



Starkey | Technical Data

mRIC R

micro Receiver-In-Canal
Rechargeable

Omega AI

Key Features

- Acoustic Optimization Model 2.0
- Auto Stream
- Status Indicator Light
- Find My Hearing Aids
- Bluetooth® Low Energy Audio with *Auracast™* technology
- StarLink Edge Remote Microphone, StarLink Edge Table Microphone, StarLink Edge TV Streamer & StarLink Remote Control 2.0 Compatibility
- Apple Watch® Controls*
- Balance Assessment within My Starkey App
- Demo Stream
- Tinnitus maskers (blue/red/pink/purple/ocean)
- Lithium-Ion Rechargeable Battery
- 24 Channels
- 4 Programs**
- Directional Processing: Adaptive, Dynamic
- Additive Compressor
- Feedback Cancellor
- Data Log
- Voice AI*
- Translate
- Multiflex Tinnitus Pro
- Transcribe
- Edge Mode+
- Gen AI Smart Assistant & TeleHear AI
- 2-Way Audio & Find My Phone
- Hearing Health & Activity Tracking
- Fall Alert
- Reminders & Self-Check
- Auto Sleep
- Tap Control
- SnapFit 2.0 & Custom Cased SnapFit 2.0 Receivers
- TeleHear full remote fit & REM Target Match
- My Starkey & Hear Share App Compatibility
- NOAH Link Wireless Programming
- Waterproof up to 1 meter
- Wireless programmability

Sound Manager:

- Quiet
- Machine Noise Reduction
- Speech in Noise Reduction
- Transient Noise Reduction
- Wind Reduction
- DNN Directionality
- DNN Spatial Awareness

Ear-to-Ear Technology:

- Binaural Wind
- Binaural Machine
- Binaural Mode Directionality

Multiple Processor:

For many years, Starkey has utilized multiple processors within a single chip, processors that work separately and concurrently to perform the various processing tasks of a modern-day hearing aid. Each processor is optimized to provide efficient calculations for a particular aspect of the audio processing. As technology advances, new types of processors are added, such as those optimized to execute neural networks, so that Starkey can continue to improve the sound quality of our hearing aids and ability of the hearing aid wearer to understand speech in a challenging environment.

SCIF:

All Starkey Omega AI wireless hearing aids are SCIF-compliant devices. All hands-free, bi-directional wireless audio transmission features may be disabled in the hearing firmware through fitting software by the audiologist. Those restricted features cannot be activated by the patient by any means.

*For iOS users only.

**Programs accessible via hearing aid user control or wireless accessory.

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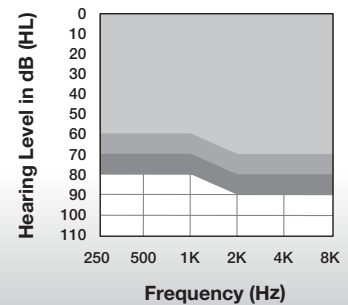
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Fitting Range

- L
- M
- P



Omega AI

Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Rechargeable Battery
- Status Indicator Light

Omega AI Technology

- Personal health monitoring technology with embedded sensors and artificial intelligence
- Compatible with StarLink Remote Control 2.0 and StarLink Edge accessories

	L	M	P	Matrices: L, M, P Battery: Lithium-ion
Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	107	117	119	
HFA OSPL90 (dB SPL)	101	113	115	
Peak Gain (dB)	42	50	60	
HFA Full-On Gain (dB)	35	47	55	
Frequency Range (Hz)	<100-9400	<100-9500	<100-9200	
HFA Frequencies (kHz)	1.0,1.6,2.5	1.0,1.6,2.5	1.0,1.6,2.5	
Reference Test Gain (dB)	24	36	38	
Equivalent Input Noise (dB SPL) <i>Expansion On (Default)</i>	15	15	15	
Equivalent Input Noise (dB SPL) <i>Expansion Off</i>	24	24	24	
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	
800 Hz (%)	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	
Estimated Lithium-ion Battery Life*				
Without streaming (hrs)	Up to 41	Up to 41	Up to 41	
With streaming (hrs)	Up to 33	Up to 33	Up to 33	
Battery Current (mA)	0.5	0.5	0.6	
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	

L

M

P

*Results will vary based on wireless usage.

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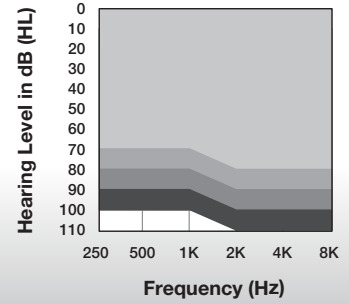
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mRIC R CUSTOM CASED

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Fitting Range

- L
- M
- P
- UP



Edge AI

Color Guide

Standard Colors



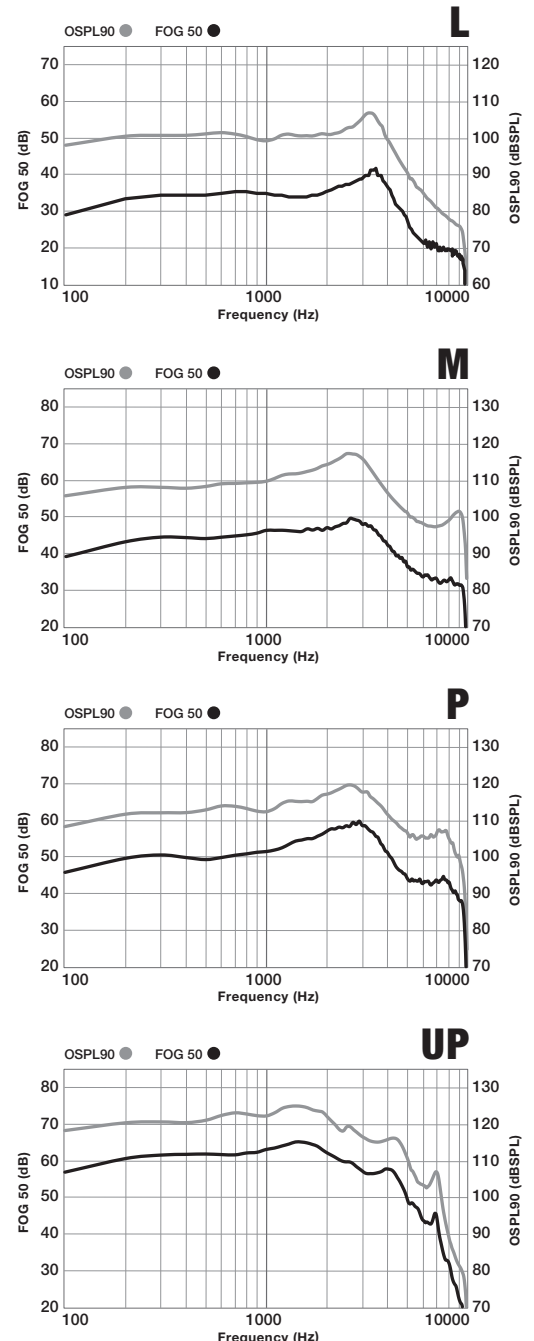
Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Rechargeable Battery
- Status Indicator Light

Edge AI Technology

- Personal health monitoring technology with embedded sensors and artificial intelligence
- Compatible with StarLink Remote Control 2.0 and StarLink Edge accessories

	L	M	P	UP	Matrices: L, M, P, UP Battery: Lithium-ion
Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	107	117	119	125	
HFA OSPL90 (dB SPL)	101	113	115	122	
Peak Gain (dB)	42	50	60	66	
HFA Full-On Gain (dB)	35	47	55	63	
Frequency Range (Hz)	<100-9400	<100-9500	<100-9200	<100-5800	
HFA Frequencies (kHz)	1.0,1.6,2.5	1.0,1.6,2.5	1.0,1.6,2.5	1.0,1.6,2.5	
Reference Test Gain (dB)	24	36	38	45	
Equivalent Input Noise (dB SPL) Expansion On (Default)	15	15	15	15	
Equivalent Input Noise (dB SPL) Expansion Off	24	24	24	24	
Harmonic Distortion					
500 Hz (%)	<3	<3	<3	<3	
800 Hz (%)	<3	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	<3	
Estimated Lithium-ion Battery Life*					
Without streaming (hrs)	Up to 41	Up to 41	Up to 41	Up to 41	
With streaming (hrs)	Up to 33	Up to 33	Up to 33	Up to 33	
Battery Current (mA)	0.5	0.5	0.6	0.6	
Tinnitus Therapy Stimulus					
Max RMS Output (dB SPL)	87	87	87	87	
Weighted RMS Output Level (dB SPL)	87	87	87	87	
Max 1/3 Octave Output (dB SPL)	87	87	87	87	



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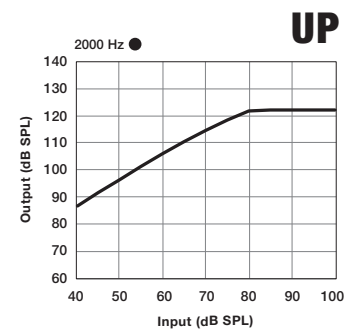
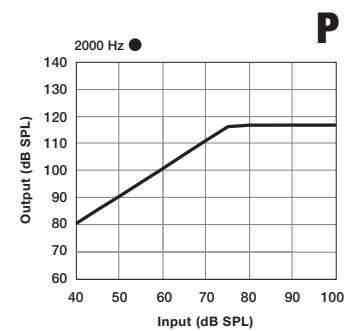
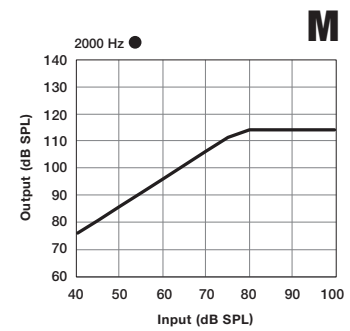
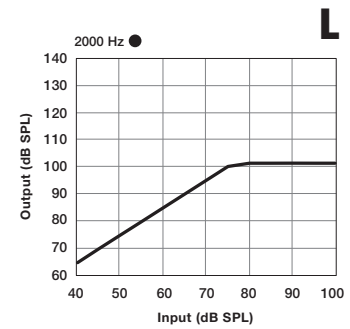
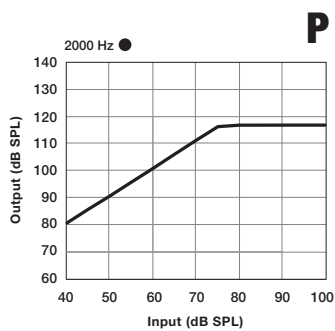
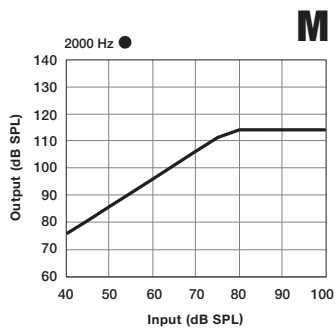
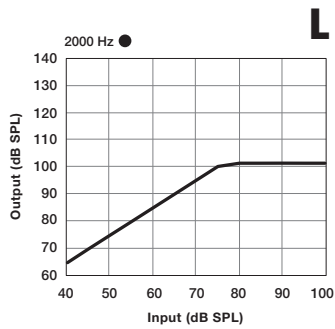


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Latency (ms) 4.3

Attack Time (ms) 3

Release Time (ms) 60



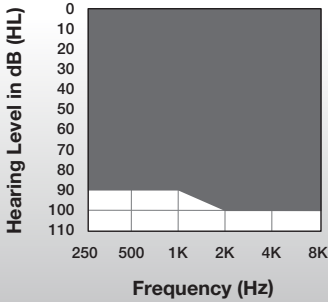
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Fitting Range

UP-



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Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Tinnitus Technology
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	UP-	Matrices: UP- Battery: Lithium-ion						
Measurement	ANSI/IEC 2cc Coupler							
Peak OSPL90 (dB SPL)	119	UP-						
HFA OSPL90 (dB SPL)	116							
Peak Gain (dB)	63							
HFA Full-On Gain (dB)	59							
Frequency Range (Hz)	<100-7400							
HFA Frequencies (kHz)	1.0, 1.6, 2.5	UP-						
Reference Test Gain (dB)	39							
Equivalent Input Noise (dB SPL) Expansion On (Default)	15							
Equivalent Input Noise (dB SPL) Expansion Off	24							
Harmonic Distortion								
500 Hz (%)	<3							
800 Hz (%)	<3							
1600 Hz (%)	<3							
Estimated Lithium-ion Battery Life*								
Without streaming (hrs)	Up to 41	<table><tr><td>Latency (ms)</td><td>4.3</td></tr><tr><td>Attack Time (ms)</td><td>3</td></tr><tr><td>Release Time (ms)</td><td>60</td></tr></table>	Latency (ms)	4.3	Attack Time (ms)	3	Release Time (ms)	60
Latency (ms)	4.3							
Attack Time (ms)	3							
Release Time (ms)	60							
With streaming (hrs)	Up to 33							
Battery Current (mA)	0.5							
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.

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