



Starkey | Technical Data

RIC 312

Receiver-In-Canal

Omega AI

Key Features

- Acoustic Optimization Model 2.0
- Auto Stream
- 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)
- 312 Zinc Air Battery
- 24 Channels
- 4 Programs**
- Directional Processing: Adaptive, Dynamic
- Additive Compressor
- Feedback Canceller
- 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
- CROS System
- 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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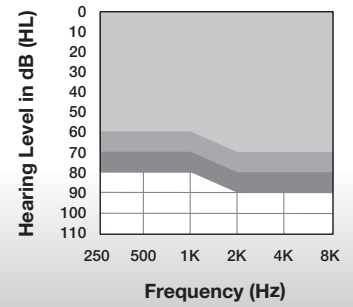
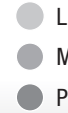


Starkey | Technical Data

RIC 312

Receiver-In-Canal

Fitting Range



Omega AI

Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI)

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 Size: 312
Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	107	117	120	Legend: OSPL90 ● FOG 50 ●
HFA OSPL90 (dB SPL)	101	113	116	
Peak Gain (dB)	43	49	60	
HFA Full-On Gain (dB)	36	47	56	
Frequency Range (Hz)	<100-9400	<100-9400	<100-9400	
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	Legend: OSPL90 ● FOG 50 ●
Reference Test Gain (dB)	24	36	39	
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	Legend: OSPL90 ● FOG 50 ●
800 Hz (%)	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A	N/A	
MASL (IEC) (dB SPL)	N/A	N/A	N/A	
Estimated Battery Life for 16-Hour Day				
Without streaming (days)	Up to 6	Up to 6	Up to 6	
With streaming (days)	Up to 5	Up to 5	Up to 5	
Battery Current (mA)	1.5	1.6	1.6	
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	



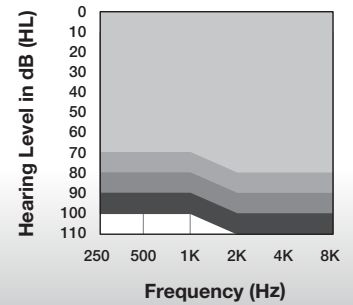
Starkey | Technical Data

RIC 312 CUSTOM Cased

Receiver-In-Canal

Fitting Range

- L
- M
- P
- UP



Omega AI

Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI)

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	UP	Matrices: L, M, P, UP Battery Size: 312
Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	107	117	120	125	
HFA OSPL90 (dB SPL)	101	113	116	122	
Peak Gain (dB)	43	49	60	67	
HFA Full-On Gain (dB)	36	47	56	64	
Frequency Range (Hz)	<100-9400	<100-9400	<100-9400	<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	39	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	
Induction Coil Sensitivity					
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A	N/A	N/A	
MASL (IEC) (dB SPL)	N/A	N/A	N/A	N/A	
Estimated Battery Life for 16-Hour Day					
Without streaming (days)	Up to 6	Up to 6	Up to 6	Up to 6	
With streaming (days)	Up to 5	Up to 5	Up to 5	Up to 5	
Battery Current (mA)	1.5	1.6	1.6	1.7	
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	



Starkey | Technical Data

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Receiver-In-Canal

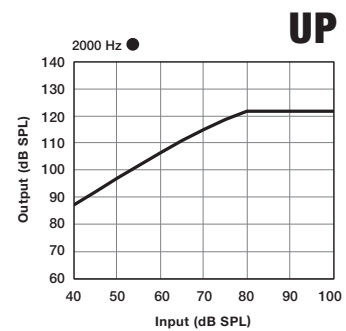
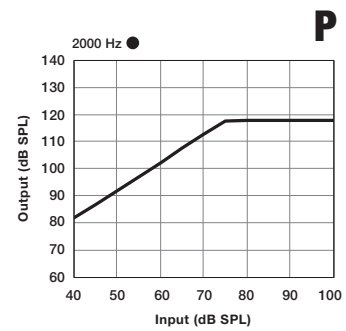
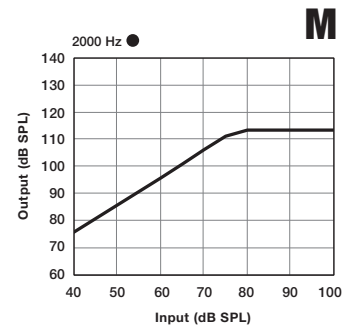
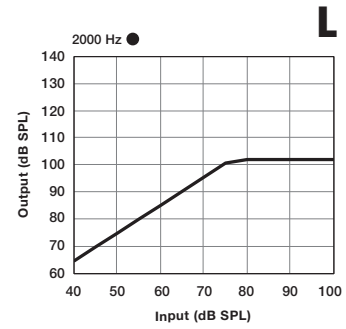
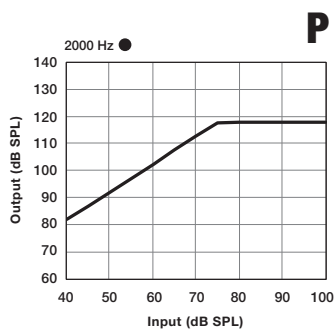
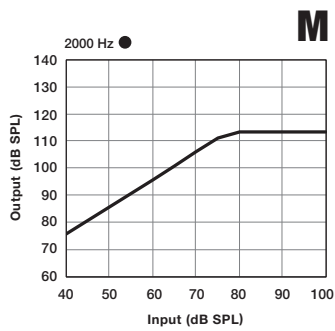
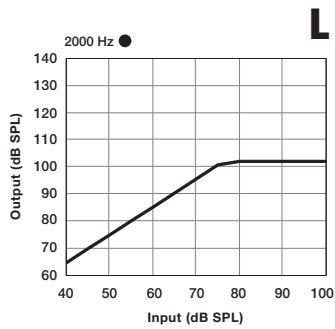


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RIC 312 CUSTOM CASED

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Latency (ms) 4.3

Attack Time (ms) 1

Release Time (ms) 160



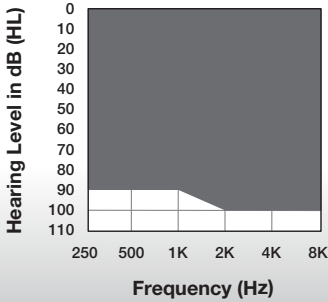
Starkey | Technical Data

RIC 312 CUSTOM Cased

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Fitting Range

● UP-



Omega AI

Color Guide

Standard Colors



Patient Features

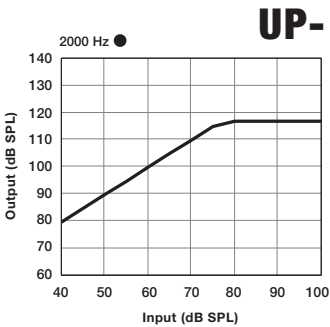
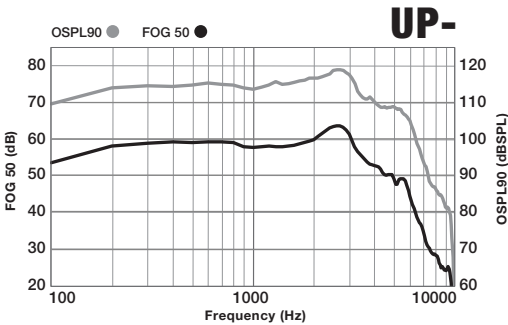
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	UP-	Matrices: UP- Battery Size: 312
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Measurement	ANSI/IEC 2cc Coupler
Peak OSPL90 (dB SPL)	119
HFA OSPL90 (dB SPL)	116
Peak Gain (dB)	64
HFA Full-On Gain (dB)	60
Frequency Range (Hz)	<100-5800
HFA Frequencies (kHz)	1.0, 1.6, 2.5
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
Induction Coil Sensitivity	
HFA SPLITS (ANSI) (dB SPL)	N/A
MASL (IEC) (dB SPL)	N/A
Estimated Battery Life for 16-Hour Day	
Without streaming (days)	Up to 6
With streaming (days)	Up to 5
Battery Current (mA)	1.6



Tinnitus Therapy Stimulus

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

Latency (ms)	4.3
Attack Time (ms)	1
Release Time (ms)	160