

BTE HEARING SYSTEMS

DUO G4

Tech Level 6 | 4



Original size



Tips



Audio Shell



Ear mold

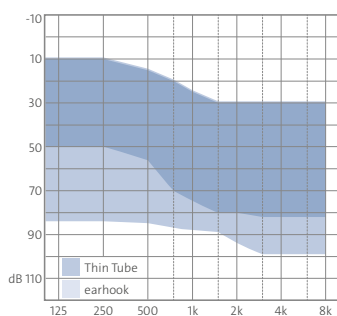
BATTERY: 13

AMPLIFICATION: 60 dB (EARHOOK) | 53 dB (THIN TUBE)

HOUSING COLORS

-  Beige
 -  Gray
 -  Silver
 -  Granite
-
-  Dark brown

FITTING RANGE



BASIC FEATURES

	Tech Level	6	4
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 (P) (can be activated/deactivated)		●	●
IP67-certified		●	●

SIGNAL PROCESSING

Anti-Feedback system		●	●
Noise Manager			
> Adaptive noise reduction		●	● (on/off)
> Wiener filter		●	● (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	6	4
Signal processing channels		16	16
Frequency channels		8	8
AGC channels		8	8
MPO channels		8	8
Hearing programs		4	4
> MusicSelect		—	—
> 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 set		○	○
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		●	●

* Battery charging function and AutoPhone, if supported by the hardware

P = Registered patent ● = Standard equipment ○ = optional — = not available

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with earhook

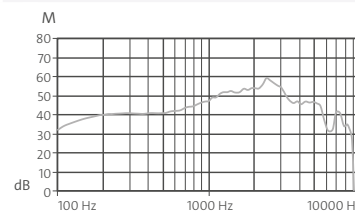
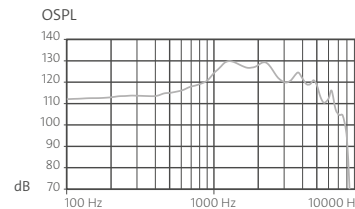
MAXIMUM POWER OUTPUT

LE = 90 dB

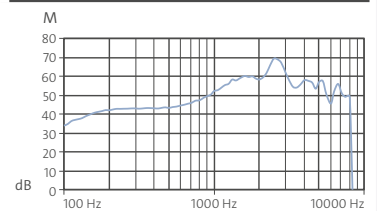
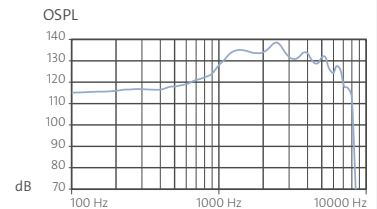
MAXIMUM AMPLIFICATION

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	130 dB	138 dB
1,600 Hz (RTF)	128 dB	133 dB
Mean value at high frequencies	126 dB	126 dB

MAXIMUM ACOUSTIC AMPLIFICATION

Peak value at 50 dB	60 dB	71 dB
1,600 Hz (RTF)	54 dB	60 dB
Mean value at high frequencies	54 dB	51 dB
Reference test gain	49 dB	53 dB

TECHNICAL FEATURES

Battery type	13	13
Battery life in hours	203	203
Frequency range	110 – 7,700 Hz	620 – 8,100 Hz
Battery consumption	1.00 mA	1.00 mA
Equivalent input sound pressure level of the inherent noise	16 dB	16 dB
Tinnitus Noiser, broadband	70 dB	
Listening coil sensitivity (1 mA/m)	80 dB	85 dB
Distortion		
500 Hz	2%	2%
800 Hz	2%	2%
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.



WARNING

The maximum output sound pressure level of the hearing systems can reach or exceed 132 dB SPL.
Risk of damage to the hearing of the wearer. Ensure that the hearing systems are fitted with care.

DUO G4

with Thin Tube

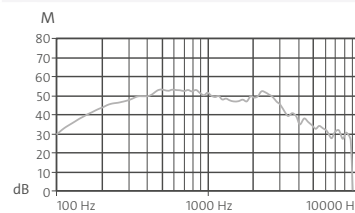
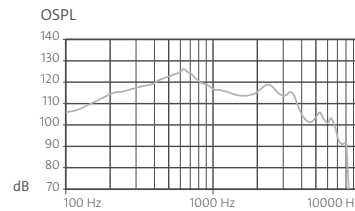
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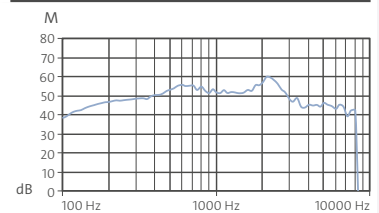
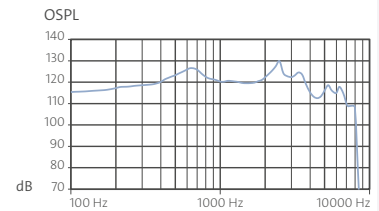
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IEC 60118-0²⁾



TECHNICAL INFORMATION

MAXIMUM POWER OUTPUT

Peak value at 90 dB	126 dB	130 dB
1,600 Hz (RTF)	113 dB	120 dB
Mean value at high frequencies	116 dB	122 dB

MAXIMUM ACOUSTIC AMPLIFICATION

Peak value at 50 dB	53 dB	61 dB
1,600 Hz (RTF)	48 dB	53 dB
Mean value at high frequencies	49 dB	54 dB
Reference test gain	39 dB	46 dB

TECHNICAL FEATURES

Battery type	13	13
Battery life in hours	185	185
Frequency range	100 – 8,100 Hz	100 – 8,100 Hz
Battery consumption	1.10 mA	1.10 mA
Equivalent input sound pressure level of the inherent noise	18 dB	18 dB
Tinnitus Noiser, broadband	70 dB	
Listening coil sensitivity (1 mA/m)	69 dB	76 dB
Distortion		
500 Hz	1%	1%
800 Hz	1%	1%
1,600 Hz	2%	2%

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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.