



Starkey | Technical Data

# RIC 312

Receiver-In-Canal

## Edge AI

### Key Features

- Bluetooth Low Energy Audio with Auracast technology
- 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+
- Smart Assistant
- 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

### Sound Manager:

- Quiet
- Machine Noise Reduction
- Speech in Noise Reduction
- Transient Noise Reduction
- Wind Reduction

### Ear-to-Ear Technology:

- Binaural Wind
- Binaural Machine
- Binaural Mode Directionality

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

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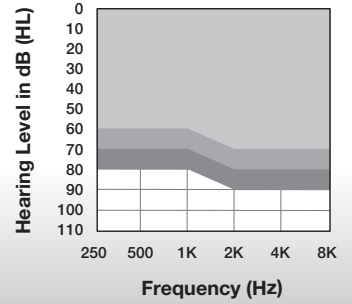
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## RIC 312

Receiver-In-Canal

### Fitting Range

- L
- M
- P



### Edge AI

#### Color Guide

##### Standard Colors



#### Patient Features

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

#### 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	Matrices: L, M, P Battery Size: 312
<b>Measurement</b>	<b>ANSI/IEC 2cc Coupler</b>	<b>ANSI/IEC 2cc Coupler</b>	<b>ANSI/IEC 2cc Coupler</b>	
Peak OSPL90 (dB SPL)	107	117	120	
HFA OSPL90 (dB SPL)	101	113	116	
Peak Gain (dB)	43	49	60	
HFA Full-On Gain (dB)	36	47	56	
<b>Frequency Range (Hz)</b>	<100-9400	<100-9400	<100-9400	
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	
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	
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	
800 Hz (%)	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	
<b>Induction Coil Sensitivity</b>				
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A	N/A	
MASL (IEC) (dB SPL)	N/A	N/A	N/A	
<b>Estimated Battery Life for 16-Hour Day</b>				
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	
<b>Tinnitus Therapy Stimulus</b>				
Max RMS Output (dB SPL)	87	87	87	
Weighted RMS Output Level (dB SPL)	87	87	87	
Max 1/3 Octave Output (dB SPL)	87	87	87	



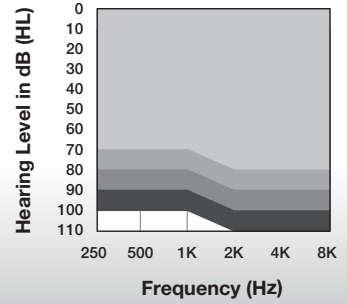
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# RIC 312 CUSTOM CASED

Receiver-In-Canal

## Fitting Range

- L
- M
- P
- UP



## Edge AI

### Color Guide

#### Standard Colors



### Patient Features

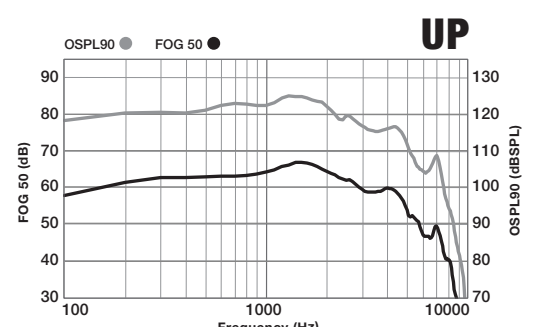
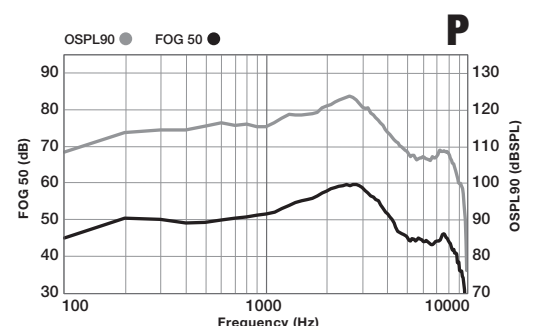
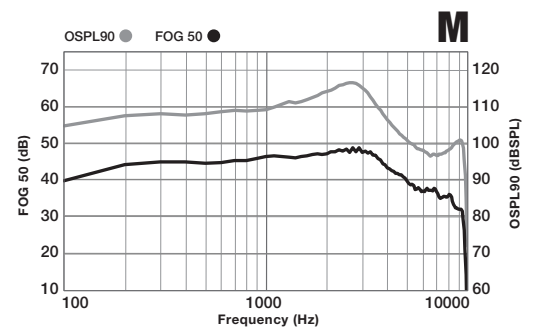
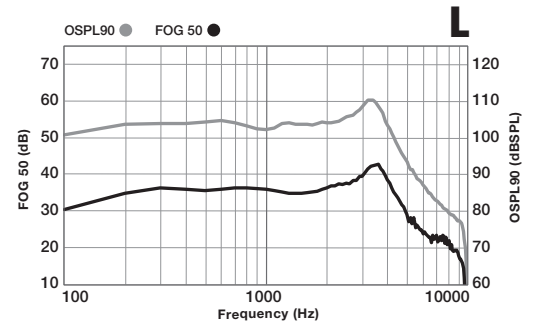
- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI)

### 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 Size: 312
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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
<b>Frequency Range (Hz)</b>	<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) <i>Expansion On (Default)</i>	15	15	15	15
Equivalent Input Noise (dB SPL) <i>Expansion Off</i>	24	24	24	24
<b>Harmonic Distortion</b>				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3



Induction Coil Sensitivity	L	M	P	UP
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	L	M	P	UP
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	L	M	P	UP
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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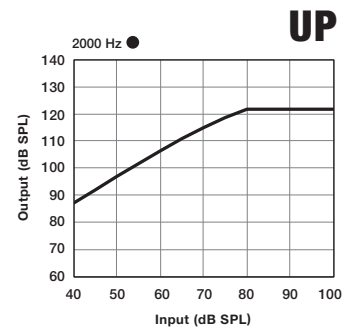
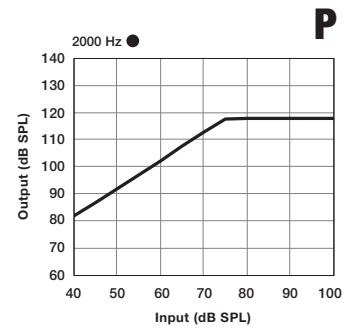
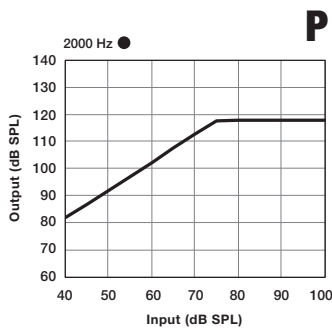
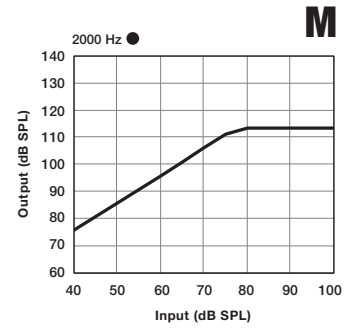
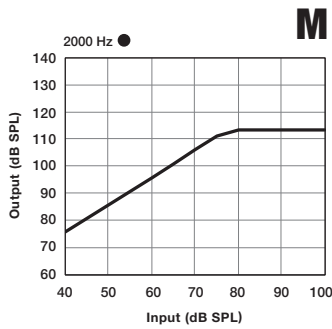
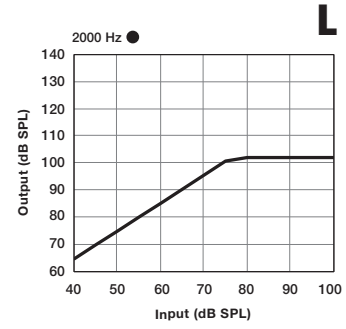
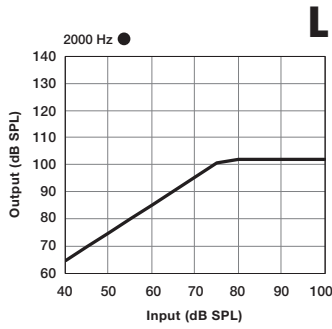


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## Edge AI



Latency (ms) 4.3

Attack Time (ms) 3

Release Time (ms) 60