

livioEdge^{AI}



Like nothing else. From no one else.

The industry's most **complete**
line of rechargeables



2020 Artificial Intelligence
Breakthrough Award Winner

What's New



2.4 GHz Rechargeable BTE

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

REM Target Match

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

Live Sessions

Leverages live video chat to enable and improve remote care.

Find My Phone

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

IntelliVoice

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

Multiflex Tinnitus Pro

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

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

*Starkey Competitive Benchmarking Study 2019.

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The industry's **most complete** rechargeable lineup

Livio Edge AI 2400
Livio AI 2000 | 1600 | 1200

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

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

*Starkey Competitive Benchmarking Study 2019.

More options than ever before

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



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

Our Custom and Standard Chargers provide up to 24 hours of power in a single charge.

livioEdge^{AI}

The best just got better



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



Edge Mode

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



IntelliVoice **NEW**

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

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

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



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Perfect for face masks

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

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



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Custom rechargeables

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



Edge Mode* for masks

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



Mask Mode

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



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*Available for Livio Edge AI hearing aid wearers.



An unmatched fitting experience on every level

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

Live Sessions **NEW**

This synchronous Hearing Care Anywhere remote programming feature leverages live video chat to enable and improve remote care.

REM Target Match **NEW**

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

Multiflex Tinnitus Pro **NEW**

Uses a new shaping algorithm and custom-fit tool to deliver more personalized maskers for each patient's unique needs.

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Another Starkey First

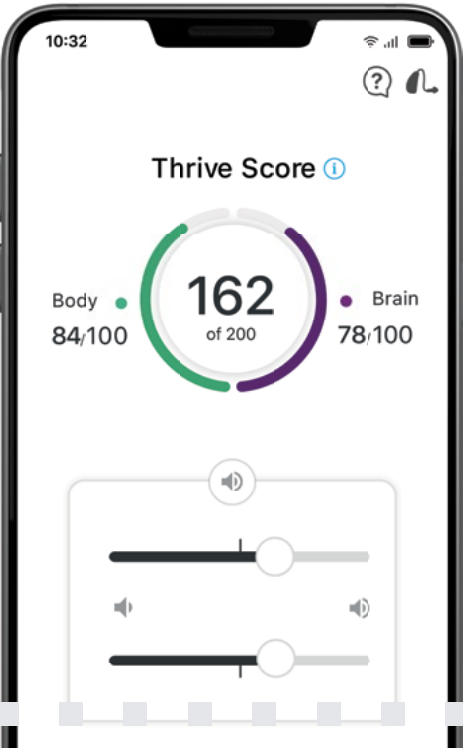


Find My Phone

Using their hearing aids and Thrive Assistant, wearers can now locate their lost or misplaced phone by having it ring. No other hearing aid offers this capability.

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Give patients more control



thrive

BETTER THAN EVER

Fully updated for improved usability and overall performance.

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



Mask Mode

New custom memory boosts speech audibility.



Fall Alert is now available in Basic Mode.

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thriveCare

PEACE OF MIND

Offer patients reassurance and independence.

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

*Exclusive to Livio Edge AI hearing aids.

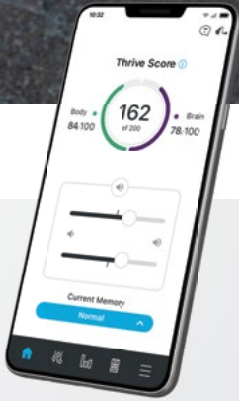
These apps may have slight differences depending on your phone and/or hearing aid model.

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Thrive Hearing Control App

Hearing Performance & Healthable Technology Features:

Available with **Livio Edge AI** products



Edge Mode

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



IntelliVoice **NEW**

This first-of-its-kind speech enhancement feature uses AI to provide an unprecedented experience for those with moderate loss of 50 dB HL or greater (available with Apple® devices).



Fall Alert

With integrated sensors, Fall Alert can detect falls and send alert messages to selected contacts.



Find My Phone **NEW**

Using hearing aids and Thrive Assistant, patients can now locate their lost or misplaced phone by having it ring. No other hearing aid offers this capability.



Language Translation

Easily communicate with people who speak other languages via the easy-to-use translation tool in the Thrive app (requires an internet connection).



Body and Brain Tracking

Sensors are integrated into the hearing aids so patients can track their activity and social engagement via the Thrive app.



Thrive Assistant

Use voice commands* to get answers to questions, set reminders and control hearing aids.



Auto On/Off

Senses when a hearing aid is taken off the ear and goes into low power mode, saving battery life.

The Thrive app offers features designed to enhance your patient's listening and life experiences.



Tap Control

With just a double tap, Livio Edge AI and Livio AI hearing aids can be set to activate Edge Mode, Thrive Assistant or Start/Stop Audio Stream from 2.4 GHz accessories. 14

Additional Technology Features:

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



Transcribe

It's like closed-captioning for real life. Conversations are transcribed so users can read what's being said.



Self Check

Allows users to perform a diagnostic test of their hearing aid components.



Thrive Assistant

Use voice commands* to get answers to questions, set reminders and control hearing aids.



Personalized Control

Make personalized, real-time adjustments.



Phone Calls

Answer calls and hear the conversation streamed directly to the hearing aids using compatible devices.



Remote Control

Patients can change volume and switch memories using their smartphone.



Mask Mode **NEW**

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



Personalized Memories

Create custom memories and geotag memories so adjustments occur automatically when the user returns to that location.



Auto Experience Manager

Automatically adjusts loudness over time to help transition the new hearing experience comfortably.



Siri Integration

Have Siri® read texts and emails directly to the users' hearing aids (available with Apple devices).



Find My Hearing Aids

Easily locate lost hearing aids.



Adaptive Car Mode

Hearing aids automatically change to reduce the annoying sounds of driving.



Reminders

Personalized or on-screen reminders for daily tasks such as taking medications.

*Voice-activated commands are exclusive to Livio Edge AI 2400, Livio AI 2000 and Livio AI 1600 hearing aids.

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 available across multiple technology tiers so more patients can benefit from the power of AI.

Livio hearing aids are a great option for patients looking for superior sound with easy to use, convenient features like Self Check and Reminders.

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

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	Livio Edge AI Premium 2400	Livio Premium 2400	Livio AI/Livio Advanced 2000	Livio AI/Livio Select 1600	Livio AI/Livio Basic 1200	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 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							IntelliVoice						
E2E Machine Noise Adaptation							Feedback Management						
E2E Directionality							Frequency Lowering						
E2E Phone Streaming**							Tinnitus Technology						
Sound Manager:							CROS System**						
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	Telecoil***						
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	2.4 GHz Accessory Compatibility						
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, BTE R, RIC R and BTE 13 styles only.

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ITE R

IN-THE-EAR RECHARGEABLE

Livio Edge AI 2400

► Matrices: 115/50, 120/60, 130/70

Color Guide

Faceplate Colors



Dark Brown



Chestnut



Medium Brown



Light Brown



Pink



Black

Shell Colors



Clear



Light Brown



Pink



Blue/Red



Black

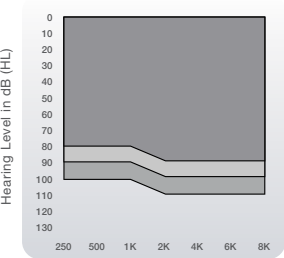
Patient Features

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

Accessories

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

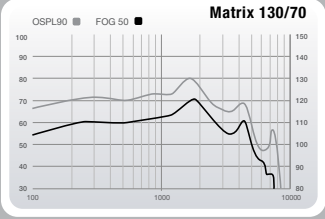
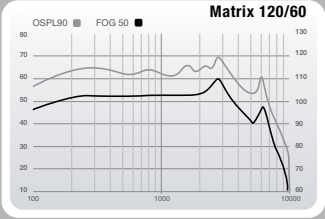
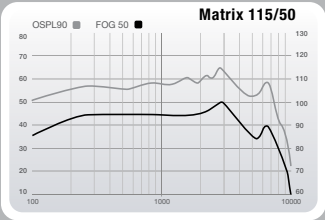
Fitting Range



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

Thrive Technology

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



ITE R Gain Data

Measurement

Peak OSPL90 (dB SPL)

115-130

126-139

HFA OSPL90 (dB SPL)

110-123

N/A

RTF OSPL90 (dB SPL)

N/A

119-139

Peak Gain (dB)

50-70

62-80

HFA Full-On Gain (dB)

45-64

N/A

RTF Full-On Gain (dB)

N/A

55-78

Frequency Range (Hz)

<100-8300

<100-9000

Reference Test Freq. (kHz)

N/A

1.6

HFA Frequencies (kHz)

1.0,1.6,2.5

N/A

Reference Test Gain (dB)

32-46

45-64

Equivalent Input Noise (dB)

<25

<25

Harmonic Distortion

500 Hz (%)

<3

<3

800 Hz (%)

<3

<3

1600 Hz (%)

<3

<3

ITE R Gain Data

Measurement

Induction Coil Sensitivity

HFA SPLITS (ANSI) (dB SPL)

95-108

N/A

MASL (IEC) (dB SPL)

78-96

N/A

Estimated Lithium-Ion Battery Life

Li-Ion Rechargeable Battery (hrs)

Up to 24 hours*

Tinnitus Therapy Stimulus

Max RMS Output (dB SPL)

87

Weighted RMS Output Level (dB SPL)

87

Max 1/3 Octave Output (dB SPL)

87

*Results will vary based on wireless usage.



HS R

HALF SHELL RECHARGEABLE

Livio Edge AI 2400

Color Guide

Faceplate Colors

Dark Brown

Chestnut

Medium Brown

Light Brown

Pink

Black

Shell Colors

Clear

Light Brown

Pink

Blue/Red

Black

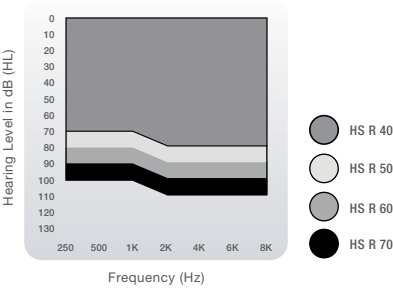
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories

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

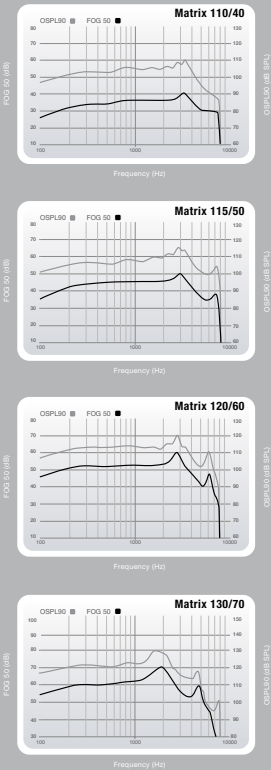
Fitting Range



Thrive Technology

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

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



HS R Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
Frequency Range (Hz)	<100-9600	<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
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

HS R Gain Data

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

*Results will vary based on wireless usage.

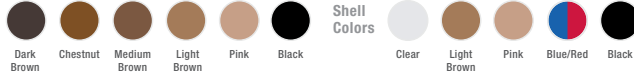


ITC R

IN-THE-CANAL RECHARGEABLE

Livio Edge AI 2400

Faceplate Colors



Shell Colors



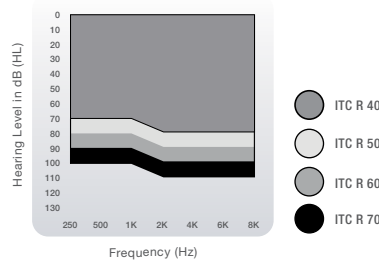
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories

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

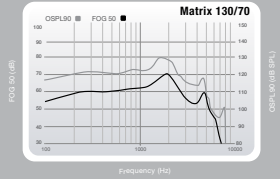
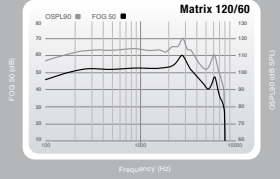
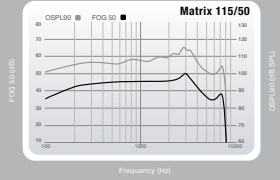
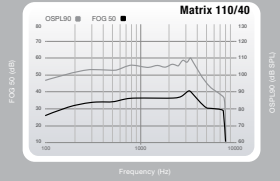
Fitting Range



Thrive Technology

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

► Matrices: 110/40, 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
Frequency Range (Hz)	<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
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITC R Gain Data

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

*Results will vary based on wireless usage.



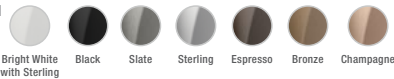
RIC R

RECEIVER-IN-CANAL RECHARGEABLE

Livio Edge AI 2400

Color Guide

Standard Colors



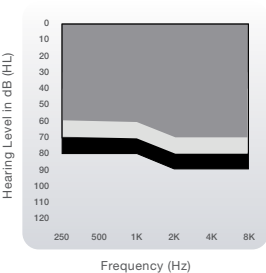
Patient Features

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

Accessories

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

Fitting Range

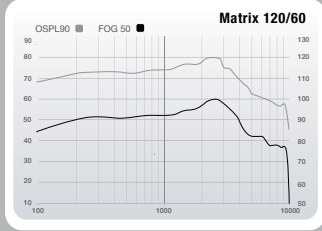
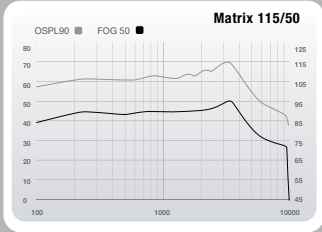
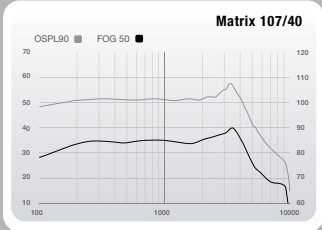


- RIC R 40
- RIC R 50
- RIC R 60

Thrive Technology

- Healthable hearing technology with embedded sensors and artificial intelligence
- 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	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
Induction Coil Sensitivity						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
Estimated Lithium-Ion Battery Life						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*		Up to 24 hours*		Up to 24 hours*	
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.



RIC R AP

RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Livio Edge AI 2400

Color Guide



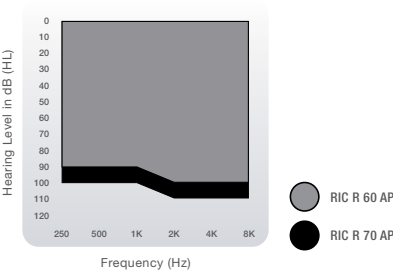
Patient Features

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

Accessories

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

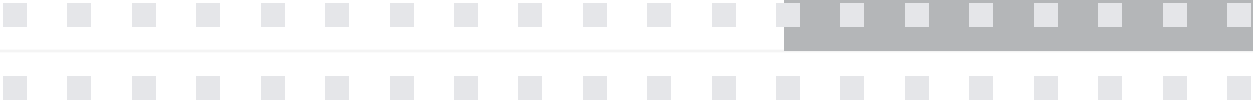
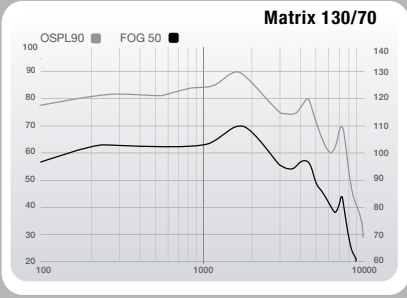
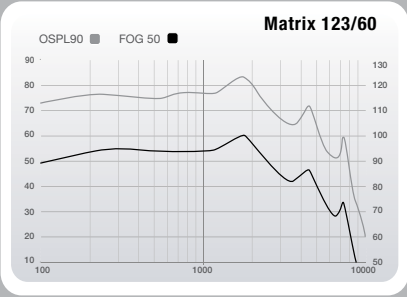
Fitting Range



Thrive Technology

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

▶ 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
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

	60 Gain Data		70 Gain Data	
Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
Estimated Lithium-Ion Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*		Up to 24 hours*	
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.



RIC 312

RECEIVER-IN-CANAL

Livio Edge AI 2400

Color Guide

Standard Colors



Bright White with Sterling



Black



Slate



Sterling



Espresso



Bronze



Champagne

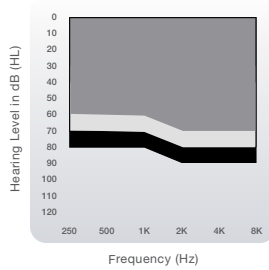
Patient Features

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

Accessories

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

Fitting Range

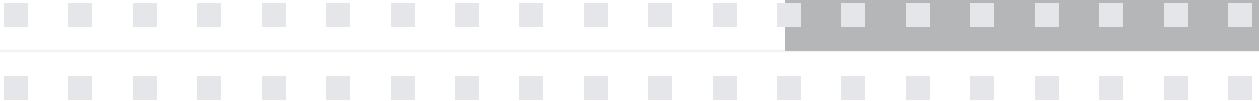
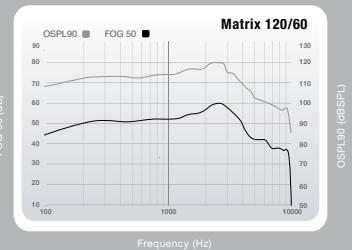
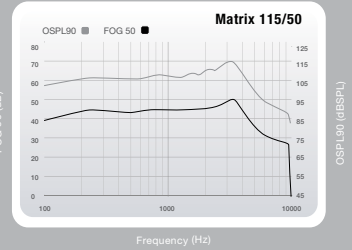
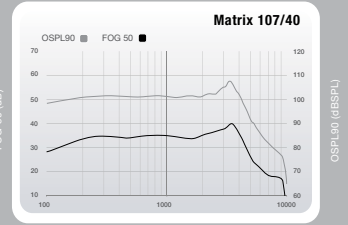


- RIC 312 40
- RIC 312 50
- RIC 312 60

Thrive Technology

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

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



	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	<100-6900	<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.



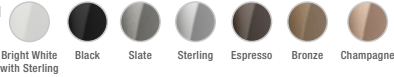
RIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Livio Edge AI 2400

Color Guide

Standard Colors



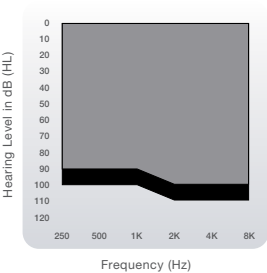
Patient Features

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

Accessories

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

Fitting Range



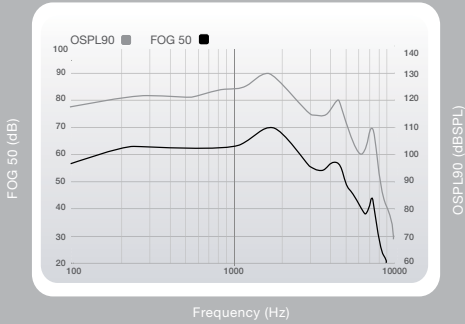
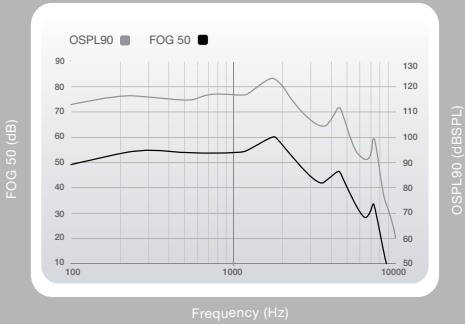
- RIC 312 60 AP
- RIC 312 70 AP

Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133
HFA OSPL90 (dB SPL)	117	N/A
RTF OSPL90 (dB SPL)	N/A	130
Peak Gain (dB)	60	70
HFA Full-On Gain (dB)	54	N/A
RTF Full-On Gain (dB)	N/A	66

Harmonic Distortion

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

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	140
HFA OSPL90 (dB SPL)	124	N/A
RTF OSPL90 (dB SPL)	N/A	139
Peak Gain (dB)	70	81
HFA Full-On Gain (dB)	65	N/A
RTF Full-On Gain (dB)	N/A	78

Harmonic Distortion

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

Measurement

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

*Results will vary based on wireless usage.



mRIC 312

RECEIVER-IN-CANAL

Livio Edge AI 2400

Color Guide

Standard Colors



Bright White with Sterling



Black



Slate



Sterling



Espresso



Bronze



Champagne

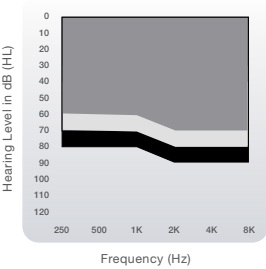
Patient Features

- Tinnitus Technology
- Wireless Connectivity

Accessories

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

Fitting Range



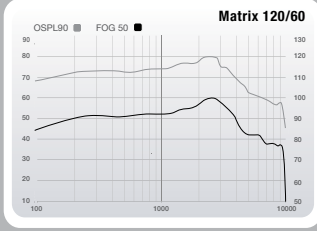
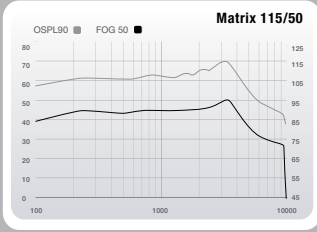
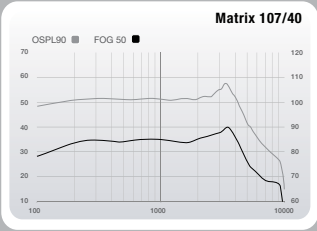
- mRIC 312 40
- mRIC 312 50
- mRIC 312 60

Thrive Technology

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

▶ Matrices: 107/40, 115/50, 120/60

▶ Battery Size: 312



	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.



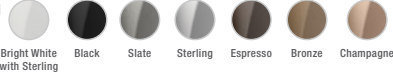
mRIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Livio Edge AI 2400

Color Guide

Standard Colors



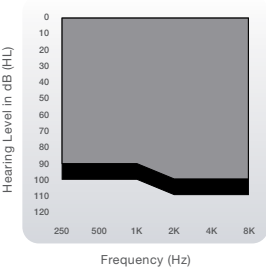
Patient Features

- Tinnitus Technology
- Wireless Connectivity

Accessories

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

Fitting Range

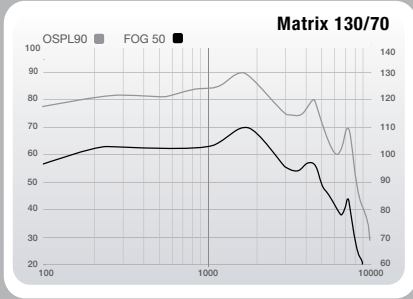
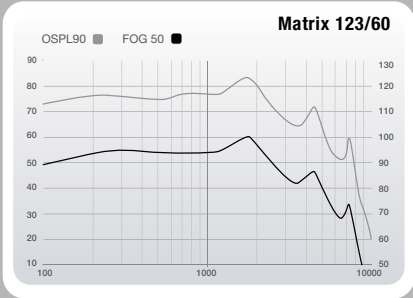


Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133
HFA OSPL90 (dB SPL)	117	N/A
RTF OSPL90 (dB SPL)	N/A	130
Peak Gain (dB)	60	70
HFA Full-On Gain (dB)	54	N/A
RTF Full-On Gain (dB)	N/A	66

Harmonic Distortion

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

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	140
HFA OSPL90 (dB SPL)	124	N/A
RTF OSPL90 (dB SPL)	N/A	139
Peak Gain (dB)	70	81
HFA Full-On Gain (dB)	65	N/A
RTF Full-On Gain (dB)	N/A	78

Harmonic Distortion

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

Measurement

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

*Results will vary based on wireless usage.



BTE R

BEHIND-THE-EAR RECHARGEABLE

Livio Edge AI 2400

Color Guide



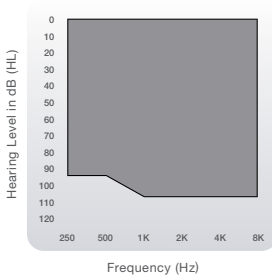
Patient Features

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

Accessories

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

Fitting Range

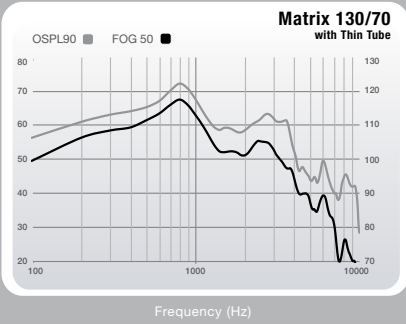
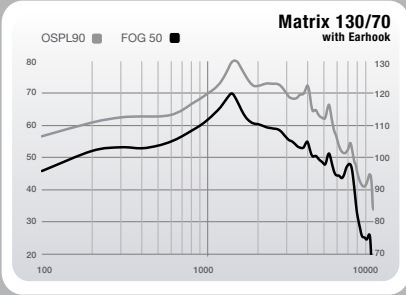


Thrive Technology

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

▶ Matrix: 130/70

▶ Battery Size: Encased 312



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	135	123	126
HFA OSPL90 (dB SPL)	124	N/A	113	N/A
RTF OSPL90 (dB SPL)	N/A	135	N/A	118
Peak Gain (dB)	70	75	68	72
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	75	N/A	62
Frequency Range (Hz)	<100-7600	<100-7600	<100-5000	<100-6900
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)	47	60	36	43
Equivalent Input Noise (dB)	24	18	29	29
Harmonic Distortion				
500 Hz (%)	<5	<5	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<1	<1	<1	<1

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	98	N/A	89	N/A
MASL (IEC) (dB SPL)	92	N/A	87	N/A
Estimated Lithium ION Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*		Up to 24 hours*	
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	92		92	
Weighted RMS Output Level (dB SPL)	92		92	
Max 1/3 Octave Output (dB SPL)	92		92	

*Results will vary based on wireless usage.



BTE 13

BEHIND-THE-EAR

Livio Edge AI 2400

Color Guide

Standard Colors



Bright White with Sterling



Black



Slate



Sterling



Espresso



Bronze



Champagne

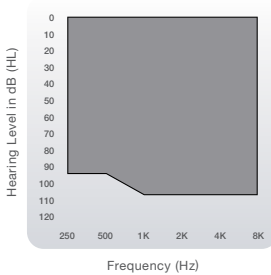
Patient Features

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

Accessories

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

Fitting Range



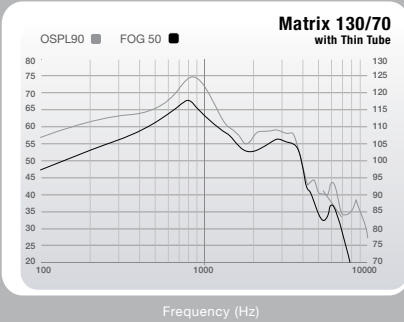
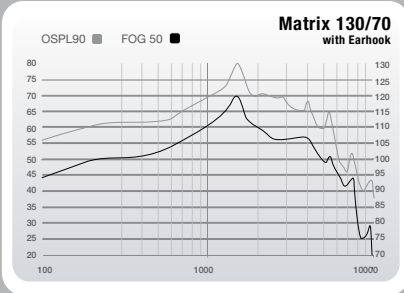
BTE 13 70

Thrive Technology

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

Matrix: 130/70

Battery Size: 13



Measurement

	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
Frequency Range (Hz)	<100-7600	<100-7800	<100-4600	<100-6800
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
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
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*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11*	7-11*	7-11*	7-11*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.



ITE R

IN-THE-EAR RECHARGEABLE

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide

Faceplate Colors

Dark Brown

Chestnut

Medium Brown

Light Brown

Pink

Black

Shell Colors

Clear

Light Brown

Pink

Blue/Red

Black

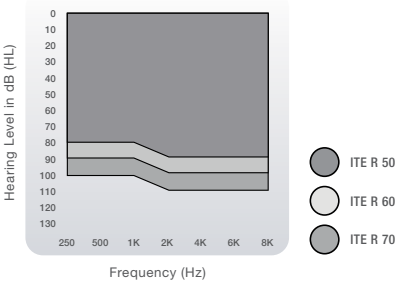
Patient Features

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

Accessories

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

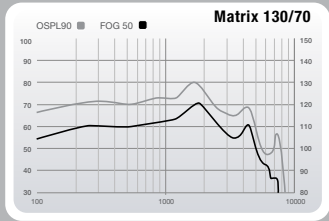
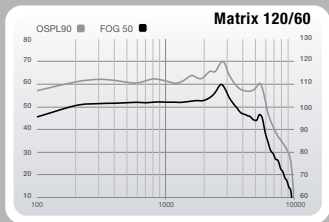
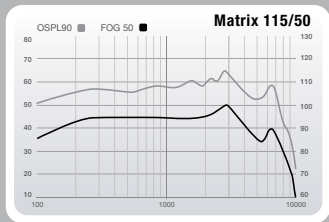
Fitting Range



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
Frequency Range (Hz)	<100-8300	<100-9000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	32-46	45-64
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITE R Gain Data

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

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



ITE R

IN-THE-EAR RECHARGEABLE

Livio AI 1200
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

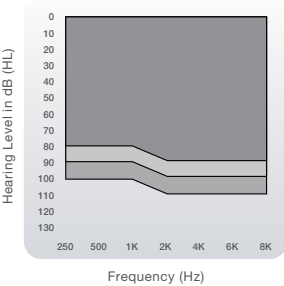
Patient Features

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

Accessories

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

Fitting Range

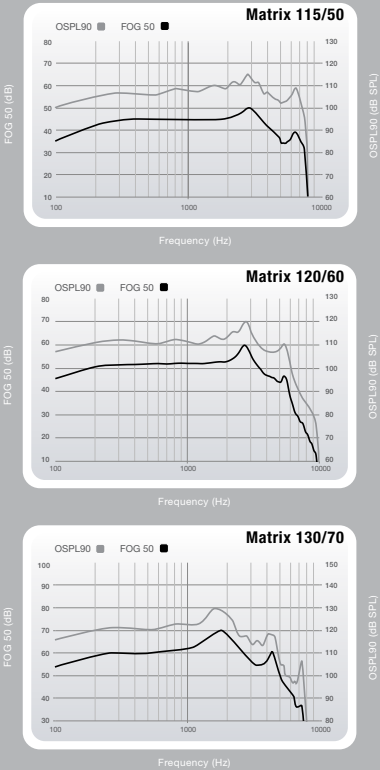


- ITE R 50
- ITE R 60
- ITE R 70

Thrive Technology

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

▶ 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
Frequency Range (Hz)	<100-7800	<100-7800
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	32-46	45-64
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITE R Gain Data

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

*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

Faceplate Colors

Dark Brown

Chestnut

Medium Brown

Light Brown

Pink

Black

Shell Colors

Clear

Light Brown

Pink

Blue/Red

Black

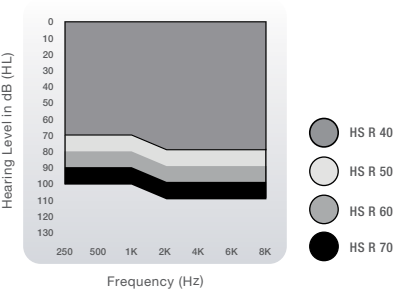
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories

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

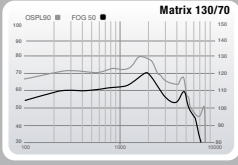
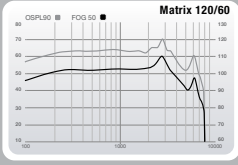
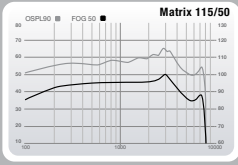
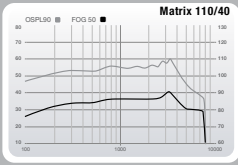
Fitting Range



Thrive Technology

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

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



HS R Gain Data

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	121-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	115-139
Peak Gain (dB)	40-70	53-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	46-78
Frequency Range (Hz)	<100-9600	<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
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

HS R Gain Data

Measurement

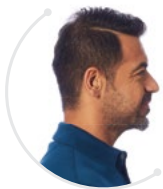
Estimated Lithium-Ion Battery Life

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

Tinnitus Therapy Stimulus

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

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



HS R

HALF SHELL RECHARGEABLE

Livio AI 1200
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

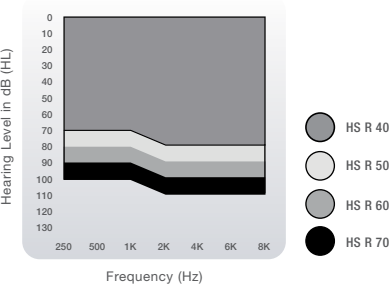
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories

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

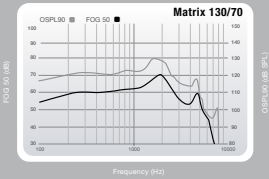
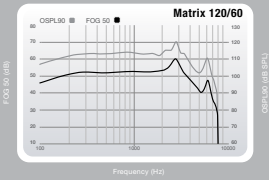
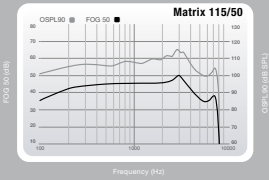
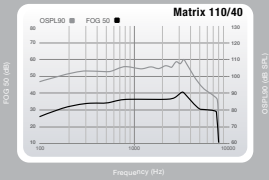
Fitting Range



Thrive Technology

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

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



HS R Gain Data

Measurement

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

HS R Gain Data

Measurement

Estimated Lithium-Ion Battery Life

Li-Ion Rechargeable Battery (hrs)

Up to 24 hours***

Tinnitus Therapy Stimulus

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

*Available on Livio AI only.

**The highest matrix of 130/70 is not offered on 1000 technology tier.

***Results will vary based on wireless usage.



ITC R

IN-THE-CANAL RECHARGEABLE

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide

Faceplate Colors

Dark Brown

Chestnut

Medium Brown

Light Brown

Pink

Black

Shell Colors

Clear

Light Brown

Pink

Blue/Red

Black

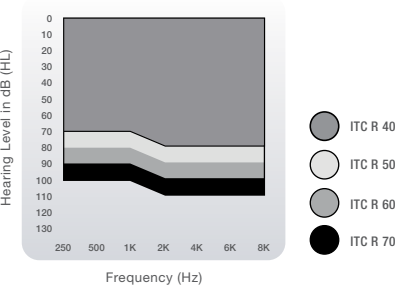
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories

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

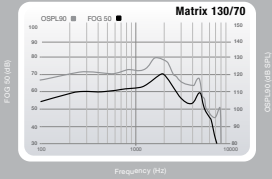
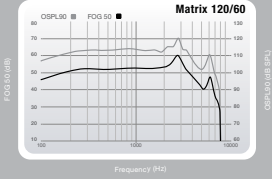
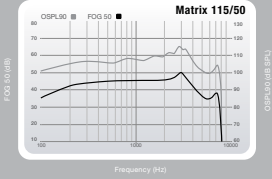
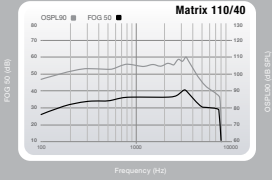
Fitting Range



Thrive Technology

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

▶ 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
Frequency Range (Hz)	<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
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITC R Gain Data

Measurement

Estimated Lithium-Ion Battery Life

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

Tinnitus Therapy Stimulus

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

*Available on Livio AI only.

**Results will vary based on wireless usage.



ITC R

IN-THE-CANAL RECHARGEABLE

Livio AI 1200
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

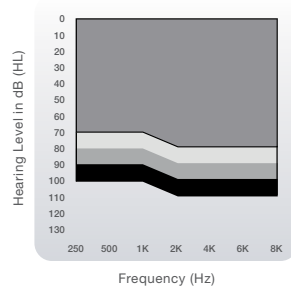
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- Lithium-Ion Rechargeable

Accessories

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

Fitting Range

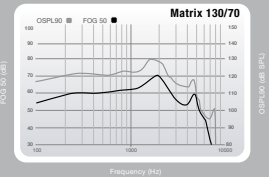
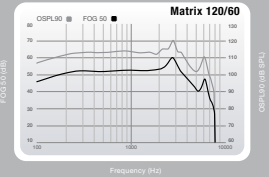
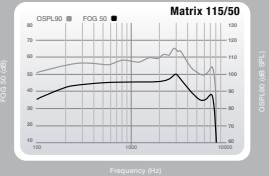
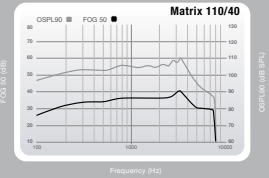


- ITC R 40
- ITC R 50
- ITC R 60
- ITC R 70

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
Frequency Range (Hz)	<100-7900	<100-8000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	28-47	39-64
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITC R Gain Data

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

*Available on Livio AI only.

**The highest matrix of 130/70 is not offered on 1000 technology tier.

***Results will vary based on wireless usage.



RIC R

RECEIVER-IN-CANAL RECHARGEABLE

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide

Standard Colors

Bright White with Sterling

Black

Slate

Sterling

Espresso

Bronze

Champagne

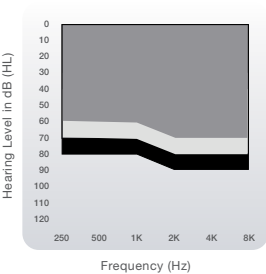
Patient Features

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

Accessories

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

Fitting Range

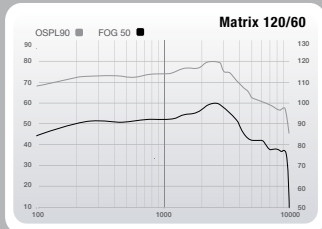
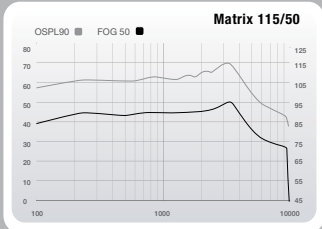
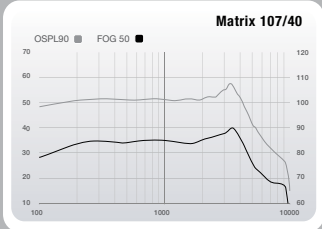


- RIC R 40
- RIC R 50
- RIC R 60

Thrive Technology

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

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



	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		<100-9600		<100-9200	
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
Induction Coil Sensitivity						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
Estimated Lithium-Ion Battery Life						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**		Up to 24 hours**		Up to 24 hours**	
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

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



RIC R

RECEIVER-IN-CANAL RECHARGEABLE

Livio AI 1200
Livio 1200 | 1000

Color Guide

Standard Colors



Bright White with Sterling



Black



Slate



Sterling



Espresso



Bronze



Champagne

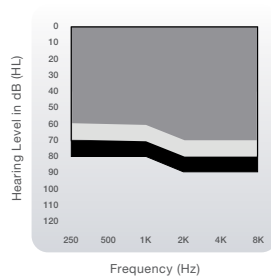
Patient Features

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

Accessories

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

Fitting Range



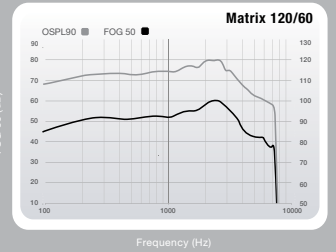
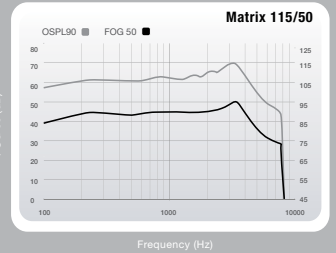
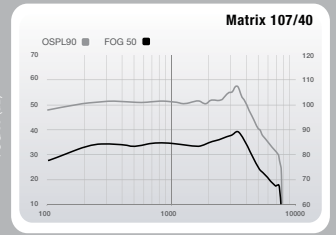
- RIC R 40
- RIC R 50
- RIC R 60

Thrive Technology

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

► Matrices: 107/40, 115/50, 120/60

► Battery Size: Encased 312 120/60



	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)	<100-7700	<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
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
Induction Coil Sensitivity						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
Estimated Lithium-Ion Battery Life						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***		Up to 24 hours***		Up to 24 hours***	
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*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



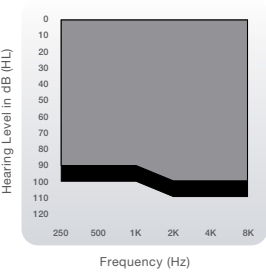
Patient Features

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

Accessories

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

Fitting Range

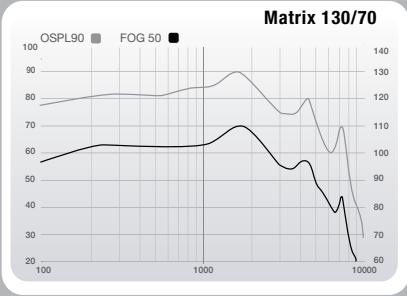
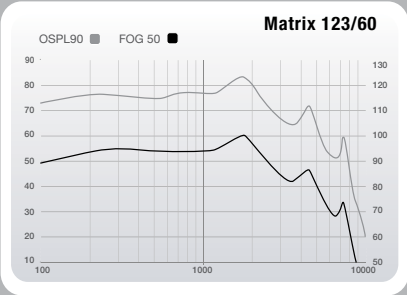


- RIC R 60 AP
- RIC R 70 AP

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

60 Gain Data			70 Gain Data	
Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
Estimated Lithium-Ion Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**		Up to 24 hours**	
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

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



RIC R AP

RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Livio AI 1200
Livio 1200 | 1000

Color Guide



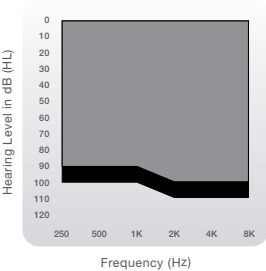
Patient Features

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

Accessories

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

Fitting Range

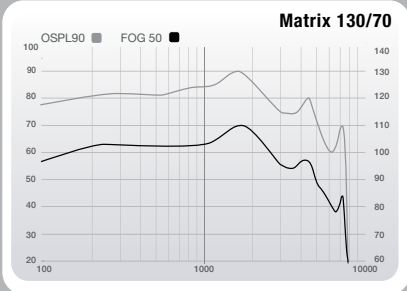
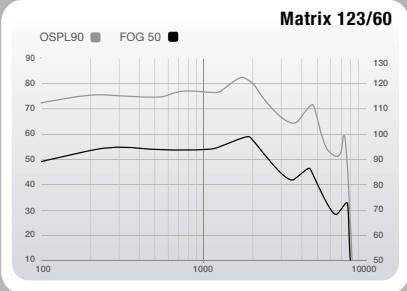


- RIC R 60 AP
- RIC R 70 AP

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
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

	60 Gain Data		70 Gain Data	
Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
Estimated Lithium-Ion Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours***		Up to 24 hours***	
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Available on 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



Bright White with Sterling



Black



Slate



Sterling



Espresso



Bronze



Champagne

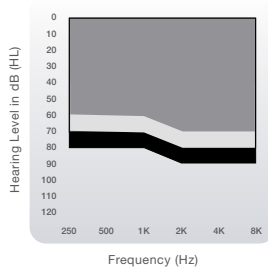
Patient Features

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

Accessories

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

Fitting Range



RIC 312 40

RIC 312 50

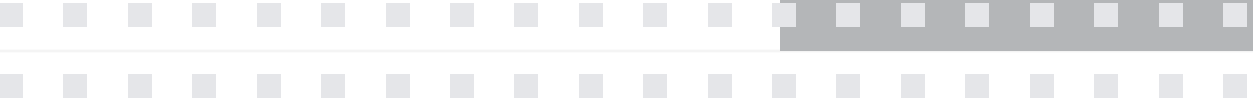
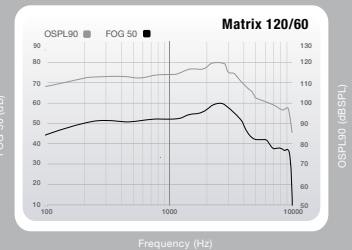
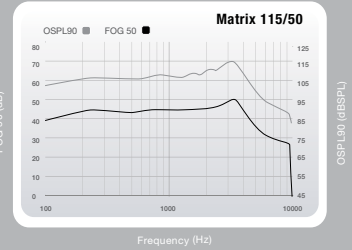
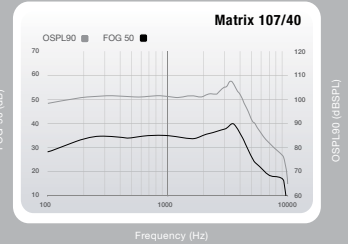
RIC 312 60

Thrive Technology

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

▶ Matrices: 107/40, 115/50, 120/60

▶ Battery Size: 312



	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	<100-6900	<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	

*Available on Livio AI only.

**Results will vary based on wireless usage.



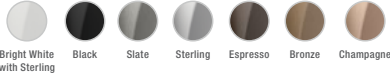
RIC 312

RECEIVER-IN-CANAL

Livio AI 1200
Livio 1200 | 1000

Color Guide

Standard Colors



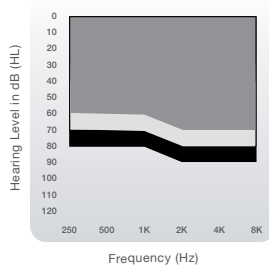
Patient Features

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

Accessories

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

Fitting Range

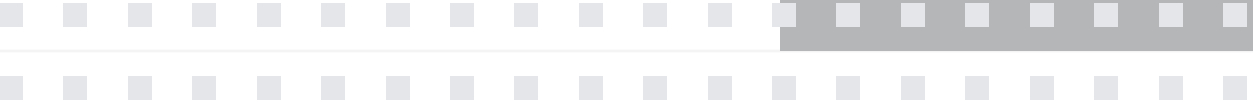
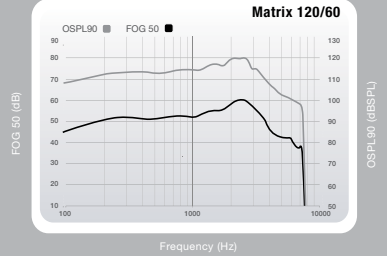
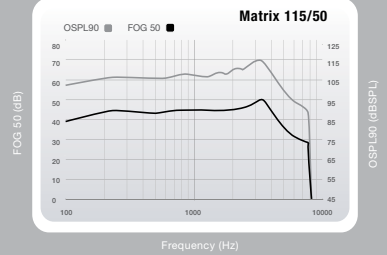
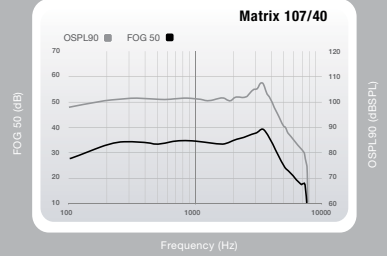


- RIC 312 40
- RIC 312 50
- RIC 312 60

Thrive Technology

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

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



	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)	<100-7700	<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						
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	

*Available on 1200 technology tier only.

**Available on Livio AI only.

***Results will vary based on wireless usage.



RIC 312 AP

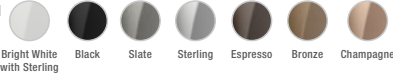
RECEIVER-IN-CANAL Absolute Power

Livio AI 2000 | 1600

Livio 2400 | 2000 | 1600

Color Guide

Standard Colors



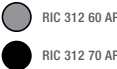
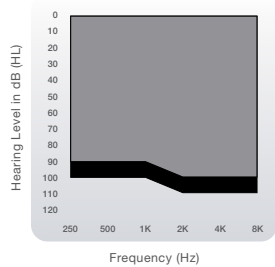
Patient Features

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

Accessories

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

Fitting Range

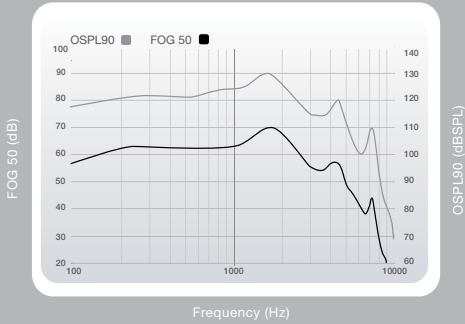
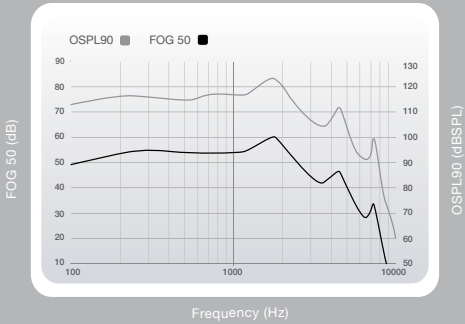


Thrive Technology

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

▶ Matrices: 123/60, 130/70

▶ Battery Size: 312



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133
HFA OSPL90 (dB SPL)	117	N/A
RTF OSPL90 (dB SPL)	N/A	130
Peak Gain (dB)	60	70
HFA Full-On Gain (dB)	54	N/A
RTF Full-On Gain (dB)	N/A	66

Harmonic Distortion

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

60 Gain Data

70 Gain Data

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	140
HFA OSPL90 (dB SPL)	124	N/A
RTF OSPL90 (dB SPL)	N/A	139
Peak Gain (dB)	70	81
HFA Full-On Gain (dB)	65	N/A
RTF Full-On Gain (dB)	N/A	78

Measurement

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

60 Gain Data

70 Gain Data

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	140
HFA OSPL90 (dB SPL)	124	N/A
RTF OSPL90 (dB SPL)	N/A	139
Peak Gain (dB)	70	81
HFA Full-On Gain (dB)	65	N/A
RTF Full-On Gain (dB)	N/A	78

*Available on Livio AI only.

**Results will vary based on wireless usage.



RIC 312 AP

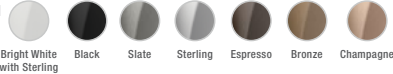
RECEIVER-IN-CANAL Absolute Power

Livio AI 1200

Livio 1200 | 1000

Color Guide

Standard Colors



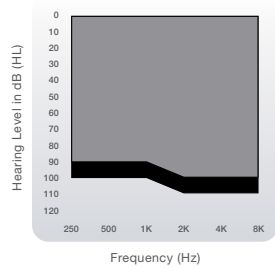
Patient Features

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

Accessories

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

Fitting Range

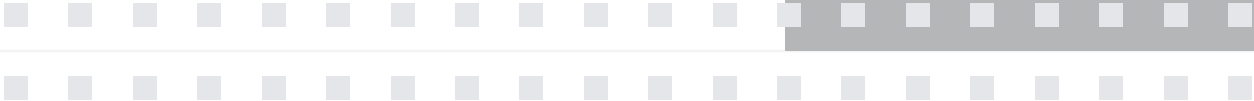
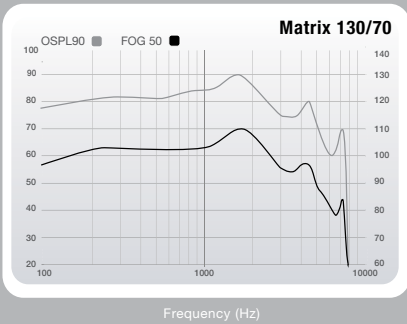
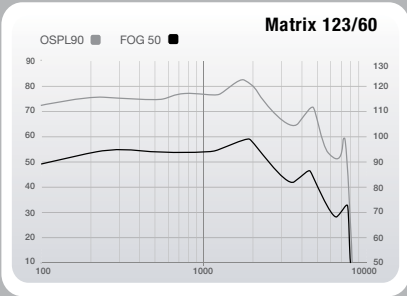


Thrive Technology

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

▶ 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
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	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***
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7***	4-7***	4-7***	4-7***
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

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



mRIC 312

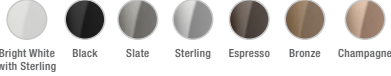
RECEIVER-IN-CANAL

Livio AI 2000 | 1600

Livio 2400 | 2000 | 1600

Color Guide

Standard Colors



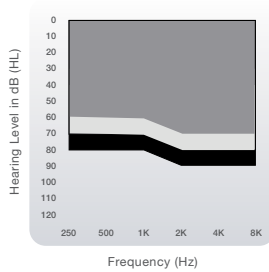
Patient Features

- Tinnitus Technology
- Wireless Connectivity

Accessories

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

Fitting Range



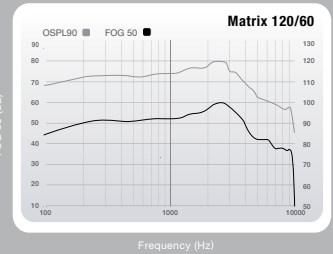
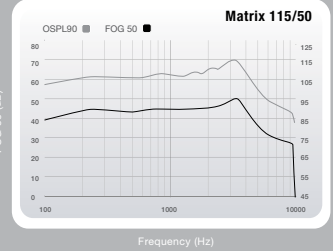
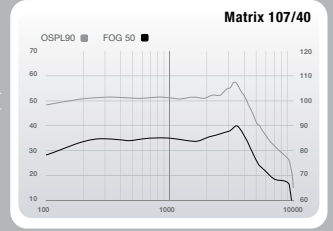
- mRIC 312 40
- mRIC 312 50
- mRIC 312 60

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		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	

*Available on Livio AI only.

**Results will vary based on wireless usage.



mRIC 312

RECEIVER-IN-CANAL

Livio AI 1200
Livio 1200 | 1000

Color Guide



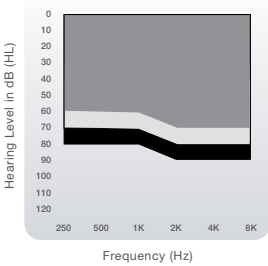
Patient Features

- Tinnitus Technology
- Wireless Connectivity

Accessories

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

Fitting Range

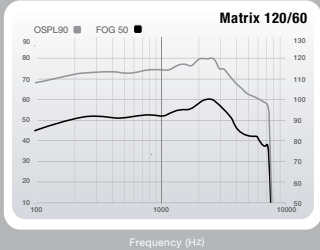
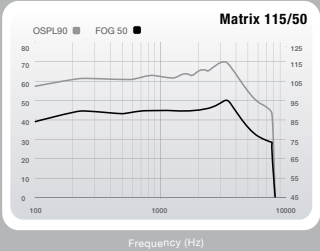
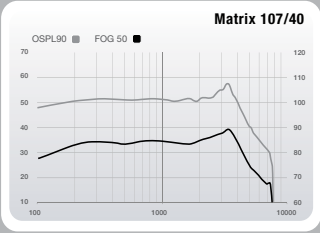


- mRIC 312 40
- mRIC 312 50
- mRIC 312 60

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		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)	<100-7700	<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
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	

*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



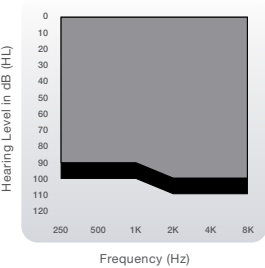
Patient Features

- Tinnitus Technology
- Wireless Connectivity

Accessories

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

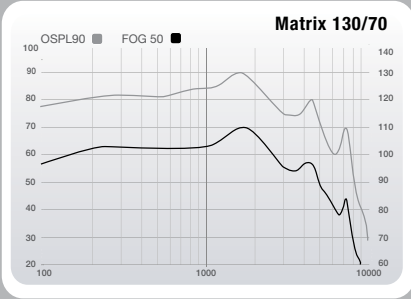
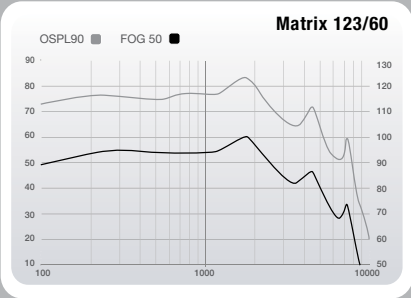
Fitting Range



Thrive Technology

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

▶ Matrices: 123/60, 130/70 ▶ Battery Size: 312



Measurement

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

Harmonic Distortion

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

Measurement

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

Harmonic Distortion

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

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7**	1.7**
Idle Current (mA)	1.7**	1.7**
Estimated Lithium-Ion Battery Life		
312 Zinc Air (days)	4-7**	4-7**
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
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.



mRIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Livio AI 1200
Livio 1200 | 1000

Color Guide



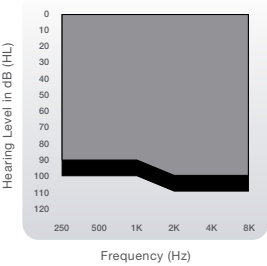
Patient Features

- Tinnitus Technology
- Wireless Connectivity

Accessories

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

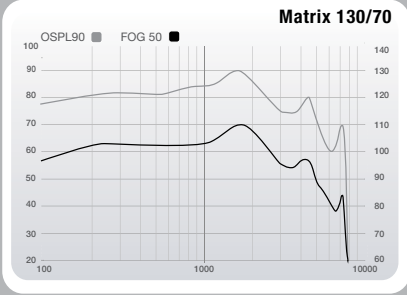
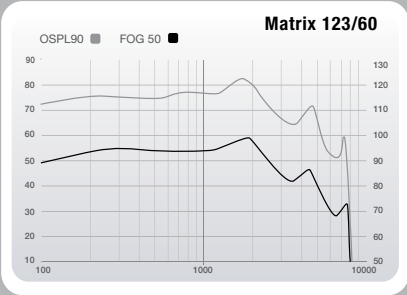
Fitting Range



Thrive Technology

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

▶ Matrices: 123/60, 130/70 ▶ Battery Size: 312



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

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

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



BTE R

BEHIND-THE-EAR

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide



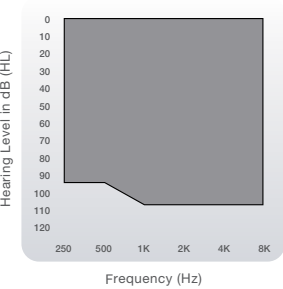
Patient Features

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

Accessories

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

Fitting Range



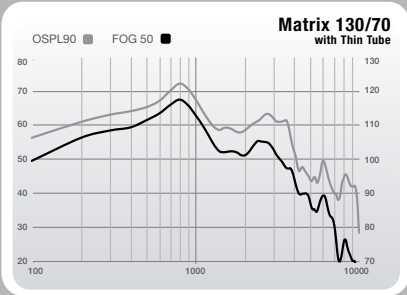
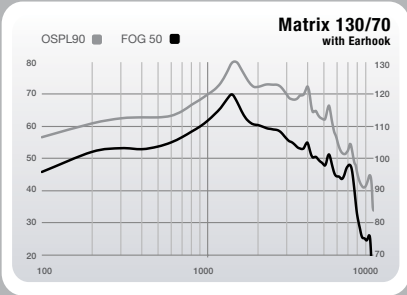
BTE R 70

Thrive Technology

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

▶ Matrix: 130/70

▶ Battery Size: Encased 312



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)	130	135	123	126
HFA OSPL90 (dB SPL)	124	N/A	113	N/A
RTF OSPL90 (dB SPL)	N/A	135	N/A	118
Peak Gain (dB)	70	75	68	72
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	75	N/A	62
Frequency Range (Hz)	<100-7600	<100-7600	<100-5000	<100-6900
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)	47	60	36	43
Equivalent Input Noise (dB)	24	18	29	29
Harmonic Distortion				
500 Hz (%)	<5	<5	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<1	<1	<1	<1

Measurement

Measurement	ANSI/IEC 2cc Coupler		IEC OES Coupler	
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	98	N/A	89	N/A
MASL (IEC) (dB SPL)	92	N/A	87	N/A
Estimated Lithium ION Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**		Up to 24 hours**	
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	92		92	
Weighted RMS Output Level (dB SPL)	92		92	
Max 1/3 Octave Output (dB SPL)	92		92	

*Available on Livio AI only.

**Results will vary based on wireless usage.



BTE R

BEHIND-THE-EAR

Livio AI 1200
Livio 1200 | 1000

Color Guide



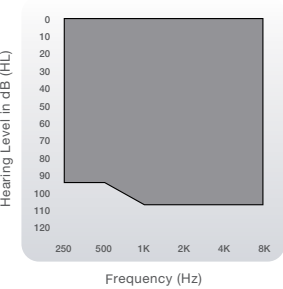
Patient Features

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

Accessories

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

Fitting Range



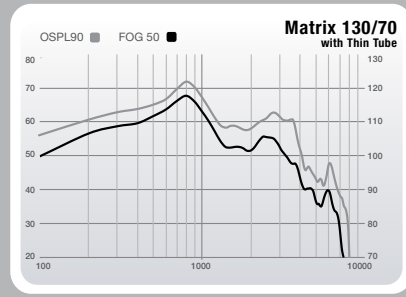
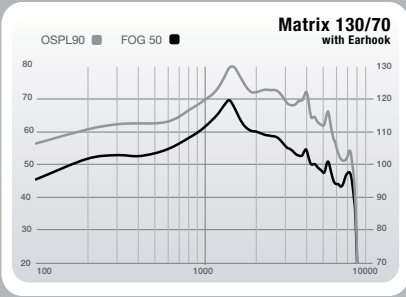
BTE R 70

Thrive Technology

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

▶ Matrix: 130/70

▶ Battery Size: Encased 312



Earhook

Thin Tube (Size 3, Occluded)

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	130	135	123	126
HFA OSPL90 (dB SPL)	124	N/A	113	N/A
RTF OSPL90 (dB SPL)	N/A	135	N/A	118
Peak Gain (dB)	70	75	68	72
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	75	N/A	62
Frequency Range (Hz)	<100-7600	<100-7600	<100-5000	<100-6900
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)	47	60	36	43
Equivalent Input Noise (dB)	24	18	29	29

Harmonic Distortion

500 Hz (%)	<5	<5	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<1	<1	<1	<1

Earhook

Thin Tube (Size 3, Occluded)

Measurement

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	98	N/A	89	N/A
MASL (IEC) (dB SPL)	92	N/A	87	N/A
Estimated Lithium ION Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours**		Up to 24 hours**	
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	92		92	
Weighted RMS Output Level (dB SPL)	92		92	
Max 1/3 Octave Output (dB SPL)	92		92	

*Available on Livio AI only.

**Results will vary based on wireless usage.



BTE 13

BEHIND-THE-EAR

Livio AI 2000 | 1600
Livio 2400 | 2000 | 1600

Color Guide



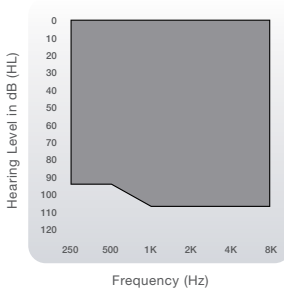
Patient Features

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

Accessories

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

Fitting Range



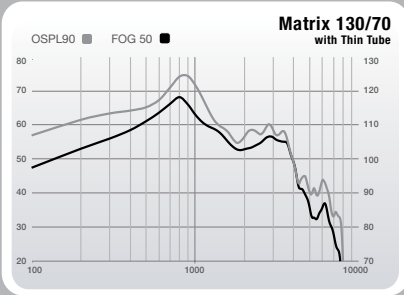
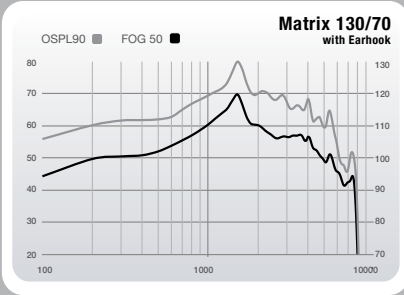
BTE 13 70

Thrive Technology

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

▶ Matrix: 130/70

▶ Battery Size: 13



	Earhook		Thin Tube (Size 3, Occluded)	
Measurement	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
Frequency Range (Hz)	<100-7600	<100-7800	<100-4600	<100-6800
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
Harmonic Distortion				
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	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
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**
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11**	7-11**	7-11**	7-11**
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Available on Livio AI only.

**Results will vary based on wireless usage.



BTE 13

BEHIND-THE-EAR

Livio AI 1200
Livio 1200 | 1000

Color Guide



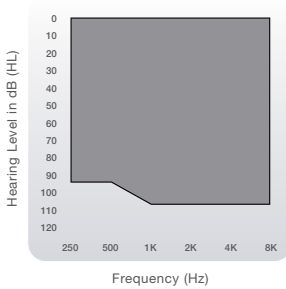
Patient Features

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

Accessories

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

Fitting Range



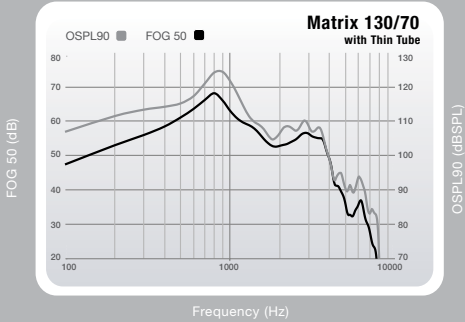
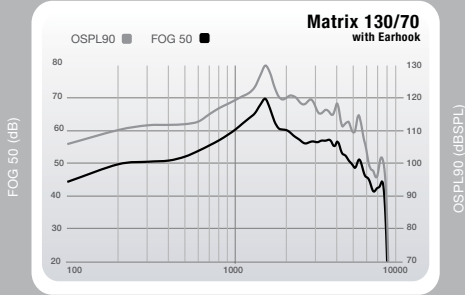
BTE 13 70

Thrive Technology

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

Matrix: 130/70

Battery Size: 13



Measurement

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
Frequency Range (Hz)	<100-7600	<100-7600	<100-4600	<100-6800
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
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<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
Induction Coil Sensitivity				
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***
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11***	7-11***	7-11***	7-11***
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Available on 1200 technology tier only.

**Available on Livio AI only.

***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
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Standards Applied

USA	Canada
RIC 312 FCC ID: EOA-24LIVIOR312	RIC 312 IC: 6903A-24LIVIOR312
RIC R FCC ID: EOA-24LIVIORCHG	RIC R IC: 6903A-24LIVIORCHG
BTE 13 FCC ID: EOA-24LIVIOB13	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^{AI}

livio^{AI}

livio

Accessories provide universal Bluetooth[®] connectivity

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



2.4 GHz ACCESSORIES



Table Microphone

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



TV Streamer

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



Remote Microphone +

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



OrCam® MyEye

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

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

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Mini Remote Microphone

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



Remote

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



Standard Charger and Custom Charger

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



Mini Turbo Charger

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



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Picasso Muse iQ



Synergy: A life-changing platform

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

- **Phone:** Direct audio streaming makes phone conversations easier.
- **Television:** Lets users stream favorite TV shows easily and understand them clearly.
- **Noise:** Helps patients better understand conversations in noisy environments like restaurants.



The art and science of custom hearing aids



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



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

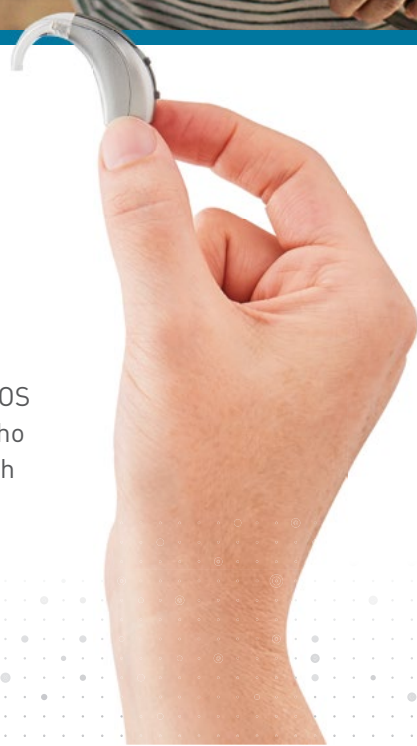




The technology to fit more patients



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

.....

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

Dark Brown

Chestnut

Medium Brown

Light Brown

Pink

Shell Colors

Clear

Light Brown

Pink

Blue/Red

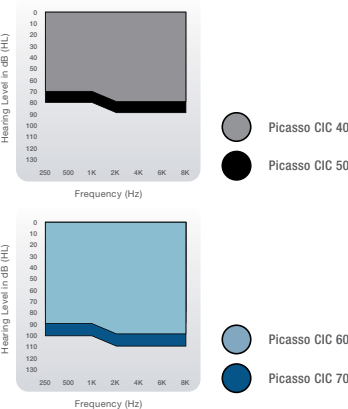
Patient Features

- Tinnitus Technology
- Wireless Connectivity*

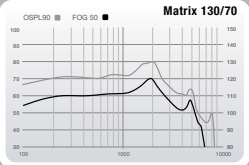
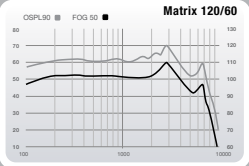
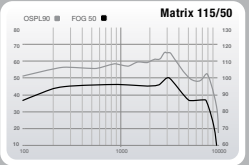
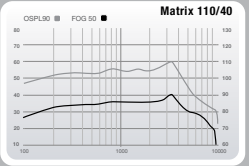
Accessories*

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

Fitting Range



► 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
Frequency Range (Hz)	<100-9400	<100-9700
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	29-47	35-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
ANSI/IEC Battery Current (mA)	1.2-1.5"	1.2-1.5"
Idle Current (mA)	1.2-1.3"	1.2-1.3"

Measurement

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

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



CIC

COMPLETELY-IN-CANAL

Picasso i1200 | i1000
Picasso 1200 | 1000

Color Guide

Faceplate Colors

Dark Brown

Chestnut

Medium Brown

Light Brown

Pink

Shell Colors

Clear

Light Brown

Pink

Blue/Red

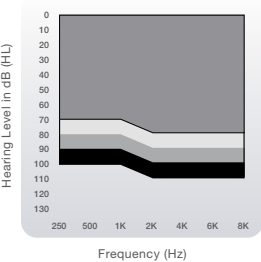
Patient Features

- Tinnitus Technology
- Wireless Connectivity*

Accessories*

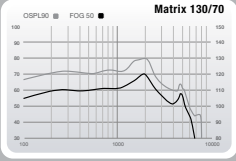
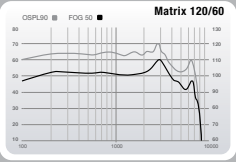
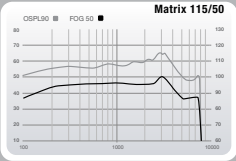
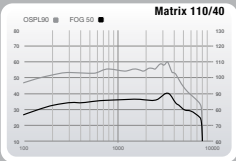
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range



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

▶ 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
Frequency Range (Hz)	<100-7800	<100-8000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-47	35-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A
MASL (IEC) (dB SPL)	N/A	N/A
ANSI/IEC Battery Current (mA)	1.2-1.5**	1.2-1.5**
Idle Current (mA)	1.2-1.3**	1.2-1.3**
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10**	7-10**
10 Zinc Air (days)	4-7**	4-7**
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

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



IIC

INVISIBLE-IN-CANAL

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

Color Guide

Faceplate Colors

Black

Dark Brown

Medium Brown

Light Brown

Pink

Shell Colors

Black

Clear

Dark Brown

Cocoa Brown

Light Brown

Pink

Blue/Red

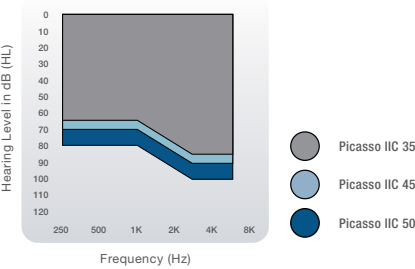
Patient Features

- Tinnitus Technology
- Wireless Connectivity*

Accessories*

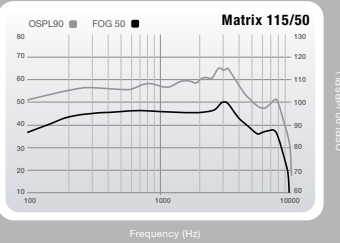
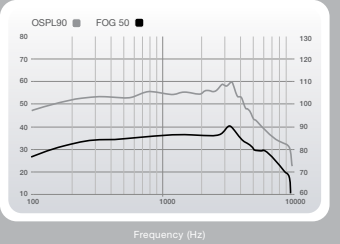
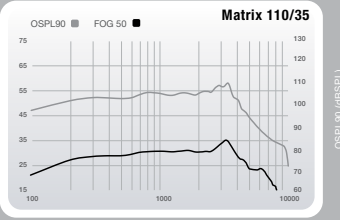
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range



▶ Matrices: 10/35, 110/40, 115/50

▶ Battery Size: 10



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
Frequency Range (Hz)	<100-9400	<100-9700
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
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

IIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A
MASL (IEC) (dB SPL)	N/A	N/A
ANSI/IEC Battery Current (mA)	1.2-1.5"	1.2-1.4"
Idle Current (mA)	1.2"	1.2"
Estimated Battery Life for 16-Hour Day		
10 Zinc Air (days)	4-7"	4-7"
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

*Available with wireless products only.

**Results will vary based on wireless usage.



POWER PLUS BTE 13

BEHIND-THE-EAR

Muse iQ i2400 | i2000 | i1600

Color Guide

Standard Colors

Bright White with Sterling

Black

Slate

Sterling

Espresso

Bronze

Champagne

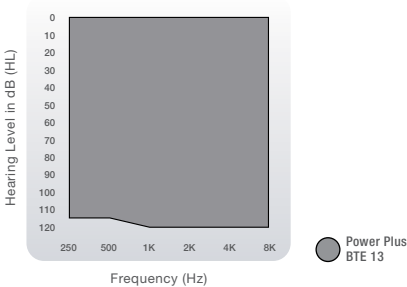
Patient Features

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

Accessories

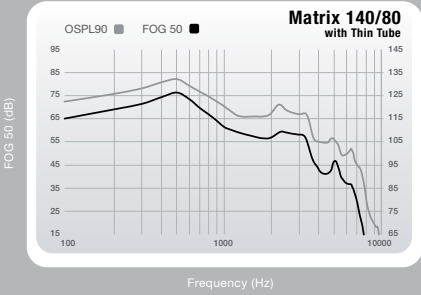
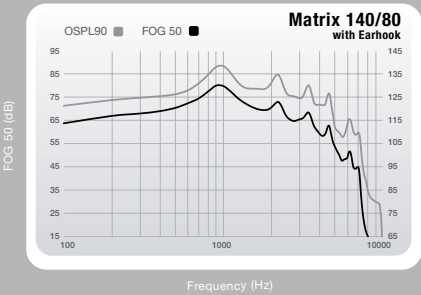
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range



▶ Matrices: 140/80

▶ Battery Size: 13



	Earhook		Thin Tube (Size 3, Occluded)	
Measurement	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
Frequency Range (Hz)	<100-5100	<100-6400	<100-5700	<100-7000
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
Harmonic Distortion				
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	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
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*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11*	7-11*	7-10*	7-10*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		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

Standard Colors

Bright White with Sterling

Black

Slate

Sterling

Espresso

Bronze

Champagne

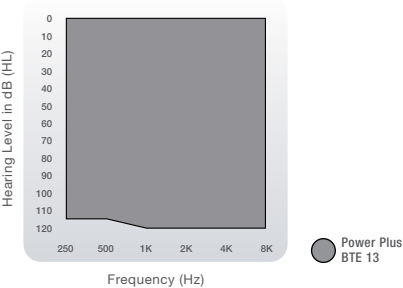
Patient Features

- Tinnitus Technology
- Telecoil
- IP Rating: 68

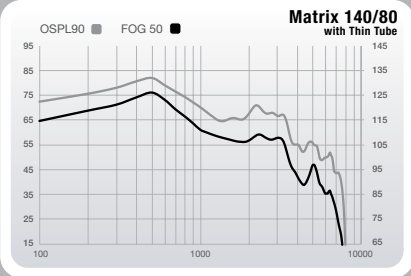
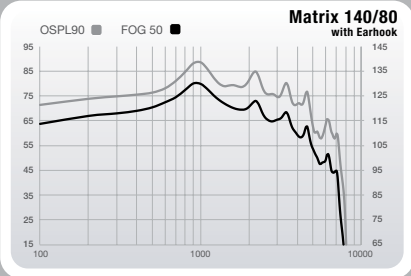
Accessories

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

Fitting Range



▶ Matrices: 140/80 ▶ Battery Size: 13



	Earhook		Thin Tube (Size 3, Occluded)	
Measurement	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
Frequency Range (Hz)	<100-5100	<100-6400	<100-5700	<100-7000
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
Harmonic Distortion				
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	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity				
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*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-10*	7-10*	7-10*	7-10*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*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
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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.

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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.



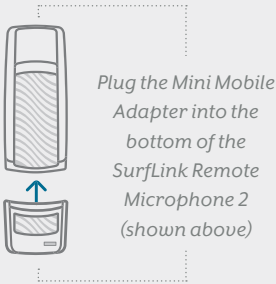
SurfLink Remote Microphone 2

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 aids.



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

←

MOST RIGID

The higher the shore value, the harder the material.

→

SOFTEST

Lucite

Digital SLS

Ultraflex

High strength silicone 60

High strength silicone 40

Floatable silicone

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

Multi	Blue	Green	Pink	Red	Orange	Gold	Silver	Purple	

Custom RIC Earmolds

Hard Material Styles
DIGITAL SLS/LUCITE

AP
EMBEDDED

RIC
SOLID CANAL

RIC
CANAL

RIC
CANAL LOCK

RIC
HALF SHELL

RIC
3/4 SHELL

RIC
SHELL

RIC
3/4 SKELETON

RIC
SKELETON

RIC
HELIX

Soft Material Styles
HIGH STRENGTH SILICONE

RIC
CANAL

RIC HOLLOW
CANAL

RIC
CANAL LOCK

RIC
HALF SHELL

RIC
3/4 SHELL

RIC
SHELL

RIC
3/4 SKELETON

RIC
SKELETON

RIC
HELIX

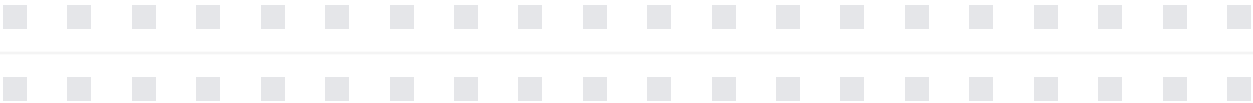
RIC
OCCLUDED HELIX

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR

Custom Thin Tube Earmolds

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

				
STOCK RIC MOLD Extra Small Small Standard	STOCK HELIX RIC MOLD Standard	OPEN COMFORT BUD 5mm, 6mm, 7mm, 9mm, 11mm	OCCLUDED COMFORT BUD 5mm, 6mm, 7mm, 9mm, 11mm	POWER DOMES Small (8mm-10mm), Medium (10mm-12mm), Large (12mm-14mm)
				
STOCK HOLLOW SILICONE Extra Small Small Standard	STOCK THIN TUBE SOLUTION Standard	OPEN COMFORT BUD 5mm, 6mm, 7mm, 9mm, 11mm	OCCLUDED COMFORT BUD 5mm, 6mm, 7mm, 9mm, 11mm	POWER DOMES Small (8mm-10mm), Medium (10mm-12mm), Large (12mm-14mm)

RIC Receiver Options



Custom BTE Earmolds

Hard Material Styles

DIGITAL SLS/LUCITE



CIC



CANAL



HOLLOW CANAL



CANAL LOCK



HALF SHELL



3/4 SHELL



SHELL



3/4 SKELETON



SKELETON



DIRECT TUBE



JANSSEN MOLD



NON-OCCLUDING
TYPE A MOLD



NON-OCCLUDING
TYPE B MOLD



NON-OCCLUDING
TYPE G MOLD



NON-OCCLUDING
TYPE J MOLD

Soft Material Styles

HIGH STRENGTH SILICONE



CIC



CANAL



CANAL LOCK



HALF SHELL



3/4 SHELL



SHELL



3/4 SKELETON



SKELETON



DIRECT TUBE



JANSSEN MOLD



NON-OCCLUDING
TYPE G MOLD

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR

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Earmold Vent Size Chart

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

VENT SIZE IS LIMITED BY EAR ANATOMY

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Earmolds

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:
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