

DUO 16 G4

MINI-BTE WITH BATTERY SIZE 13



PRODUCT FEATURES

For open and closed fitting

BASIC FEATURES

Dual Energy Technology: optionally usable with rechargeable battery or battery

Deformable earhook

Battery compartment as on/off switch

Rocker switch, can be programmed as a program button, on/off switch, volume control, tone control, Tinnitus noiser level up/down

Level-dependent signal tones/melodies (activate/deactivate) for low battery voltage, program change, volume control, on/off function

Telephone coil

Personal-Color-Concept

Audiomatic power-on delay (P) (activate/deactivate)

IP67-certified

OPTIONS



Charger Smart Power

Audiostreamer Smart Connect

Remote Control Smart Remote

Remote Control Smart Key

Smart Connect App, with AudioDirSelect

Smart Remote App, with AudioDirSelect

AutoPhone Set

Small earhook

AudioFix

Fitting Set - Thin Tube

PROGRAMMING ADAPTER

Adapter 13

Art. No. 108 24 470

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)

➤ 2earPhone

➤ EchoClear / Dereverberation

Data Logging

Wireless

➤ AudioLink

➤ Binaural synchronization

➤ Wireless audio streaming optional

➤ CROS/BICROS

SIGNAL PROCESSING

Anti-Feedback system

Noise Manager

➤ Adaptive noise reduction

➤ Wiener filter

➤ Adaptive wind noise reduction, binaural

➤ 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

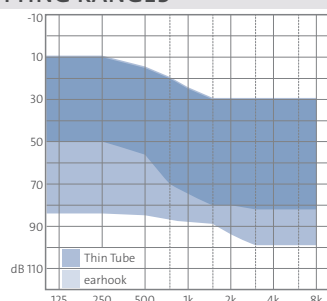
AUTOMATIC FUNCTIONS

Comfort365

Intelligent Acclimatic

Comformatic

FITTING RANGES



P = Patent

For more information about features please check out our website www.audioservice.com

DUO 16 G4

with earhook



Audio Service

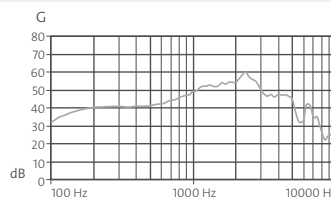
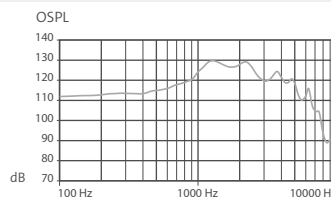
MAXIMUM OUTPUT

Input: 90 dB

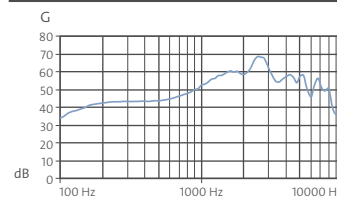
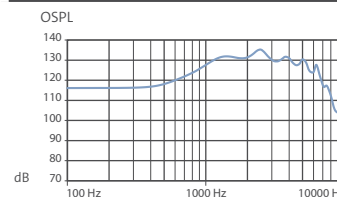
MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005¹⁾
ANSI S3.22-2009¹⁾



IEC 60118-0²⁾



TECHNICAL INFORMATION

MAXIMUM OUTPUT

Peak value at 90 dB	130 dB	138 dB
1,600 Hz (RTF)	128 dB	133 dB
HFA (High Frequency Average)	126 dB	126 dB

FULL ON GAIN

Peak value at 50 dB	60 dB	70 dB
1,600 Hz (RTF)	53 dB	60 dB
HFA (High Frequency Average)	52 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	120 – 8,200 Hz
Battery current consumption	1.00 mA	1.00 mA
Equivalent noise level	16 dB	16 dB
Tinnitus noiser broadband	70 dB	
Telecoil 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 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.

DUO 16 G4

with Thin Tube



Audio Service

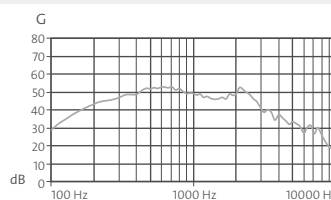
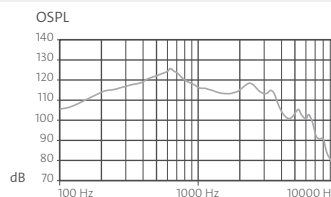
MAXIMUM OUTPUT

Input: 90 dB

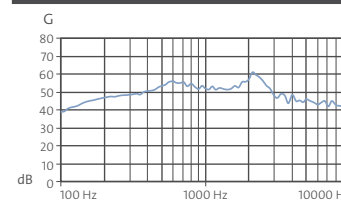
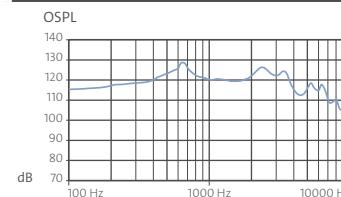
MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005¹⁾
ANSI S3.22-2009¹⁾



IEC 60118-0²⁾



TECHNICAL INFORMATION

MAXIMUM OUTPUT

Peak value at 90 dB	126 dB	130 dB
1,600 Hz (RTF)	113 dB	120 dB
HFA (High Frequency Average)	116 dB	122 dB

FULL ON GAIN

Peak value at 50 dB	53 dB	61 dB
1,600 Hz (RTF)	47 dB	53 dB
HFA (High Frequency Average)	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 – 9,600 Hz
Battery current consumption	1.10 mA	1.10 mA
Equivalent noise level	18 dB	18 dB
Tinnitus noiser broadband	70 dB	
Telecoil sensitivity (1 mA/m)	69 dB	76 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



WARNING

Small parts present a choking hazard.

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

For control ranges and more programming features see Hearing Instrument Simulation of Connexx 8.2 and AudioFit 8.2 or higher.

AS AUDIO-SERVICE GmbH · Alter Postweg 190 · 32584 Löhne · Germany
info@audioservice.com · www.audioservice.com

10.2016 / Subject to change without prior notice. Color deviation possible due to printing process.