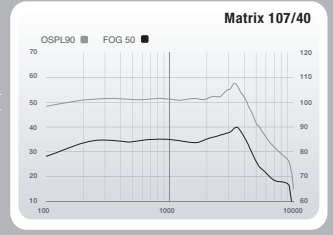
- mRIC 312 40
- mRIC 312 50
- mRIC 312 60

## Thrive Technology

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

▶ Matrices: 107/40, 115/50, 120/60

▶ Battery Size: 312



40 Gain Data

Measurement	ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler	
	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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
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
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
<b>Harmonic Distortion</b>						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

40 Gain Data

Measurement	ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
<b>Estimated Battery Life for 16-Hour Day</b>						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
<b>Tinnitus Therapy Stimulus</b>						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

\*Results will vary based on wireless usage.



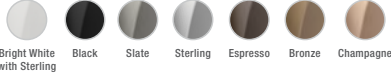
# mRIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Livio Edge AI 2400

## Color Guide

Standard Colors



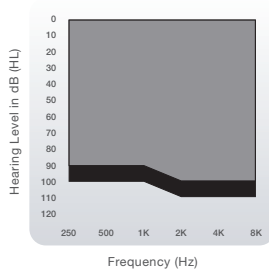
## Patient Features

- Tinnitus Technology
- Wireless Connectivity

## Accessories

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

## Fitting Range



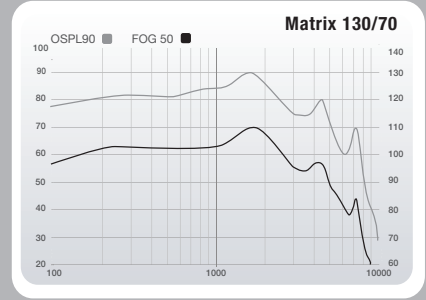
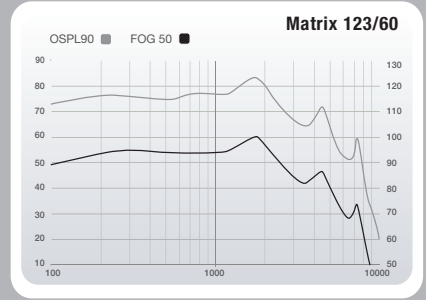
- mRIC 312 60 AP
- mRIC 312 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



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

Measurement	60 Gain Data		70 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
<b>Estimated Lithium-Ion Battery Life</b>				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Results will vary based on wireless usage.



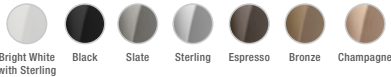
# BTE 13

BEHIND-THE-EAR

Livio Edge AI 2400

## Color Guide

Standard Colors



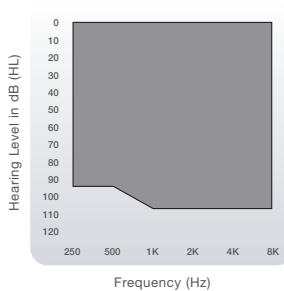
## Patient Features

- 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



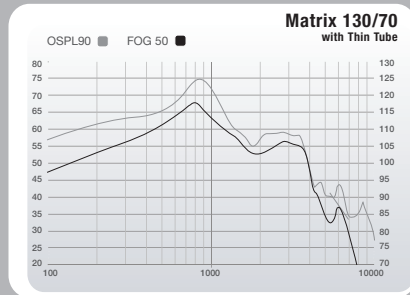
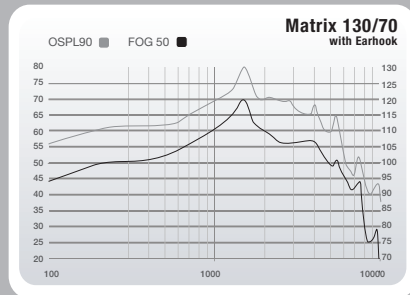
BTE 13 70

## Thrive Technology

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

Matrix: 130/70

Battery Size: 13



Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	136	124	129
HFA OSPL90 (dB SPL)	122	N/A	112	N/A
RTF OSPL90 (dB SPL)	N/A	134	N/A	114
Peak Gain (dB)	70	76	68	73
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	73	N/A	61
<b>Frequency Range (Hz)</b>	<b>&lt;100-7600</b>	<b>&lt;100-7800</b>	<b>&lt;100-4600</b>	<b>&lt;100-6800</b>
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	45	59	35	39
Equivalent Input Noise (dB)	24	18	29	29
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	91	N/A
MASL (IEC) (dB SPL)	92	N/A	88	N/A
ANSI/IEC Battery Current (mA)	1.9'	1.8'	1.9'	1.8'
Idle Current (mA)	1.7'	1.7'	1.7'	1.7'
<b>Estimated Battery Life for 16-Hour Day</b>				
312 Zinc Air (days)	7-11'	7-11'	7-11'	7-11'
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Results will vary based on wireless usage.

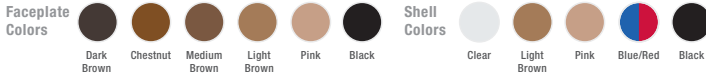


# ITE R

IN-THE-EAR RECHARGEABLE

Livio AI 2000 | 1600  
Livio 2400 | 2000 | 1600

## Color Guide



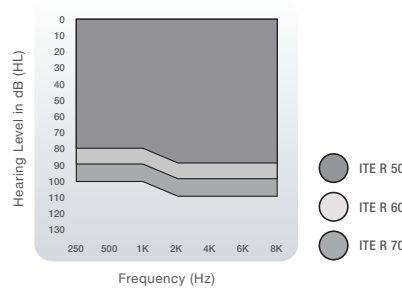
## Patient Features

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

## Accessories

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

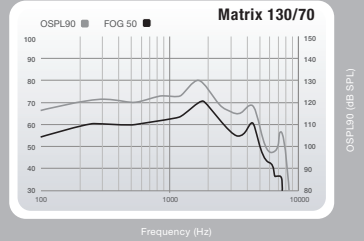
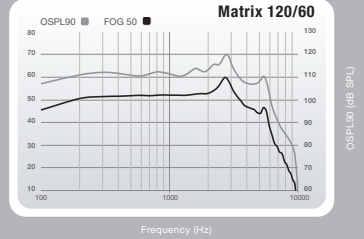
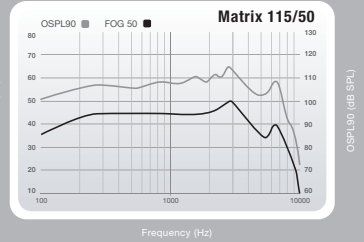
## Fitting Range



## Thrive Technology

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

▶ Matrices: 115/50, 120/60, 130/70



## 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
<b>Frequency Range (Hz)</b>	<b>&lt;100-8300</b>	<b>&lt;100-9000</b>
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
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

## ITE R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>		
HFA SPLITS (ANSI) (dB SPL)	95-108	N/A
MASL (IEC) (dB SPL)	78-96	N/A
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**	
<b>Tinnitus Therapy Stimulus</b>		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

\*Available on Livio AI only.

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



# ITE R

IN-THE-EAR RECHARGEABLE

Liveo AI 1200 | 1000  
Liveo 1200 | 1000

## Color Guide



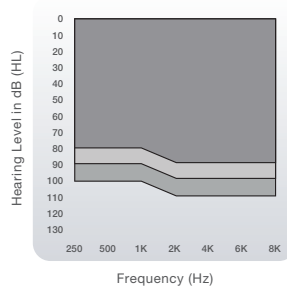
## Patient Features

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

## Accessories

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

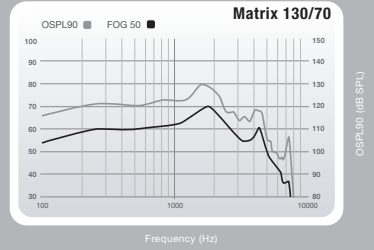
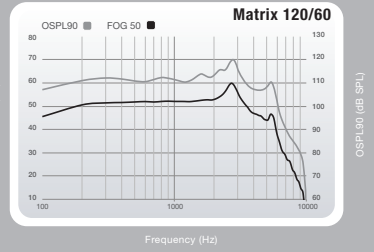
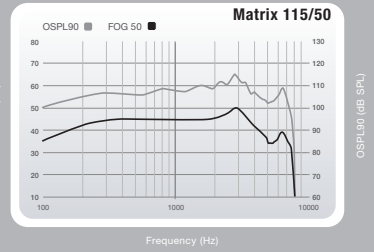
## Fitting Range



## Thrive Technology

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

▶ Matrices: 115/50, 120/60, 130/70\*\*



## 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
<b>Frequency Range (Hz)</b>	<b>&lt;100-7800</b>	<b>&lt;100-7800</b>
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
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

## ITE R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>		
HFA SPLITS (ANSI) (dB SPL)	95-108	N/A
MASL (IEC) (dB SPL)	78-96	N/A
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***	
<b>Tinnitus Therapy Stimulus</b>		
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

### Color Guide



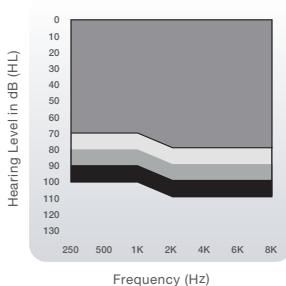
### Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

### Accessories

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

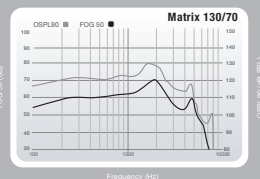
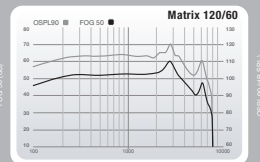
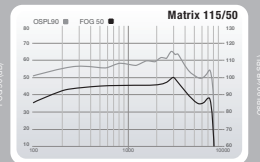
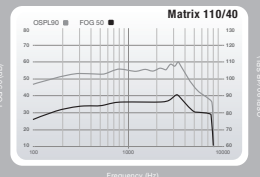
### Fitting Range



- HS R 40
- HS R 50
- HS R 60
- HS R 70

### Thrive Technology

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



HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
<b>Frequency Range (Hz)</b>	<b>&lt;100-9600</b>	<b>&lt;100-9600</b>
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**	
<b>Tinnitus Therapy Stimulus</b>		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

\*Available on Livio AI only.

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



# HS R

HALF SHELL RECHARGEABLE

Livio AI 1200 | 1000  
Livio 1200 | 1000

▶ Matrices: 110/140, 115/50, 120/60, 130/70\*\*

## Color Guide

Faceplate Colors



Shell Colors



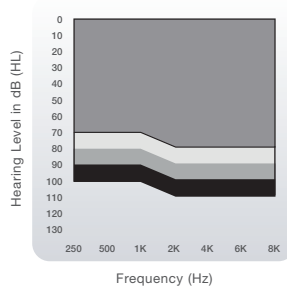
## Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

## Accessories

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

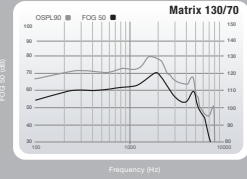
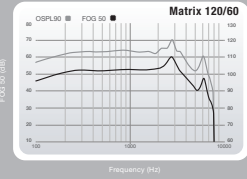
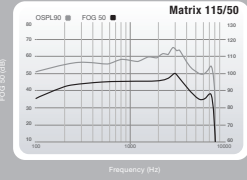
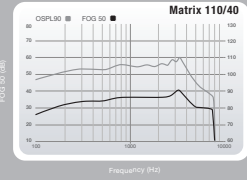
## Fitting Range



- HS R 40
- HS R 50
- HS R 60
- HS R 70

## Thrive Technology

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



## HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
<b>Frequency Range (Hz)</b>	<100-7900	<100-8000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

## HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***	
<b>Tinnitus Therapy Stimulus</b>		
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.



# ITC R

IN-THE-CANAL RECHARGEABLE

Livio AI 2000 | 1600  
Livio 2400 | 2000 | 1600

## Color Guide

Faceplate Colors



Shell Colors



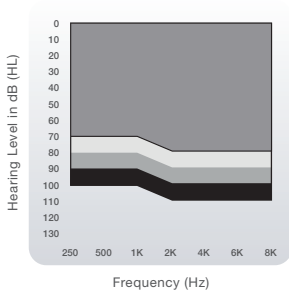
## Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

## Accessories

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

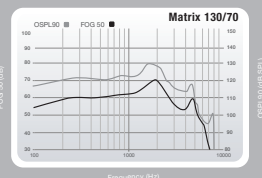
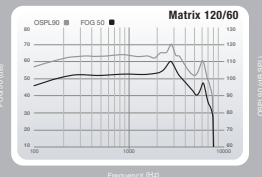
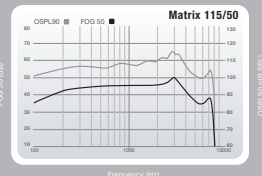
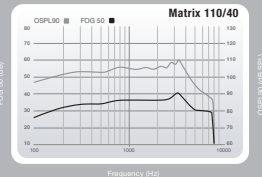
## Fitting Range



- 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



## ITC R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
<b>Frequency Range (Hz)</b>	<b>&lt;100-9600</b>	<b>&lt;100-9600</b>
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

## ITC R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)		Up to 24 hours**
<b>Tinnitus Therapy Stimulus</b>		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

\*Available on Livio AI only.

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





# ITC R

IN-THE-CANAL 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

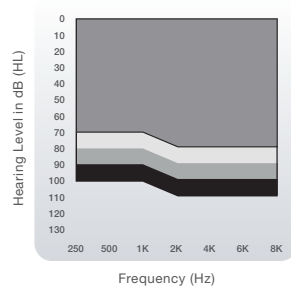
## Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

## Accessories

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

## Fitting Range

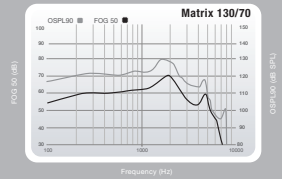
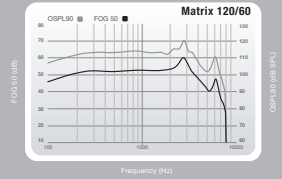
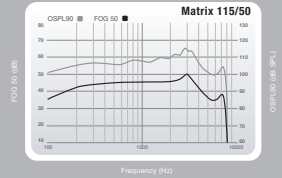
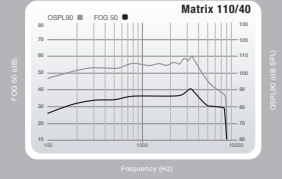


- ITC R 40
- ITC R 50
- ITC R 60
- ITC R 70

## Thrive Technology

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

▶ Matrices: 110/140, 115/50, 120/60, 130/70\*\*



## ITC R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
<b>Frequency Range (Hz)</b>	<100-7900	<100-8000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

## ITC R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Estimated Lithium-Ion Battery Life</b>		
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***	
<b>Tinnitus Therapy Stimulus</b>		
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.



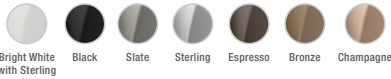
# RIC R

## RECEIVER-IN-CANAL RECHARGEABLE

Livio AI 2000 | 1600  
Livio 2400 | 2000 | 1600

### Color Guide

Standard Colors



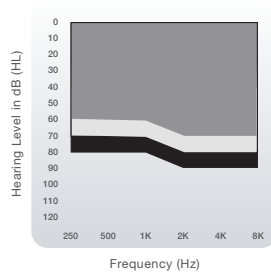
### Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFM1) Ear-to-Ear Streaming

### Accessories

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

### Fitting Range

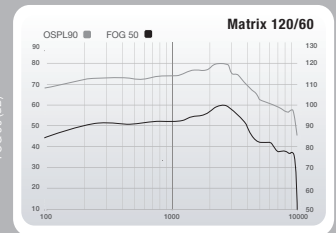
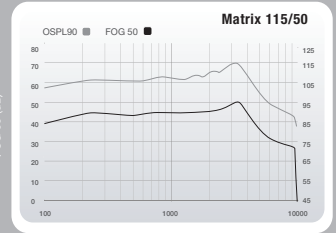
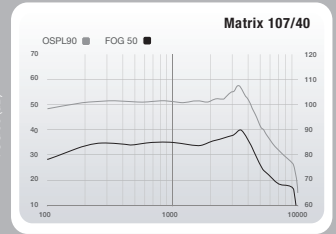


- RIC R 40
- RIC R 50
- RIC R 60

### Thrive Technology

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

▶ Matrices: 107/40, 115/50, ▶ Battery Size: Encased 312 120/60



Measurement	40 Gain Data		50 Gain Data		60 Gain Data	
	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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
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
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
<b>Harmonic Distortion</b>						
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	40 Gain Data		50 Gain Data		60 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
<b>Estimated Lithium-Ion Battery Life</b>						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**		Up to 24 hours**		Up to 24 hours**	
<b>Tinnitus Therapy Stimulus</b>						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

\*Available on Livio AI only.

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



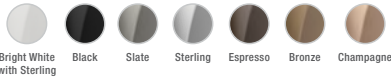
# RIC R

## RECEIVER-IN-CANAL RECHARGEABLE

Livio AI 1200 | 1000  
Livio 1200 | 1000

### Color Guide

Standard Colors



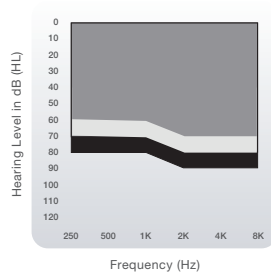
### Patient Features

- 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

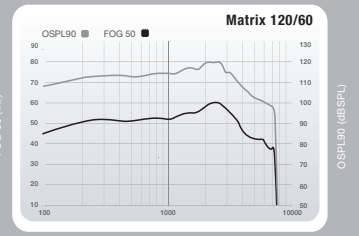
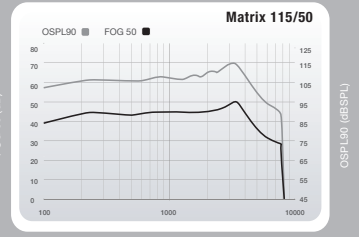
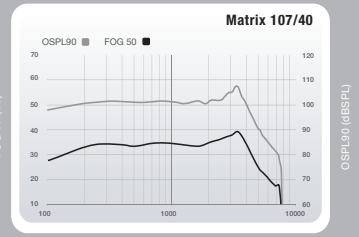


- RIC R 40
- RIC R 50
- RIC R 60

### Thrive Technology

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

▶ Matrices: 107/40, 115/50, ▶ Battery Size: Encased 312 120/60



	40 Gain Data		50 Gain Data		60 Gain Data	
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Measurement	ANSI/IEC 2cc Coupler		IEC OES Coupler		ANSI/IEC 2cc Coupler		IEC OES Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	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)	107	120	115	127	120	131		
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A		
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127		
Peak Gain (dB)	40	52	50	63	60	71		
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A		
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65		
Frequency Range (Hz)	<100-7700	<100-7700	<100-7700	<100-7800	<100-7700	<100-7800		
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		
Reference Test Gain (dB)	25	36	32	44	40	52		
Equivalent Input Noise (dB)	26	26	26	26	26	26		
<b>Harmonic Distortion</b>								
500 Hz (%)	<3	<3	<3	<3	<3	<3		
800 Hz (%)	<3	<3	<3	<3	<3	<3		
1600 Hz (%)	<3	<3	<3	<3	<3	<3		

	40 Gain Data		50 Gain Data		60 Gain Data	
--	--------------	--	--------------	--	--------------	--

Measurement	ANSI/IEC 2cc Coupler		IEC OES Coupler		ANSI/IEC 2cc Coupler		IEC OES Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>								
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A		
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A		
<b>Estimated Lithium-Ion Battery Life</b>								
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***		Up to 24 hours***		Up to 24 hours***			
<b>Tinnitus Therapy Stimulus</b>								
Max RMS Output (dB SPL)	87		87		87			
Weighted RMS Output Level (dB SPL)	87		87		87			
Max 1/3 Octave Output (dB SPL)	87		87		87			

\*Available on 1200 technology tier only.  
\*\*Available on Livio AI only.  
\*\*\*Results will vary based on wireless usage.



# RIC R AP

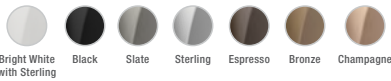
RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Livio AI 2000 | 1600

Livio 2400 | 2000 | 1600

## Color Guide

Standard Colors



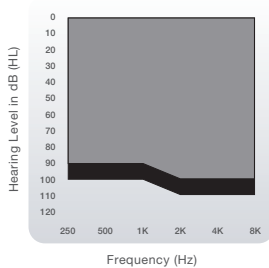
## Patient Features

- 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



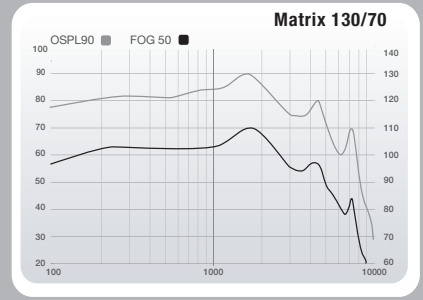
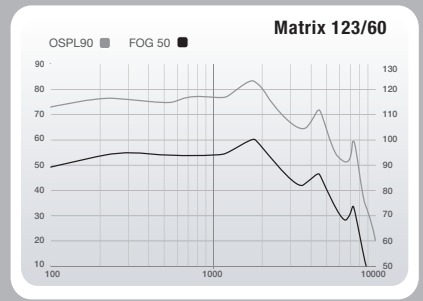
- RIC R 60 AP
- RIC R 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: Encased 312



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

Measurement	60 Gain Data		70 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
<b>Estimated Lithium-Ion Battery Life</b>				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**		Up to 24 hours**	
<b>Tinnitus Therapy Stimulus</b>				
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.



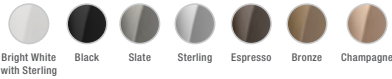
# RIC R AP

RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Livio AI 1200 | 1000  
Livio 1200 | 1000

## Color Guide

Standard Colors



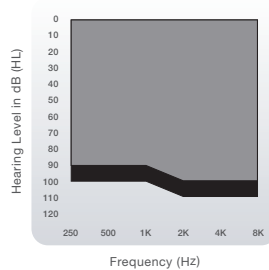
## Patient Features

- 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



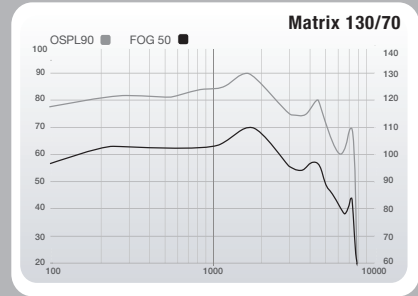
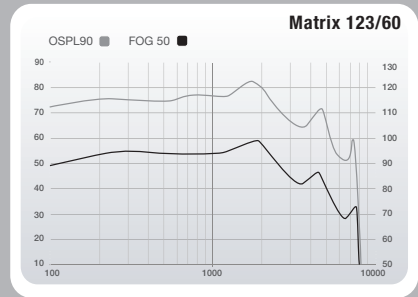
- RIC R 60 AP
- RIC R 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: Encased 312



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

Measurement	60 Gain Data		70 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
<b>Estimated Lithium-Ion Battery Life</b>				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***		Up to 24 hours***	
<b>Tinnitus Therapy Stimulus</b>				
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.

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



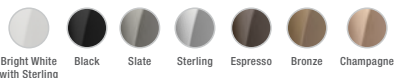
# RIC 312

RECEIVER-IN-CANAL

Livio AI 2000 | 1600  
Livio 2400 | 2000 | 1600

## Color Guide

Standard Colors



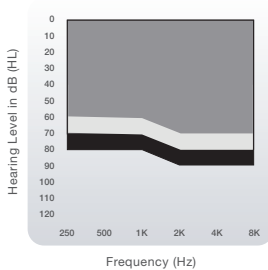
## Patient Features

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

## Accessories

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

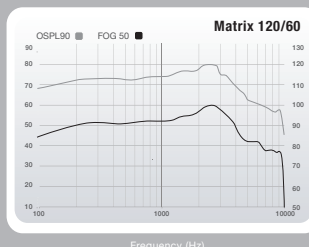
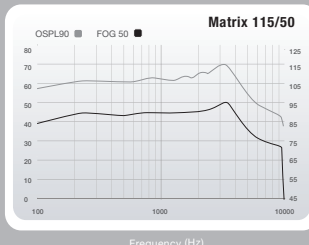
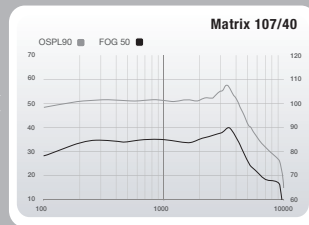
## Fitting Range



- RIC 312 40
- RIC 312 50
- RIC 312 60

## Thrive Technology

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



Measurement	40 Gain Data		50 Gain Data		60 Gain Data	
	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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
<b>Frequency Range (Hz)</b>	<b>&lt;100-9400</b>	<b>&lt;100-9400</b>	<b>&lt;100-9600</b>	<b>&lt;100-9600</b>	<b>&lt;100-9200</b>	<b>&lt;100-9600</b>
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
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
<b>Harmonic Distortion</b>						
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	40 Gain Data		50 Gain Data		60 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8**	1.7**	1.9**	1.8**	2.1**	2.0**
Idle Current (mA)	1.7**	1.7**	1.7**	1.7**	1.8**	1.9**
<b>Estimated Battery Life for 16-Hour Day</b>						
312 Zinc Air (days)	4-7**	4-7**	4-7**	4-7**	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

\*Available on Livio AI only.

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



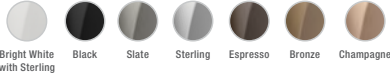
# RIC 312

## RECEIVER-IN-CANAL

Livio AI 1200 | 1000  
Livio 1200 | 1000

### Color Guide

Standard Colors



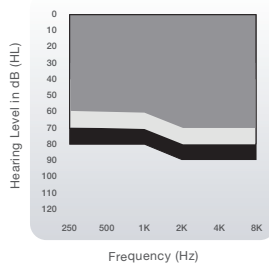
### Patient Features

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

### Accessories

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

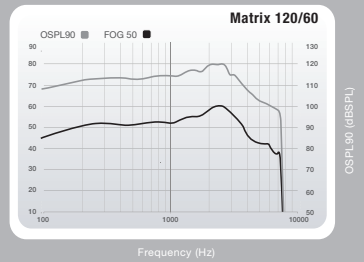
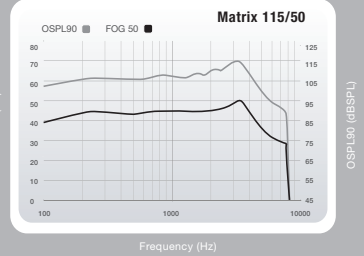
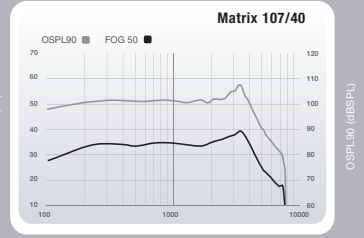
### Fitting Range



- RIC 312 40
- RIC 312 50
- RIC 312 60

### Thrive Technology

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



	40 Gain Data		50 Gain Data		60 Gain Data	
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Measurement	ANSI/IEC 2cc Coupler		IEC OES Coupler		ANSI/IEC 2cc Coupler		IEC OES Coupler	
	<100-7700	<100-6900	<100-7700	<100-7800	<100-7700	<100-7800	<100-7700	<100-7800
Peak OSPL90 (dB SPL)	107	120	115	127	120	131		
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A		
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127		
Peak Gain (dB)	40	52	50	63	60	71		
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A		
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65		
Frequency Range (Hz)	<100-7700	<100-6900	<100-7700	<100-7800	<100-7700	<100-7800		
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		
Reference Test Gain (dB)	25	36	32	44	40	52		
Equivalent Input Noise (dB)	26	26	26	26	26	26		

### Harmonic Distortion

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

	40 Gain Data		50 Gain Data		60 Gain Data	
--	--------------	--	--------------	--	--------------	--

Measurement	ANSI/IEC 2cc Coupler		IEC OES Coupler		ANSI/IEC 2cc Coupler		IEC OES Coupler	
	<100-7700	<100-6900	<100-7700	<100-7800	<100-7700	<100-7800	<100-7700	<100-7800
ANSI/IEC Battery Current (mA)	1.8***	1.7***	1.9***	1.8***	2.1***	2.0***		
Idle Current (mA)	1.7***	1.7***	1.7***	1.7***	1.8***	1.9***		
<b>Estimated Battery Life for 16-Hour Day</b>								
312 Zinc Air (days)	4-7***	4-7***	4-7***	4-7***	4-7***	4-7***		

### Tinnitus Therapy Stimulus

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

\*Available on 1200 technology tier only.

\*\*Available on Livio AI only.

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



# RIC 312 AP

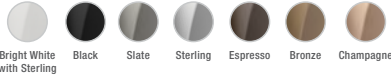
RECEIVER-IN-CANAL Absolute Power

Livio AI 2000 | 1600

Livio 2400 | 2000 | 1600

## Color Guide

Standard Colors



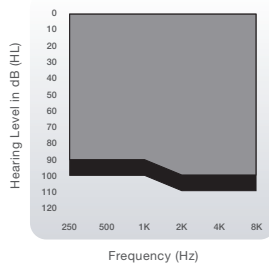
## Patient Features

- 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



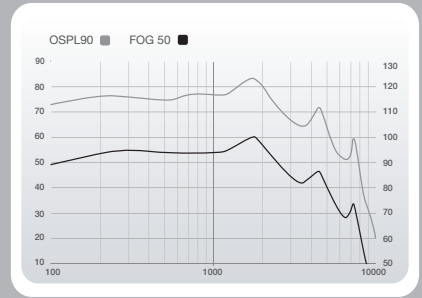
- RIC 312 60 AP
- RIC 312 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

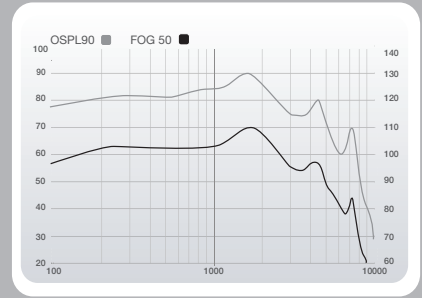
▶ Battery Size: 312



FOG 50 (dB)

Frequency (Hz)

OSPL90 (dB SPL)



FOG 50 (dB)

Frequency (Hz)

OSPL90 (dB SPL)

### 60 Gain Data

### 70 Gain Data

### 60 Gain Data

### 70 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
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
<b>Frequency Range (Hz)</b>	<b>&lt;100-5500</b>	<b>&lt;100-5700</b>	<b>&lt;100-5800</b>	<b>&lt;100-5700</b>
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	ANSI/IEC 2cc Coupler		IEC OES Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7**	1.7**	1.9**	1.8**
Idle Current (mA)	1.7**	1.7**	1.7**	1.7**
<b>Estimated Lithium-Ion Battery Life</b>				
312 Zinc Air (days)	4-7**	4-7**	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>				
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.





# RIC 312 AP

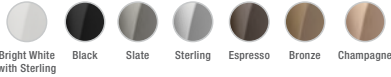
RECEIVER-IN-CANAL Absolute Power

Livio AI 1200 | 1000

Livio 1200 | 1000

## Color Guide

Standard Colors



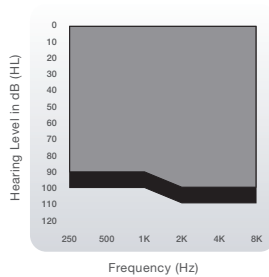
## Patient Features

- 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



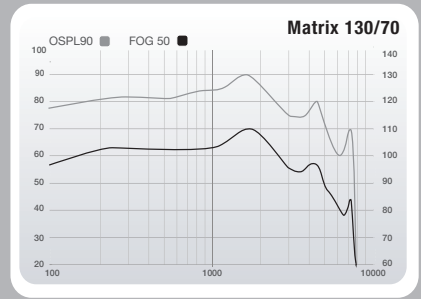
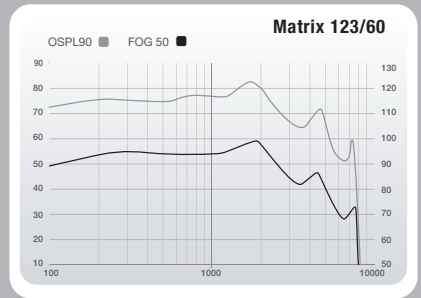
- RIC 312 60 AP
- RIC 312 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



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

Measurement	60 Gain Data		70 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7***	1.7***	1.9***	1.8***
Idle Current (mA)	1.7***	1.7***	1.7***	1.7***
<b>Estimated Lithium-Ion Battery Life</b>				
312 Zinc Air (days)	4-7***	4-7***	4-7***	4-7***
<b>Tinnitus Therapy Stimulus</b>				
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.

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



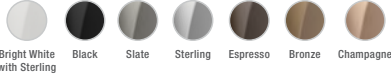
# mRIC 312

RECEIVER-IN-CANAL

Livio AI 2000 | 1600  
Livio 2400 | 2000 | 1600

## Color Guide

Standard Colors



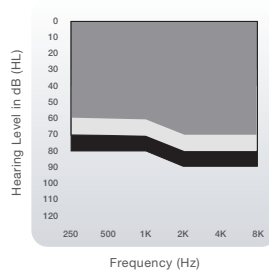
## Patient Features

- Tinnitus Technology
- Wireless Connectivity

## Accessories

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

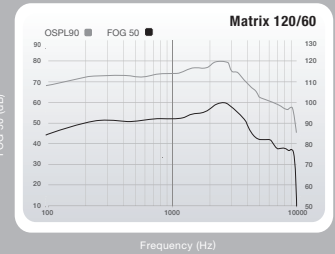
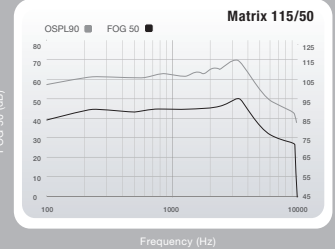
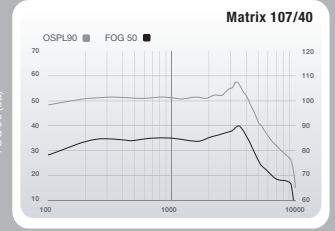
## Fitting Range



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

## Thrive Technology

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



40 Gain Data      50 Gain Data      60 Gain Data

Measurement	40 Gain Data		50 Gain Data		60 Gain Data	
	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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
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
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
<b>Harmonic Distortion</b>						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

40 Gain Data      50 Gain Data      60 Gain Data

Measurement	40 Gain Data		50 Gain Data		60 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8**	1.7**	1.9**	1.8**	2.1**	2.0**
Idle Current (mA)	1.7**	1.7**	1.7**	1.7**	1.8**	1.9**
<b>Estimated Battery Life for 16-Hour Day</b>						
312 Zinc Air (days)	4-7**	4-7**	4-7**	4-7**	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

\*Available on Livio AI only.

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

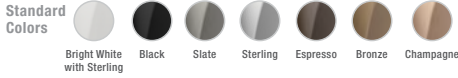


# mRIC 312

## RECEIVER-IN-CANAL

Livio AI 1200 | 1000  
Livio 1200 | 1000

### Color Guide



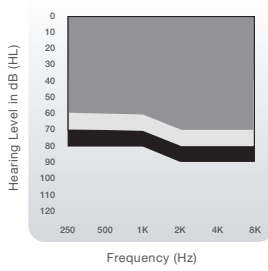
### Patient Features

- Tinnitus Technology
- Wireless Connectivity

### Accessories

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

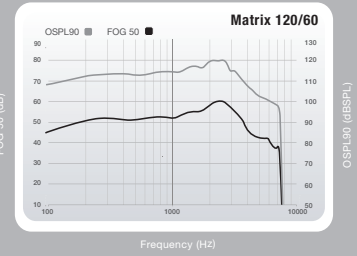
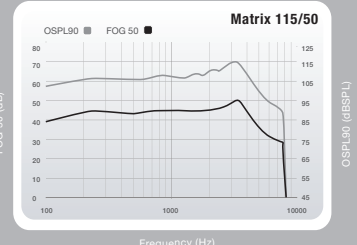
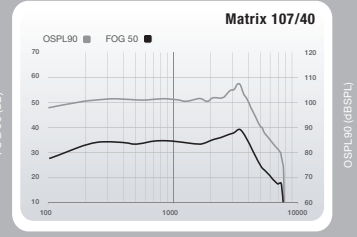
### Fitting Range



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

### Thrive Technology

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



40 Gain Data

Measurement	ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler	
	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)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
<b>Frequency Range (Hz)</b>	<b>&lt;100-7700</b>	<b>&lt;100-7700</b>	<b>&lt;100-7700</b>	<b>&lt;100-7800</b>	<b>&lt;100-7700</b>	<b>&lt;100-7800</b>
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
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
<b>Harmonic Distortion</b>						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

40 Gain Data

Measurement	ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler		ANSI/IEC 2cc Coupler	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8"	1.7"	1.9"	1.8"	2.1"	2.0"
Idle Current (mA)	1.7"	1.7"	1.7"	1.7"	1.8"	1.9"
<b>Estimated Battery Life for 16-Hour Day</b>						
312 Zinc Air (days)	4-7"	4-7"	4-7"	4-7"	4-7"	4-7"
<b>Tinnitus Therapy Stimulus</b>						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

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

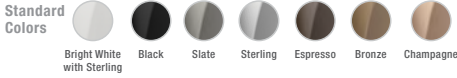


# mRIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Livio AI 2000 | 1600  
Livio 2400 | 2000 | 1600

## Color Guide



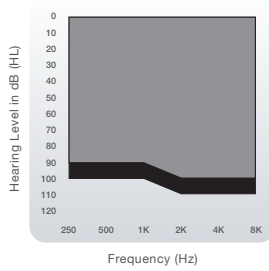
## Patient Features

- Tinnitus Technology
- Wireless Connectivity

## Accessories

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

## Fitting Range



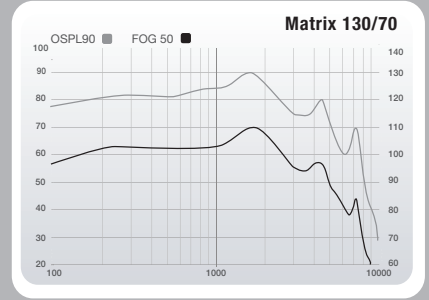
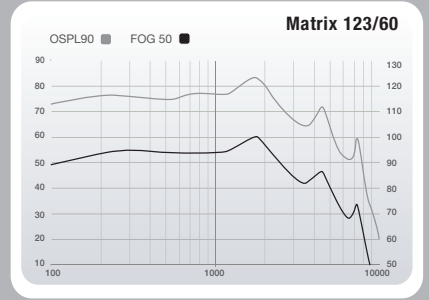
- mRIC 312 60 AP
- mRIC 312 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



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

Measurement	60 Gain Data		70 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
<b>Estimated Lithium-Ion Battery Life</b>				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Available on Livio AI only.

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



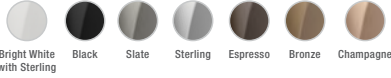
# mRIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Livio AI 1200 | 1000  
Livio 1200 | 1000

## Color Guide

Standard Colors



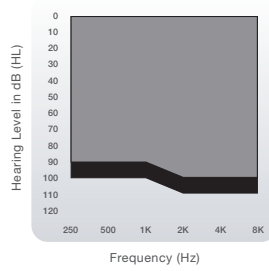
## Patient Features

- Tinnitus Technology
- Wireless Connectivity

## Accessories

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

## Fitting Range



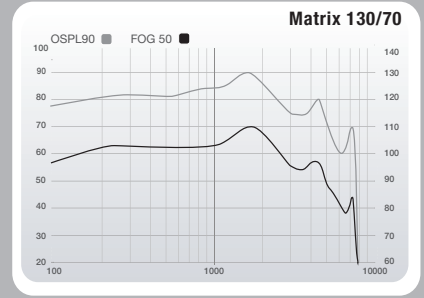
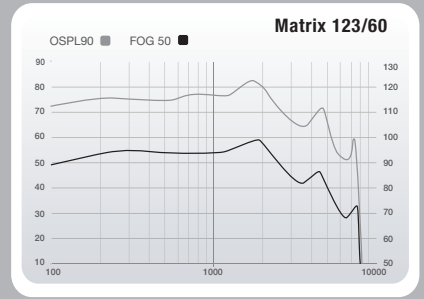
- mRIC 312 60 AP
- mRIC 312 70 AP

## Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



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

Measurement	60 Gain Data		70 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7**	1.7**	1.9**	1.8**
Idle Current (mA)	1.7**	1.7**	1.7**	1.7**
<b>Estimated Lithium-Ion Battery Life</b>				
312 Zinc Air (days)	4-7**	4-7**	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>				
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.



# BTE 13

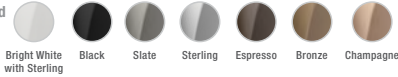
BEHIND-THE-EAR

Livio AI 2000 | 1600

Livio 2400 | 2000 | 1600

## Color Guide

Standard Colors



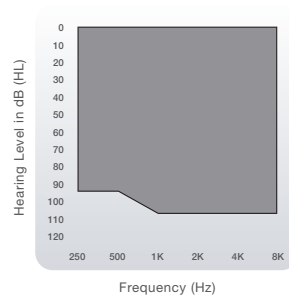
## Patient Features

- 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



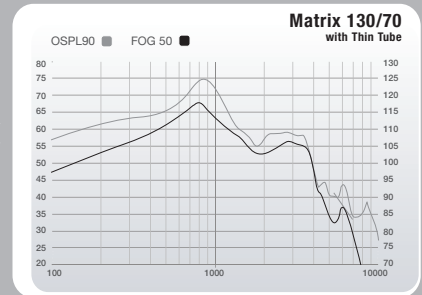
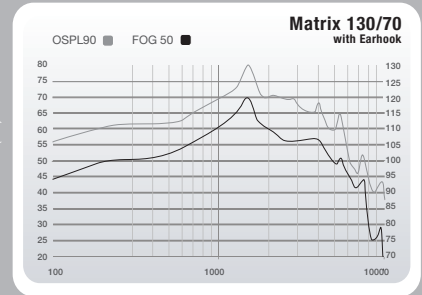
BTE 13 70

## Thrive Technology

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

▶ Matrix: 130/70

▶ Battery Size: 13



Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	136	124	129
HFA OSPL90 (dB SPL)	122	N/A	112	N/A
RTF OSPL90 (dB SPL)	N/A	134	N/A	114
Peak Gain (dB)	70	76	68	73
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	73	N/A	61
<b>Frequency Range (Hz)</b>	<b>&lt;100-7600</b>	<b>&lt;100-7800</b>	<b>&lt;100-4600</b>	<b>&lt;100-6800</b>
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	45	59	35	39
Equivalent Input Noise (dB)	24	18	29	29
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	91	N/A
MASL (IEC) (dB SPL)	92	N/A	88	N/A
ANSI/IEC Battery Current (mA)	1.9*	1.8*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
<b>Estimated Battery Life for 16-Hour Day</b>				
312 Zinc Air (days)	7-11*	7-11*	7-11*	7-11*
<b>Tinnitus Therapy Stimulus</b>				
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.

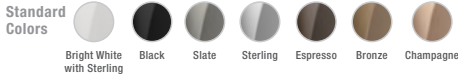


# BTE 13

BEHIND-THE-EAR

Livio AI 1200 | 1000  
Livio 1200 | 1000

## Color Guide



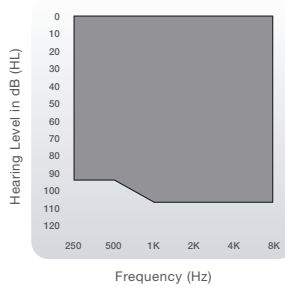
## Patient Features

- 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



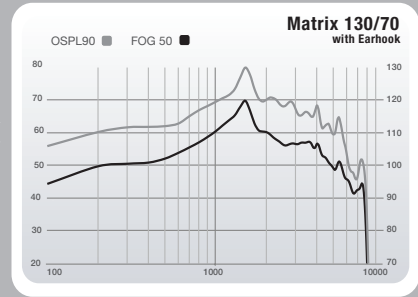
BTE 13 70

## Thrive Technology

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

▶ Matrix: 130/70

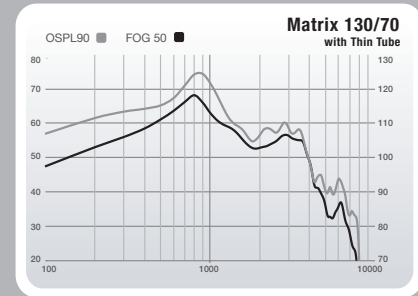
▶ Battery Size: 13



FOG 50 (dB)

OSPL90 (dB SPL)

Frequency (Hz)



FOG 50 (dB)

OSPL90 (dB SPL)

Frequency (Hz)

### Earhook

### Thin Tube (Size 3, Occluded)

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	136	124	129
HFA OSPL90 (dB SPL)	122	N/A	112	N/A
RTF OSPL90 (dB SPL)	N/A	134	N/A	114
Peak Gain (dB)	70	76	68	73
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	73	N/A	61
<b>Frequency Range (Hz)</b>	<b>&lt;100-7600</b>	<b>&lt;100-7600</b>	<b>&lt;100-4600</b>	<b>&lt;100-6800</b>
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	45	59	35	39
Equivalent Input Noise (dB)	24	18	29	29
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

### Earhook

### Thin Tube (Size 3, Occluded)

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	91	N/A
MASL (IEC) (dB SPL)	92	N/A	88	N/A
ANSI/IEC Battery Current (mA)	1.9***	1.8***	1.9***	1.8***
Idle Current (mA)	1.7***	1.7***	1.7***	1.7***
<b>Estimated Battery Life for 16-Hour Day</b>				
312 Zinc Air (days)	7-11***	7-11***	7-11***	7-11***
<b>Tinnitus Therapy Stimulus</b>				
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.

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

# CROS System

RIC R, RIC 312 & BTE 13



Livio Edge AI 2400  
Livio AI 2000 | 1600 | 1200  
Livio 2400 | 2000 | 1600 | 1200

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

Model	Battery size	IEC code	ANSI code
Livio Edge AI/Livio AI/Livio RIC R CROS	N/A	N/A	N/A
Livio Edge AI/Livio AI/Livio RIC 312 CROS	312	PR41	7002ZD
Livio Edge AI/Livio AI/Livio BTE 13 CROS	13	PR48	7002ZD

## 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:  
EOA-24LIVIOR312

RIC R FCC ID:  
EOA-24LIVIORCHG

BTE 13 FCC ID:  
EOA-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:

Meets IEC 60601-2-66 safety standard and IEC 60601-1-2 EMC standard.



livioEdge<sup>AI</sup>

livio<sup>AI</sup>

livio

## Accessories provide universal Bluetooth<sup>®</sup> 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.

82



### 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.

**NEW**



### 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.

83

# Picasso Muse iQ



84

## 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.



85



# 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

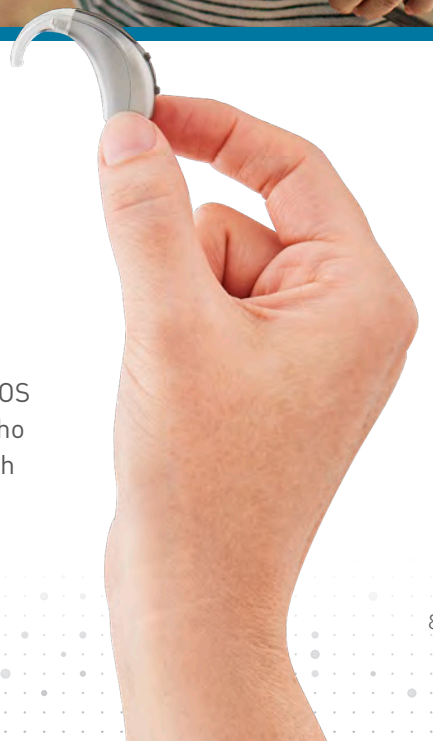




## The technology to fit more patients



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**.



# Picasso

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# Muse iQ

Feature	Premium i2400	Advanced i2000	Select i1600	Low i1200	Basic i1000
Platform:	Synergy	Synergy	Synergy	Synergy	Synergy
Sound Imaging: Channels   Bands	24	20	16	12	10
Acuity Speech Optimization:	●	●	●		
Music Optimization:					
Music Adaptation	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Music Adaptation	●	●	●		

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



Feature	Premium i2400	Advanced i2000	Select i1600	Low i1200	Basic i1000
Ear-to-Ear Technology: Acuity Binaural Imaging					
E2E Wind Noise Management	●	●	●		
E2E Machine Noise Adaptation	●	●	●		
E2E Directionality	●	●	●		
E2E Phone Streaming*	●	●	●		
Environment Manager: Acuity Lifescape Analyzer					
Auto Music	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Quiet	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Machine Noise	Up to 20 dB of reduction	Up to 10 dB of reduction	Up to 5 dB of reduction	Up to 5 dB of reduction	Up to 5 dB of reduction
Speech in Noise	Up to 20 dB of reduction	Up to 8 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction
Wind	Up to 30 dB of reduction	Up to 15 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction

Feature	Premium i2400	Advanced i2000	Select i1600	Low i1200	Basic i1000
Directional Processing:					
Omni	●	●	●	●	●
Adaptive	●	●	●	●	
Dynamic	●	●	●	●	●
Directional	●	●	●	●	●
Feedback Management	●	●	●	●	●
Frequency Lowering	●	●	●	●	●
Tinnitus Technology	●	●	●	●	●
CROS System**	●	●	●	●	●
Telecoil	●	●	●	●	●
SurfLink Accessory Compatibility	●	●	●	●	●

\*Available for products with two microphones only.

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

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



# CIC

## COMPLETELY-IN-CANAL

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

### Color Guide

#### Faceplate Colors



#### Shell Colors



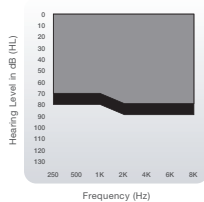
### Patient Features

- Tinnitus Technology
- Wireless Connectivity\*

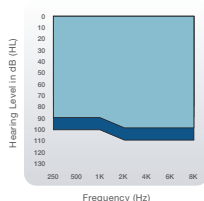
### Accessories\*

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

### Fitting Range



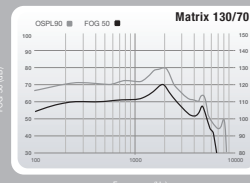
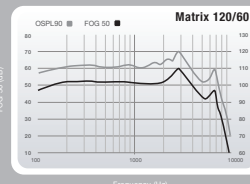
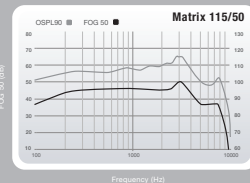
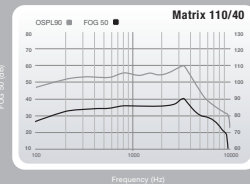
- Picasso CIC 40
- Picasso CIC 50



- Picasso CIC 60
- Picasso CIC 70

▶ Matrices: 110/40, 115/50, 120/60, 130/70

▶ Battery Size: 312, 10



### CIC Gain Data

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
<b>Frequency Range (Hz)</b>	<b>&lt;100-9400</b>	<b>&lt;100-9700</b>
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
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
ANSI/IEC Battery Current (mA)	1.2-1.5**	1.2-1.5**
Idle Current (mA)	1.2-1.3**	1.2-1.3**

### CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>		
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A
MASL (IEC) (dB SPL)	N/A	N/A
<b>Estimated Battery Life for 16-Hour Day</b>		
312 Zinc Air (days)	7-10**	7-10**
10 Zinc Air (days)	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

\*Available with wireless products only.  
\*\*Results will vary based on wireless usage.



# CIC

COMPLETELY-IN-CANAL

Picasso i1200 | i1000  
Picasso 1200 | 1000

## Color Guide



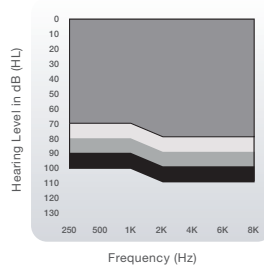
## Patient Features

- Tinnitus Technology
- Wireless Connectivity\*

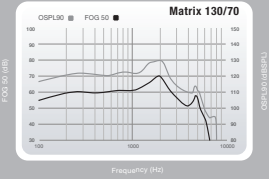
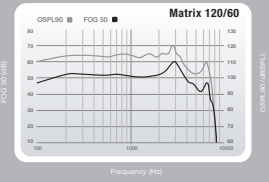
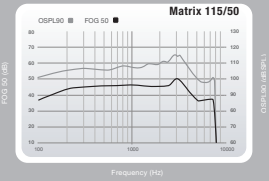
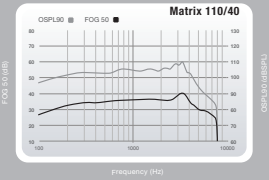
## Accessories\*

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

## Fitting Range



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



## CIC Gain Data

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
<b>Frequency Range (Hz)</b>	<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
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

## CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>		
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A
MASL (IEC) (dB SPL)	N/A	N/A
ANSI/IEC Battery Current (mA)	1.2-1.5**	1.2-1.5**
Idle Current (mA)	1.2-1.3**	1.2-1.3**
<b>Estimated Battery Life for 16-Hour Day</b>		
312 Zinc Air (days)	7-10**	7-10**
10 Zinc Air (days)	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>		
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



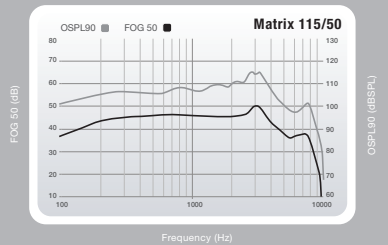
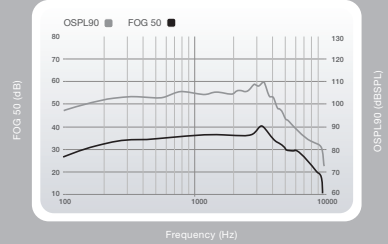
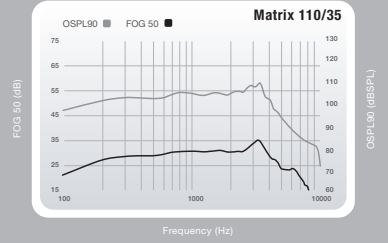
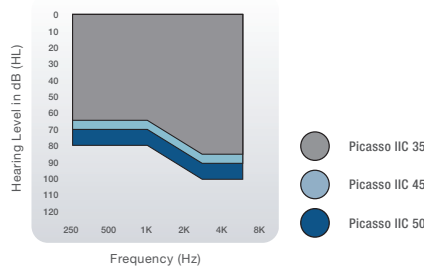
### Patient Features

- Tinnitus Technology
- Wireless Connectivity\*

### Accessories\*

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

### Fitting Range



### IIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-115	120-125
HFA OSPL90 (dB SPL)	106-109	N/A
RTF OSPL90 (dB SPL)	N/A	110-114
Peak Gain (dB)	35-50	45-61
HFA Full-On Gain (dB)	30-46	N/A
RTF Full-On Gain (dB)	N/A	39-46
<b>Frequency Range (Hz)</b>	<b>&lt;100-9400</b>	<b>&lt;100-9700</b>
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-32	32-37
Equivalent Input Noise (dB)	<25	<25
<b>Harmonic Distortion</b>		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

### IIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>		
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A
MASL (IEC) (dB SPL)	N/A	N/A
ANSI/IEC Battery Current (mA)	1.2-1.5**	1.2-1.4**
Idle Current (mA)	1.2**	1.2**
<b>Estimated Battery Life for 16-Hour Day</b>		
10 Zinc Air (days)	4-7**	4-7**
<b>Tinnitus Therapy Stimulus</b>		
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



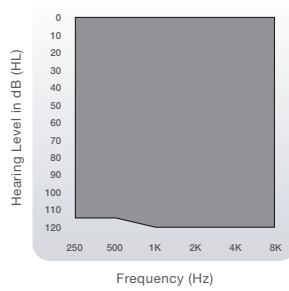
### Patient Features

- Tinnitus Technology
- CROS System
- Telecoil
- IP Rating 68

### Accessories

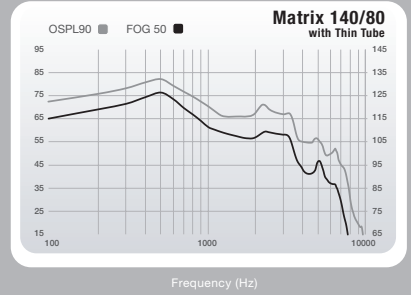
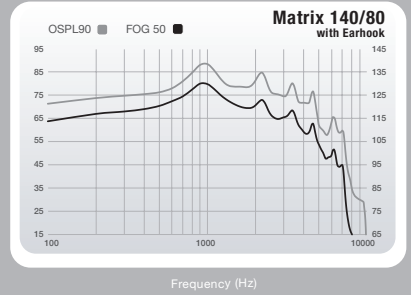
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

### Fitting Range



▶ Matrices: 140/80

▶ Battery Size: 13



### Measurement

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	140	142	132	136
HFA OSPL90 (dB SPL)	131	N/A	118	N/A
RTF OSPL90 (dB SPL)	N/A	136	N/A	125
Peak Gain (dB)	80	84	76	82
HFA Full-On Gain (dB)	72	N/A	59	N/A
RTF Full-On Gain (dB)	N/A	78	N/A	69
<b>Frequency Range (Hz)</b>	<b>&lt;100-5100</b>	<b>&lt;100-6400</b>	<b>&lt;100-5700</b>	<b>&lt;100-7000</b>
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	54	61	41	50
Equivalent Input Noise (dB)	23	23	23	23
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

### Measurement

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	112	N/A	99	N/A
MASL (IEC) (dB SPL)	98	N/A	87	N/A
ANSI/IEC Battery Current (mA)	2.5*	1.8*	2.5*	1.8*
Idle Current (mA)	1.5*	1.5*	1.5*	1.5*
<b>Estimated Battery Life for 16-Hour Day</b>				
312 Zinc Air (days)	7-11*	7-11*	7-10*	7-10*
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Results will vary based on wireless usage.



# POWER PLUS BTE 13

## BEHIND-THE-EAR

Muse iQ i1200 | i1000

### Color Guide



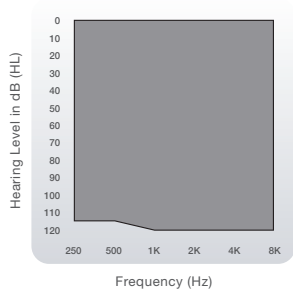
### Patient Features

- Tinnitus Technology
- Telecoil
- IP Rating 68

### Accessories

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

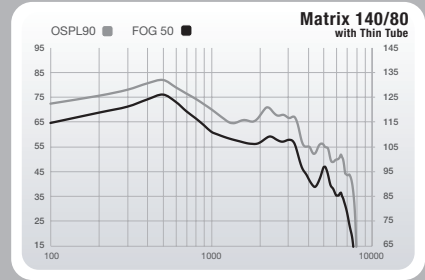
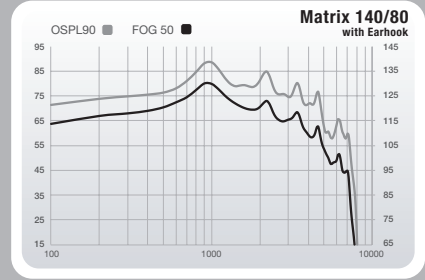
### Fitting Range



Power Plus BTE 13

▶ Matrices: 140/80

▶ Battery Size: 13



100

### Earhook

### Thin Tube (Size 3, Occluded)

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	140	142	132	136
HFA OSPL90 (dB SPL)	131	N/A	118	N/A
RTF OSPL90 (dB SPL)	N/A	136	N/A	125
Peak Gain (dB)	80	84	76	82
HFA Full-On Gain (dB)	72	N/A	59	N/A
RTF Full-On Gain (dB)	N/A	78	N/A	69
<b>Frequency Range (Hz)</b>	<b>&lt;100-5100</b>	<b>&lt;100-6400</b>	<b>&lt;100-5700</b>	<b>&lt;100-7000</b>
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	54	61	41	50
Equivalent Input Noise (dB)	23	23	23	23
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

### Earhook

### Thin Tube (Size 3, Occluded)

Measurement	Earhook		Thin Tube (Size 3, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	112	N/A	99	N/A
MASL (IEC) (dB SPL)	98	N/A	87	N/A
ANSI/IEC Battery Current (mA)	2.5*	1.8*	2.5*	1.8*
Idle Current (mA)	1.5*	1.5*	1.5*	1.5*
<b>Estimated Battery Life for 16-Hour Day</b>				
312 Zinc Air (days)	7-10*	7-10*	7-10*	7-10*
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

\*Results will vary based on wireless usage.

# CROS System

POWER PLUS BTE 13



Muse iQ i2400 | i2000 | i1600

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

Model	Battery size	IEC code	ANSI code
Muse iQ Power Plus BTE 13 CROS	13	PR48	7000ZD

## Audio Information

Audio Quality: 20 kHz sampling frequency

102



## 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	Canada
FCC ID: EOA-EXPSTANDARD	IC: 6903A-EXPSTANDARD
Power Plus BTE 13 FCC ID: EOA-MUSEPOWER13	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:

Meets IEC 60601-2-66 safety standard and IEC 60601-1-2 EMC standard.

103



## 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.



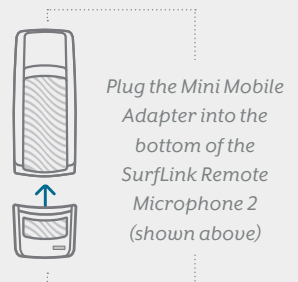
### SurfLink Remote Microphone 2

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.



# Earmolds

## Earmold and Earplug Options

Lucite	Digital SLS	Ultraflex	High Strength Silicone 60	High Strength Silicone 40	Floatable Silicone
Acrylic	Acrylic	Vinyl	Silicone	Silicone	Silicone
Hand Poured	Digital	Hand Poured	Digital	Digital	Digital
90 shore	90 shore	50 shore	60 shore	40 shore	25 shore

**The higher the shore value, the harder the material.**

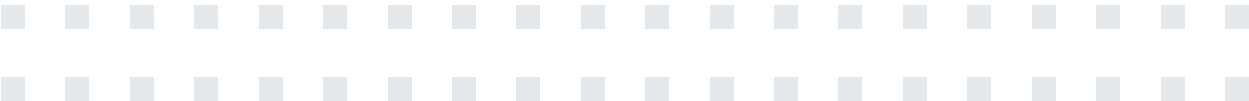
**MOST RIGID** ← Lucite    Digital SLS    Ultraflex    High strength silicone 60    High strength silicone 40    Floatable silicone → **SOFTTEST**

BTE and Thin Tube molds; not RIC molds	RIC, BTE, and Thin Tube molds	Specialty molds, Silicone allergies	Earmolds, specialty molds, plugs	Earmolds, specialty molds, plugs	Swim plugs
Twirl - 3 colors Glitter	One color	Only option is frosty clear	Twirl - 3 colors, Glitter	Twirl - 3 colors, Glitter	Twirl - 3 colors, Glitter only on Rose Transparent

**High Strength  
Silicone 40**

	Clear	Rose transparent	Light brown	Brown	Red	Blue	Green	Yellow	White	Purple	Pink	Orange	Light blue	Light pink	Light purple	Champagne	Onyx	Slate	Sterling
Clear		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rose transparent	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Light brown	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Brown	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
Green	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
Yellow	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
Purple	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Pink	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•
Orange	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•
Light blue	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•
Light pink	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•
Light purple	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•
Champagne	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
Onyx	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•
Slate	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•
Sterling	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

**Glitter Colors**
































**Custom RIC Earmolds**

Hard Material Styles DIGITAL SLS/LUCITE				Soft Material Styles HIGH STRENGTH SILICONE			
AP EMBEDDED	RIC SOLID CANAL	RIC CANAL	RIC CANAL LOCK	RIC CANAL	RIC HOLLOW CANAL	RIC CANAL LOCK	RIC HALF SHELL
RIC HALF SHELL	RIC 3/4 SHELL	RIC SHELL	RIC 3/4 SKELETON	RIC 3/4 SHELL	RIC SHELL	RIC 3/4 SKELETON	RIC SKELETON
RIC SKELETON	RIC HELIX			RIC HELIX	RIC OCCLUDED HELIX		

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR



# Custom Thin Tube Earmolds

Hard Material Styles DIGITAL SLS/LUCITE					Soft Material Styles HIGH STRENGTH SILICONE				
									
CIC	CANAL	HOLLOW CANAL	CANAL LOCK	HOLLOW CANAL LOCK	CIC	CANAL	CANAL LOCK	HOLLOW CANAL	HALF SHELL
									
HALF SHELL	3/4 SHELL	SHELL	3/4 SKELETON	SKELETON	3/4 SHELL	SHELL	3/4 SKELETON	SKELETON	DIRECT TUBE
									
HOLLOW SKELETON	DIRECT TUBE	JANSSEN MOLD	NON-OCCLUDING TYPE A MOLD	NON-OCCLUDING TYPE B MOLD	NON-OCCLUDING TYPE G MOLD	HELIX THIN TUBE			
									
NON-OCCLUDING TYPE G MOLD	NON-OCCLUDING TYPE J MOLD								

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR



























## Stock Solutions

				
<b>STOCK RIC MOLD</b> Extra Small Small Standard	<b>STOCK HELIX RIC MOLD</b> Standard	<b>OPEN COMFORT BUD</b> 5mm, 6mm, 7mm, 9mm, 11mm	<b>OCCLUDED COMFORT BUD</b> 5mm, 6mm, 7mm, 9mm, 11mm	<b>POWER DOMES</b> 5mm, 6mm, 7mm, 9mm, 11mm
				
<b>STOCK HOLLOW SILICONE</b> Extra Small Small Standard	<b>STOCK THIN TUBE SOLUTION</b> Standard	<b>OPEN COMFORT BUD</b> 5mm, 6mm, 7mm, 9mm, 11mm	<b>OCCLUDED COMFORT BUD</b> 5mm, 6mm, 7mm, 9mm, 11mm	<b>POWER DOMES</b> 5mm, 6mm, 7mm, 9mm, 11mm

## RIC Receiver Options



# Custom BTE Earmolds

Hard Material Styles DIGITAL SLS/LUCITE					Soft Material Styles HIGH STRENGTH SILICONE				
									
CIC	CANAL	HOLLOW CANAL	CANAL LOCK	HALF SHELL	CIC	CANAL	CANAL LOCK	HALF SHELL	3/4 SHELL
									
3/4 SHELL	SHELL	3/4 SKELETON	SKELETON	DIRECT TUBE	SHELL	3/4 SKELETON	SKELETON	DIRECT TUBE	JANSSEN MOLD
									
JANSSEN MOLD	NON-OCCLUDING TYPE A MOLD	NON-OCCLUDING TYPE B MOLD	NON-OCCLUDING TYPE G MOLD	NON-OCCLUDING TYPE J MOLD	NON-OCCLUDING TYPE G MOLD				

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR



## Earmold Vent Size Chart

VENT NAME	APPROXIMATE SIZE
Pressure Vent	0.8mm
Small	1.2mm
Medium	1.8mm
Large	2.55mm
Select-A-Vent	3.37mm
Extra Large	As large as canal allows

VENT SIZE IS LIMITED BY EAR ANATOMY



# Prevent hearing damage with **SoundGear**

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.



**SOUNDGEAR**

POWERED BY Starkey



## 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.

118

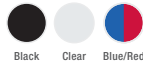
### Color Guide

#### Faceplate Colors



Black Light Brown

#### Shell Colors



Black Clear Blue/Red

### Platinum

Matrix: 95/30 | NRR: 24-26 dB

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

#### 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

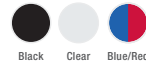
### Color Guide

#### Faceplate Colors



Black Light Brown

#### Shell Colors



Black Clear Blue/Red

### Silver

Matrix: 95/30 | NRR: 24-26 dB

- 1 Digital Listening Mode: (Normal)
- Helix Microphone
- Not Field Programmable

#### 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

119



# 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

120

(Passive)

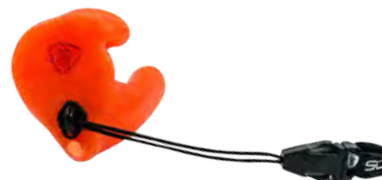
# Non-Electronic Custom

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 across 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

121

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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# Contact us

Customer Support:  
[\(800\) 328-8602](tel:8003288602)

For all Livio Edge AI product information:  
[StarkeyPro.com/Livio-AI](https://StarkeyPro.com/Livio-AI)

For additional Starkey resources:  
[StarkeyPro.com](https://StarkeyPro.com)

For Thrive Hearing Control app  
compatibility information:  
[starkey.com/thrivesupport](https://starkey.com/thrivesupport)

