

BTE HEARING SYSTEMS

XS G4

Tech Level 8 | 6 | 4 | 3



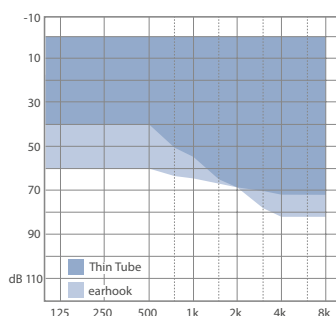
BATTERY: 312

AMPLIFICATION: 55 dB (EARHOOK) | 45 dB (THIN TUBE)

HOUSING COLORS



FITTING RANGES



BASIC FEATURES

Tech Level	8	6	4	3
Earhook	●	●	●	●
Battery compartment as on/off switch	●	●	●	●
Programmable push button	●	●	●	●
Programmable rocker switch	—	—	—	—
Level-dependent signal tones/melodies (can be activated/deactivated)	●	●	●	●
Can be used with either disposable or rechargeable battery	—	—	—	—
Telephone coil	—	—	—	—
Status LED, programmable	—	—	—	—
Personal color concept	—	—	—	—
Audiomatic power-on delay (can be activated/deactivated)	●	●	●	●
IP67-certified	●	●	●	●

SIGNAL PROCESSING

Anti-Feedback system	●	●	●	●
Noise Manager				
> Adaptive noise reduction	●	●	● (on/off)	● (on/off)
> Wiener filter	●	●	● (on/off)	● (on/off)
> Adaptive wind noise reduction, binaural	—	—	—	—
> Adaptive wind noise reduction	●	●	—	—
> Impulse suppressor	●	●	—	—
> Auto-situation adaption	●	—	—	—
> Selectronic	●	—	—	—
AudioTronic multi-microphone system				
> Panorama	●	—	—	—
> Directional static	●	●	●	●
> Automatic	●	●	●	●
> Adaptive	●	●	—	—
> Speech 360	—	—	—	—
> AudioFocus 360	—	—	—	—
> AudioSpot	●	—	—	—
Frequency and dynamics concept				
> TRC S	●	●	●	●
> Selective frequency compression	●	●	●	—
> HiFi functionality	—	—	—	—
> Sound Upgrade (in Wireless Streaming mode)	—	—	—	—
> Gain setting dependent on environment (only in Wireless Audio Streaming mode)	—	—	—	—
Programmable tinnitus function	●	●	—	—

AUTOMATIC FUNCTIONS

Comfort365	●	●	●	—
Acclimatic	●	●	●	—
Intelligent Acclimatic	—	—	—	—
Comformatic	●	—	—	—

TECHNICAL FEATURES

Tech Level	8	6	4	3
Signal processing channels	24	16	16	12
Frequency channels	12	8	8	6
AGC channels	12	8	8	6
MPO channels	12	8	8	6
Hearing programs	6	4	4	4
> MusicSelect	1	—	—	—
> 2earPhone	—	—	—	—
> EchoClear/dereverberation	—	—	—	—
Data Logging	●	●	●	●
Wireless				
> Audiolink	●	—	—	—
> Binaural synchronization	●	●	●	—
> Wireless audio streaming	○	○	○	—
> CROS/BiCROS	○	—	—	—

ACCESSORIES | OPTIONS

Clip for battery compartment in red and blue for side recognition	●	●	●	●
Thin Tube with Open Tip	●	●	●	●
Smart Power	—	—	—	—
Audio streamer Smart Connect	○	○	○	—
Smart Remote remote control	○	○	○	—
Remote control Smart Key	○	○	○	○
Small earhook	○	○	○	○
AudioFix	○	○	○	○
Fitting Set - Thin Tube	○	○	○	○
Audio shoe	—	—	—	—
Audio shoe battery compartment	—	—	—	—
Battery compartment safety	—	—	—	—
AutoPhone set	—	—	—	—

APPS

Smart Connect app	○	○	○	—
> with AudioDirSelect	—	—	—	—
Smart Remote app	○	○	○	○
> with AudioDirSelect	—	—	—	—

PROGRAMMING

Programming adapter 312	●	●	●	●
Programming adapter 13	—	—	—	—
Programming adapter 675	—	—	—	—
Directly with cable for programming interface	—	—	—	—
ConnexxAir	●	●	●	—
ConnexxLink	●	●	●	—

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with earhook

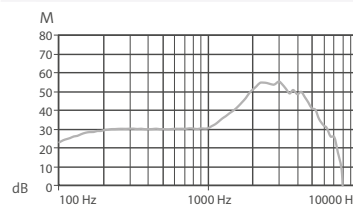
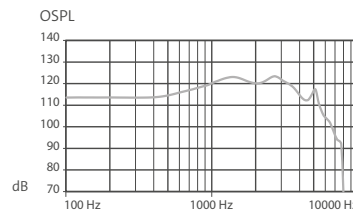
MAXIMUM POWER OUTPUT

LE = 90 dB

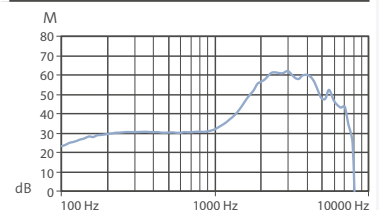
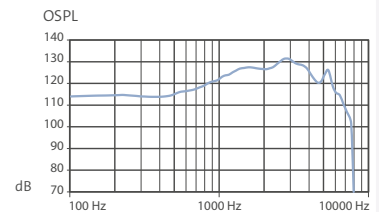
MAXIMUM AMPLIFICATION

Amplification at LE = 50 dB

IEC 60118-7:2005¹⁾
ANSI S3.22-2009¹⁾



IEC 60118-0²⁾



TECHNICAL INFORMATION

MAXIMUM POWER OUTPUT

Peak value at 90 dB	124 dB	132 dB
1,600 Hz (RTF)	123 dB	128 dB
Mean value at high frequencies	122 dB	122 dB

MAXIMUM ACOUSTIC AMPLIFICATION

Peak value at 50 dB	55 dB	62 dB
1,600 Hz (RTF)	42 dB	48 dB
Mean value at high frequencies	42 dB	40 dB
Reference test gain	55 dB	41 dB

TECHNICAL FEATURES

Battery type	312	312
Battery life in hours	124	124
Frequency range	100 – 7,100 Hz	1000 – 7,100 Hz
Battery consumption	0.90 mA	0.90 mA
Equivalent input sound pressure level of the inherent noise	20 dB	23 dB
Tinnitus Noiser, broadband	70 dB	
Distortion		
500 Hz	2%	2%
800 Hz	1%	1%
1,600 Hz	1%	1%

¹⁾ Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

²⁾ 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.

XS G4

with Thin Tube

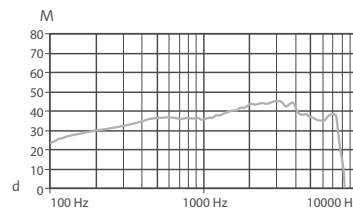
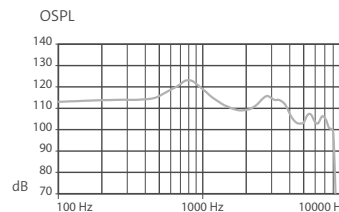
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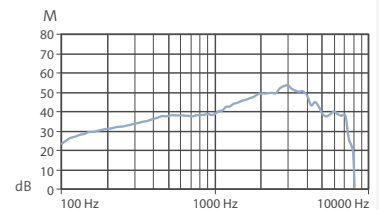
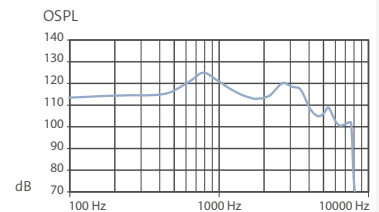
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IEC 60118-0²⁾



TECHNICAL INFORMATION

MAXIMUM POWER OUTPUT

Peak value at 90 dB	124 dB	125 dB
1,600 Hz (RTF)	109 dB	116 dB
Mean value at high frequencies	113 dB	119 dB

MAXIMUM ACOUSTIC AMPLIFICATION

Peak value at 50 dB	45 dB	53 dB
1,600 Hz (RTF)	40 dB	47 dB
Mean value at high frequencies	40 dB	43 dB
Reference test gain	37 dB	40 dB

TECHNICAL FEATURES

Battery type	312	312
Battery life in hours	124	124
Frequency range	100 – 7,100 Hz	280 – 7,100 Hz
Battery consumption	0.90 mA	0.90 mA
Equivalent input sound pressure level of the inherent noise	15 dB	15 dB
Tinnitus Noiser, broadband	70 dB	
Distortion		
500 Hz	1%	1%
800 Hz	1%	1%
1,600 Hz	2%	2%

¹⁾ Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

²⁾ Technical data measured in accordance with IEC 60118-0 at ear simulator



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For control ranges and more programming features see Hearing System Simulation of Connexx 8.4, AudioFit 8.4.5 or higher.