

# Sun Li-Ion 16 G4

## RECEIVER-IN-CANAL HEARING SYSTEM (RIC) WITH LITHIUM-ION BATTERY



### PRODUCT FEATURES

Receiver-in-Canal hearing system (RIC) with external receiver  
For open and closed fitting

### BASIC FEATURES

Battery with lithium-ion technology  
Push button, can be programmed as a program button, volume control, Tinnitus noiser level up/down  
Level-dependent signal tones/melodies (activate/deactivate) for low battery voltage, program change, volume control  
Telephone coil  
Audiomatic power-on delay (P) (activate/deactivate)  
IP68-certified

### OPTIONS








Smart Li-Ion Power (compulsory)  
Audiostreamer Smart Connect  
Remote Control Smart Remote  
Remote Control Smart Key  
Smart Connect App, with AudioDirSelect  
Smart Remote App, with AudioDir Select  
External receiver S with FOG = 45 dB<sup>1)</sup>  
External receiver M with FOG = 60 dB<sup>1)</sup>  
External receiver P with FOG = 70 dB<sup>1) 2)</sup>  
Customized CLIC MOULD 2.0 (Open or Power)  
Click Domes (Open, Semi-open, Closed or Double)  
Click Sleeves (Open or Closed)  
AutoPhone set

### PROGRAMMING CABLE

Cable for HiPro interface, right	Art. No. 029 44 986
Cable for HiPro interface, left	Art. No. 029 44 994
Cable for Noah-Link interface, right	Art. No. 106 02 843
Cable for Noah-Link interface, left	Art. No. 106 02 842

### HOUSING COLORS

 Beige	 Dark gray	 Granite
 Tobacco	 Silver	 Bronze
 Gray	 Pearly-white	

### TECHNICAL FEATURES

40 signal processing channels / 20 frequency channels  
20 AGC channels / 20 MPO channels  
6 hearing programs  
 > MusicSelect (Live music, musicians, sound carriers)  
 > ZearPhone  
 > EchoClear / Dereverberation  
 Data Logging  
 Wireless  
 > AudioLink  
 > Binaural synchronization  
 > Wireless audio streaming optional  
 > CROS/BiCROS

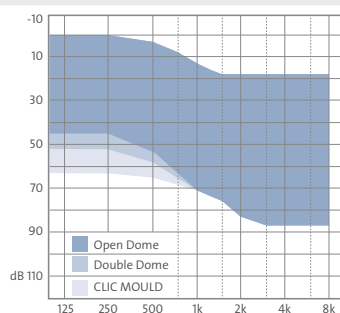
### SIGNAL PROCESSING

Anti-Feedback system  
Noise Manager  
 > Adaptive noise reduction, binaural  
 > Wiener filter  
 > Adaptive wind noise reduction  
 > Impulse suppressor  
 > Auto-situation adaption  
 > Selectronic  
 AudioTronic multi-microphone system  
 > Panorama  
 > Directional static  
 > Automatic  
 > Adaptive  
 > AudioFocus 360  
 > AudioSpot  
 Frequency and dynamics concept  
 > TRC S  
 > Selective frequency compression  
 > HiFi functionality  
 > Sound Upgrade (in wireless audio streaming mode)  
 > Volume setting dependent on environment (only in wireless audio streaming mode)  
 Programmable Tinnitus function

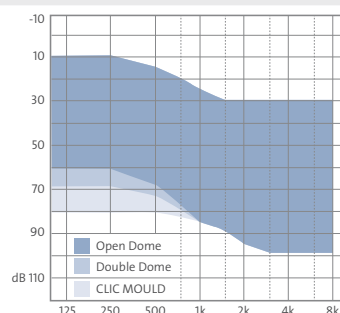
### AUTOMATIC FUNCTIONS

Comfort365  
Intelligent Acclimatic  
Comformatic

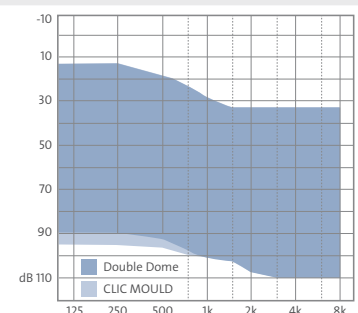
### FITTING RANGES



Fitting range external receiver 45 dB



Fitting range external receiver 60 dB



Fitting range external receiver 70 dB<sup>2)</sup>

<sup>1)</sup> measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009  
<sup>2)</sup> 70 dB measured with CLIC MOULD 2.0, values vary if domes are used for fitting  
P = Patent

# Sun Li-Ion 16 G4

Gain 45 dB



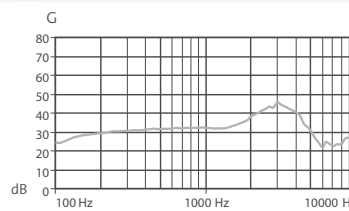
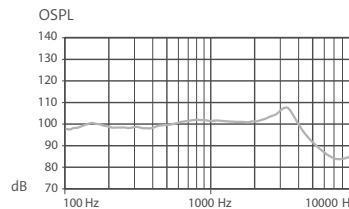
## MAXIMUM OUTPUT

Input: 90 dB

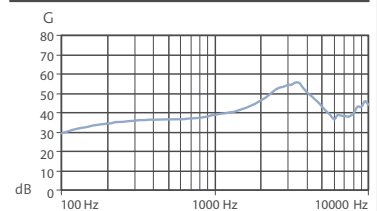
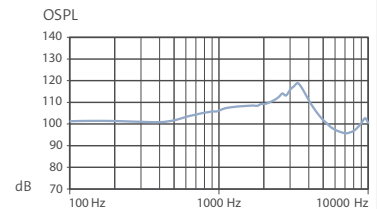
## MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005<sup>3)</sup>  
ANSI S3.22-2009<sup>3)</sup>



IEC 60118-0<sup>4)</sup>



## TECHNICAL INFORMATION

### SATURATION OSPL 90

Peak value at 90 dB	108 dB	119 dB
1,600 Hz (RTF)	100 dB	108 dB
HFA (High Frequency Average)	100 dB	106 dB

### FULL ON GAIN

Peak value at 50 dB	45 dB	56 dB
1,600 Hz (RTF)	34 dB	42 dB
HFA (High Frequency Average)	36 dB	40 dB
Reference test gain	23 dB	33 dB

### TECHNICAL FEATURES

Battery type	Lithium-ion battery	Lithium-ion battery
Service life of the charged battery in hours	28	28
Frequency range	100 – 10,000 Hz	100 – 10,000 Hz
Battery current consumption	0.90 mA	0.90 mA
Equivalent noise level	18 dB	22 dB
Tinnitus noiser broadband	65 dB	
Telecoil sensitivity (1 mA/m)	68 dB	75 dB
Distortion		
500 Hz	1%	1%
800 Hz	1%	1%
1,600 Hz	1%	2%

<sup>3)</sup> Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

<sup>4)</sup> Technical data measured in accordance with IEC 60118-0 at ear simulator



**WARNING**

Small parts present a choking hazard.

This device is not suitable for fitting to babies, small children or mentally disabled persons.

# Sun Li-Ion 16 G4

Gain 60 dB



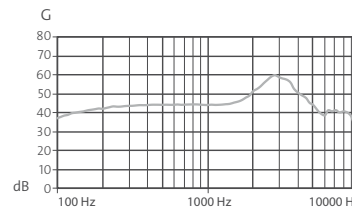
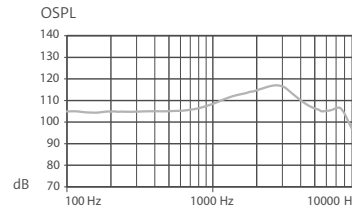
## MAXIMUM OUTPUT

Input: 90 dB

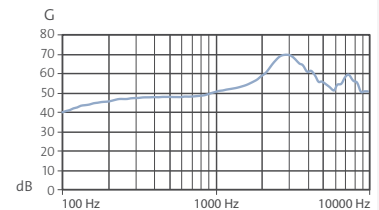
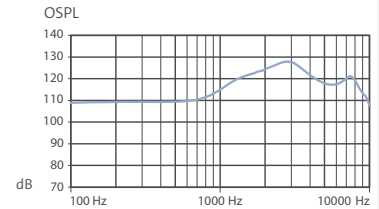
## MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005<sup>3)</sup>  
ANSI S3.22-2009<sup>3)</sup>



IEC 60118-0<sup>4)</sup>



## TECHNICAL INFORMATION

### SATURATION OSPL 90

Peak value at 90 dB	119 dB	129 dB
1,600 Hz (RTF)	113 dB	122 dB
HFA (High Frequency Average)	113 dB	116 dB

### FULL ON GAIN

Peak value at 50 dB	60 dB	70 dB
1,600 Hz (RTF)	47 dB	54 dB
HFA (High Frequency Average)	50 dB	53 dB
Reference test gain	36 dB	47 dB

### TECHNICAL FEATURES

Battery type	Lithium-ion battery	Lithium-ion battery
Service life of the charged battery in hours	27	27
Frequency range	100 – 8,800 Hz	100 – 10,000 Hz
Battery current consumption	1.00 mA	1.00 mA
Equivalent noise level	19 dB	23 dB
Tinnitus noiser broadband	70 dB	
Telecoil sensitivity (1 mA/m)	80 dB	85 dB
Distortion		
500 Hz	1%	1%
800 Hz	1%	3%
1,600 Hz	2%	3%

<sup>3)</sup> Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

<sup>4)</sup> Technical data measured in accordance with IEC 60118-0 at ear simulator



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# Sun Li-Ion 16 G4

Gain 70 dB<sup>2)</sup>



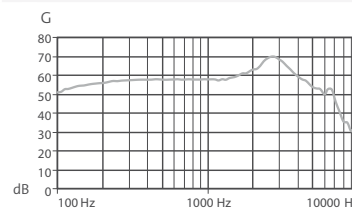
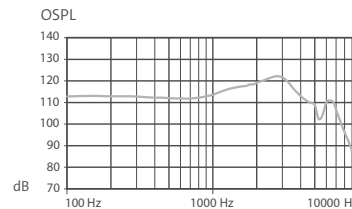
## MAXIMUM OUTPUT

Input: 90 dB

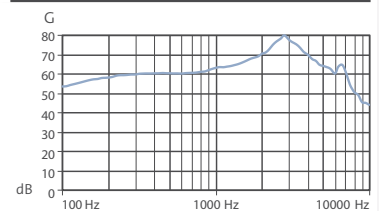
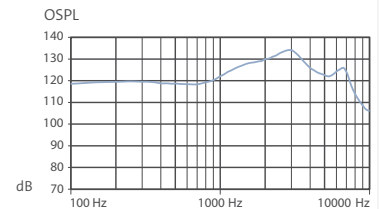
## MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005<sup>3)</sup>  
ANSI S3.22-2009<sup>3)</sup>



IEC 60118-0<sup>4)</sup>



## TECHNICAL INFORMATION

### SATURATION OSPL 90

Peak value at 90 dB	124 dB	134 dB
1,600 Hz (RTF)	118 dB	127 dB
HFA (High Frequency Average)	118 dB	122 dB

### FULL ON GAIN

Peak value at 50 dB	70 dB	80 dB
1,600 Hz (RTF)	60 dB	67 dB
HFA (High Frequency Average)	62 dB	65 dB
Reference test gain	41 dB	51 dB

### TECHNICAL FEATURES

Battery type	Lithium-ion battery	Lithium-ion battery
Service life of the charged battery in hours	27	27
Frequency range	100 – 7,800 Hz	100 – 8,100 Hz
Battery current consumption	1.00 mA	1.00 mA
Equivalent noise level	18 dB	21 dB
Tinnitus noiser broadband	75 dB	
Telecoil sensitivity (1 mA/m)	91 dB	100 dB
Distortion		
500 Hz	2%	3%
800 Hz	2%	3%
1,600 Hz	1%	2%

<sup>2)</sup> 70 dB measured with CLIC MOULD 2.0, values vary if domes are used for fitting

<sup>3)</sup> Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

<sup>4)</sup> Technical data measured in accordance with IEC 60118-0 at ear simulator



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**WARNING** The maximum output levels of the hearing systems can reach or exceed 132 dB SPL.  
Risk of injury to the hearing of the wearer. Ensure that the hearing systems are fitted with care.

For control ranges and more programming features see Hearing Instrument Simulation of Connex 8.3 and AudioFit 8.3 or higher.

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