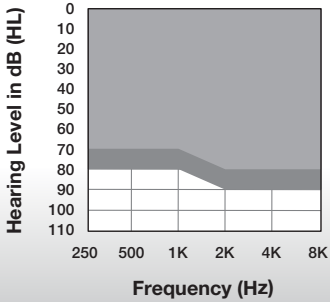




SoundGear Amp  
**mRIC R**  
micro Receiver-In-Canal  
Rechargeable

Fitting  
Range

- M
- P



Technical Data

Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Wireless Connectivity
- Rechargeable Battery
- Compatible with SoundGear Accessories

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

\*Results will vary based on wireless usage.

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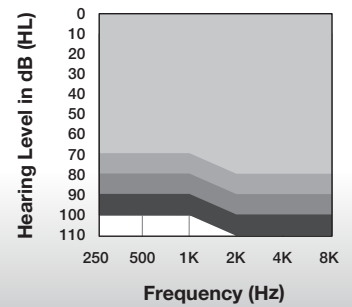
# SoundGear Amp

## mRIC R CUSTOM CASED

micro Receiver-In-Canal  
Rechargeable

### Fitting Range

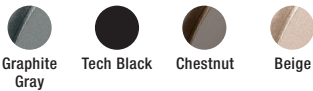
- L
- M
- P
- UP



## Technical Data

### Color Guide

#### Standard Colors



### Patient Features

- IP Rating: 68
- Wireless Connectivity
- Rechargeable Battery
- Compatible with SoundGear Accessories

|                                                           | L                       | M                       | P                       | UP                      | Matrices: L, M, P, UP<br>Battery: Lithium-ion |
|-----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------------------|
| Measurement                                               | ANSI/IEC<br>2cc Coupler | ANSI/IEC<br>2cc Coupler | ANSI/IEC<br>2cc Coupler | ANSI/IEC<br>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)<br>Expansion On (Default) | 15                      | 15                      | 15                      | 15                      |                                               |
| Equivalent Input Noise (dB SPL)<br>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<br>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                     |                                               |

### L

### M

### P

### UP

\*Results will vary based on wireless usage.

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# SoundGear Amp mRIC R

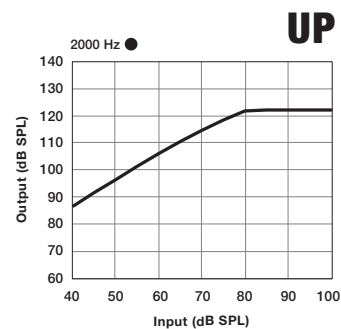
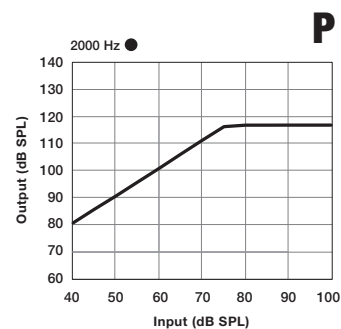
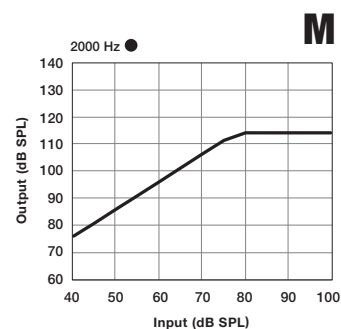
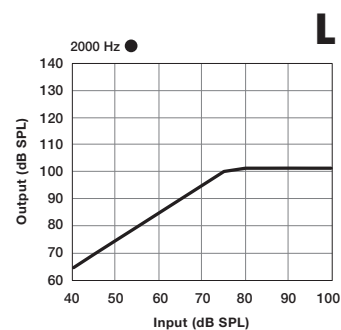
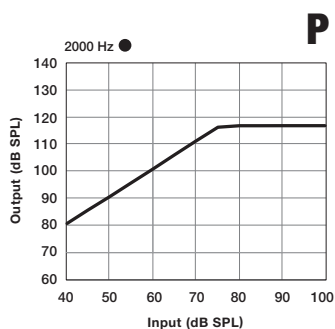
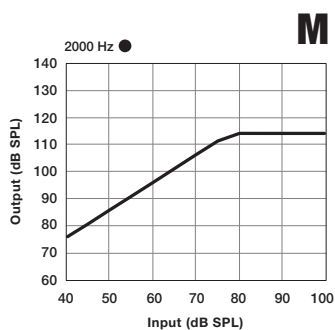
micro Receiver-In-Canal  
Rechargeable



# SoundGear Amp mRIC R CUSTOM CASED

micro Receiver-In-Canal  
Rechargeable

## Technical Data



Latency (ms) 4.3

Attack Time (ms) 3

Release Time (ms) 60



# SoundGear Amp mRIC R

micro Receiver-In-Canal  
Rechargeable



# SoundGear Amp mRIC R CUSTOM CASED

micro Receiver-In-Canal  
Rechargeable

## Wireless Technical Description

### Radio Technology

#### Bluetooth Low Energy

|                     |                  |
|---------------------|------------------|
| Frequency:          | 2.4 – 2.4835 GHz |
| Output Power:       | -5.6 dBm         |
| Modulation:         | GFSK             |
| Receiver Bandwidth: | 1.5 MHz          |

### Regulatory Approvals

#### FCC ID (USA)

FCC ID: E0A-24EDGMRIC

#### ISED Canada ID

IC: 6903A- 24EDGMRIC

#### Tested to and passed the following emissions and immunity tests

- IEC 60601-1-2 radiated emissions requirements for a Group 1 Class B device as stated in CISPR 11
- RF radiated immunity at a field level of 10 V/m between 80 MHz and 2.7 GHz
- RF radiated immunity to higher field levels from communications devices as stated in Table 9 of IEC 60601-1-2
- Immunity to power frequency magnetic fields at a field level of 30 A/m
- Immunity to proximity magnetic fields as defined in Table 11 of 60601-1-2.
- Immunity to ESD levels of +/- 8 kV conducted discharge and +/- 15 kV air discharge

### General Information

These devices comply with part 15 of the FCC rules and with ISED Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) The device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Hereby, Starkey Laboratories, Inc. declares that the mRIC R is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. A copy of the Declaration of Conformity can be obtained from the address below or from [docs.starkeyhearingtechnologies.com](https://docs.starkeyhearingtechnologies.com).

Hereby, Starkey Laboratories, Inc. declares that the mRIC R is in compliance with the UK Radio Equipment Regulations SI 2017 as amended. A copy of the UK Declaration of Conformity can be obtained from the following addresses and from [docs.starkeyhearingtechnologies.com](https://docs.starkeyhearingtechnologies.com).