

Product Information

Alpha XT 9|7|5 miniBTE T

Bernafon Alpha XT takes Hybrid Technology™ to new levels. The miniBTE T is a behind-the-ear hearing instrument designed for users with slight to severe hearing losses. It includes direct audio streaming, 2.4 GHz Bluetooth® Low Energy and NFMI technology,

a telecoil, and single push button for volume and program changes. The miniBTE T is available with the miniFit thin tube system, which includes a variety of domes and custom molds.

Earhook



AHXT 9|7|5 MNB T

miniFit 1.3 mm



AHXT 9|7|5 MNB T

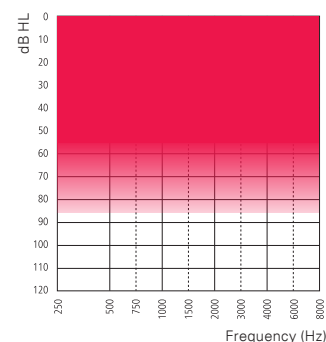
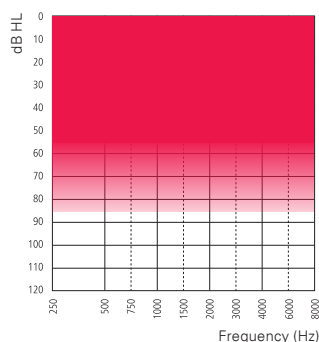
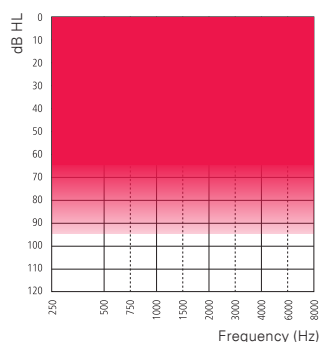
miniFit 0.9 mm



AHXT 9|7|5 MNB T

Made for
 iPhone | iPad | iPod

Works with
 android



Technical features

- Direct audio streaming (compatible with iOS and Android™ devices)
- Hands-free communication**
- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- Single push button
- Telecoil
- miniFit thin tube
- Hydrophobic coating
- IP68 rated
- LED visual indicator

Accessories*

- Bernafon App (compatible with iOS and Android devices)
- RC-A (remote control)
- TV-A (TV adapter)
- SoundClip-A
- Noahlink Wireless (wireless programming interface)

* Please refer to www.bernafon.com/hearing-aid-users/hearing-aids/connectivity for additional information and support.

** Available from FW 1.0 with select iPhone and iPad models.

Bernafon Alpha XT is a Made for iPhone, iPad, iPod hearing aid. Direct audio streaming for Android devices requires Android 10 or later, Bluetooth® 5.0 and an implementation of Audio Streaming for Hearing Aids (ASHA) on the Android device. For information on compatibility, please visit www.bernafon.com/hearing-aid-users/hearing-aids/connectivity.

Apple, the Apple logo, iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Demant A/S is under license. Other trademarks and trade names are those of their respective owners.

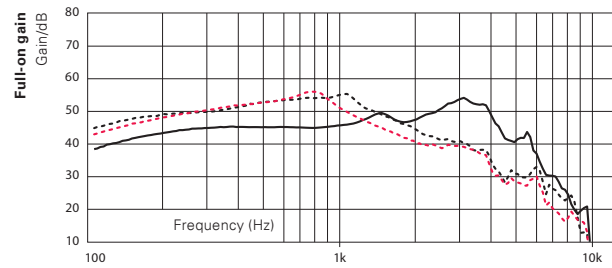
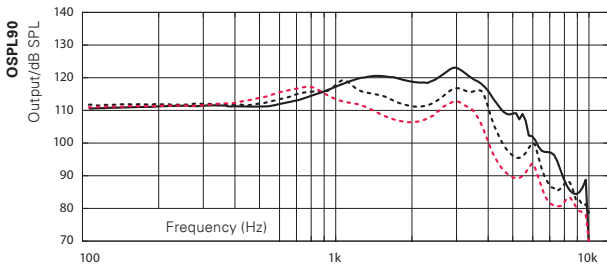
WARNING: No modification of this equipment is allowed.

bernafon 
Your hearing • Our passion

Alpha XT 9 miniBTE T

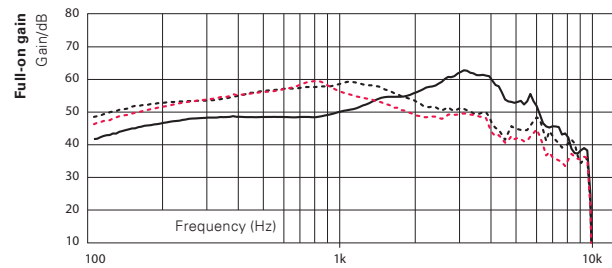
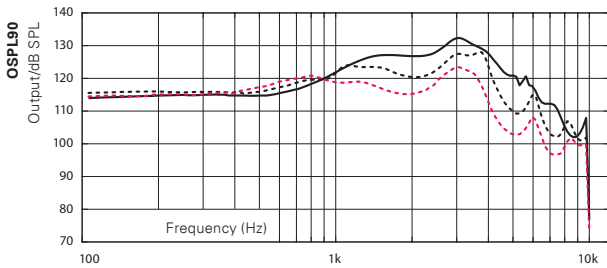
— Earhook
 - - - miniFit 1.3 mm
 ··· miniFit 0.9 mm

2CC COUPLER



	Earhook	miniFit 1.3 mm	miniFit 0.9 mm
OSPL90, Peak (dB SPL)	123	119	117
OSPL90, 1600 Hz (dB SPL)	120	114	108
OSPL90, HFA (dB SPL)	119	115	110
Full-on gain, Peak (dB)	54	55	56
Full-on gain, 1600 Hz (dB)	48	48	44
Full-on gain, HFA (dB)	48	48	44
Reference test gain (dB)	42	37	34
Quiescent Current (mA)	1.9	1.9	1.9
Operating Current (mA)	2.0	1.9	2.0
Battery Size	312	312	312
Distortion 500/800/1600 Hz (%)	<4/<3/<2	<4/<2/<2	<2/<2/<2
Frequency range (Hz)	100-7300	100-6300	100-6800
Equivalent Input Noise (dB SPL) ¹⁾	17	19	21
Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL)	79	85	84
Telecoil HFA SPLITS (dB SPL)	100	97	91

EAR SIMULATOR



	Earhook	miniFit 1.3 mm	miniFit 0.9 mm
OSPL90, Peak (dB SPL)	132	128	123
OSPL90, 1600 Hz (dB SPL)	127	123	116
OSPL90, HFA (dB SPL)	126	122	118
Full-on gain, Peak (dB)	63	59	59
Full-on gain, 1600 Hz (dB)	55	56	52
Full-on gain, HFA (dB)	55	55	52
Reference test gain (dB)	48	47	41
Quiescent Current (mA)	1.9	1.9	1.9
Operating Current (mA)	1.9	2.0	2.0
Battery Size	312	312	312
Distortion 500/800/1600 Hz (%)	<4/<4/<2	<5/<2/<2	<3/<2/<3
Frequency range (Hz)	100-9500	100-8800	100-9500
Equivalent Input Noise (dB SPL) ¹⁾	18	15	19
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	86	88	87

¹⁾ Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.

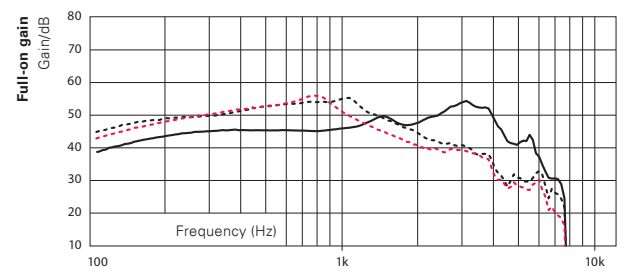
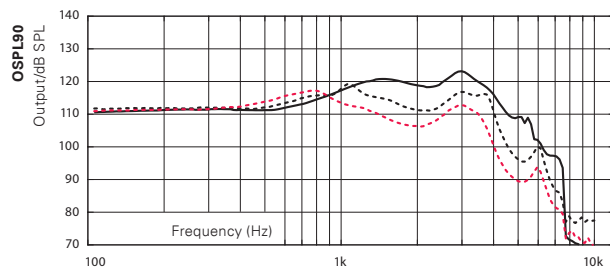
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

Full-on gain is measured with the gain control of the hearing instruments set to its full-on position minus 20 dB and with an input SPL of 70 dB.

This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

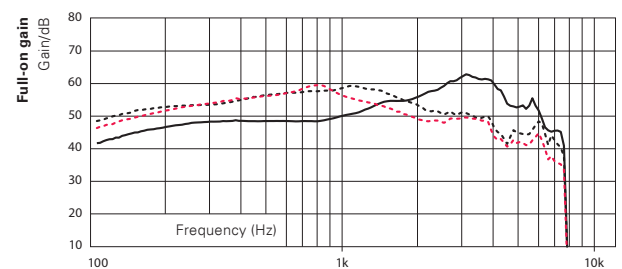
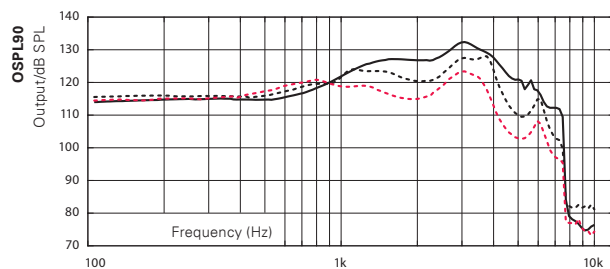
— Earhook
 - - - miniFit 1.3 mm
 ··· miniFit 0.9 mm

2CC COUPLER



	Earhook	miniFit 1.3 mm	miniFit 0.9 mm
OSPL90, Peak (dB SPL)	123	119	117
OSPL90, 1600 Hz (dB SPL)	121	114	108
OSPL90, HFA (dB SPL)	119	115	110
Full-on gain, Peak (dB)	54	55	56
Full-on gain, 1600 Hz (dB)	48	48	44
Full-on gain, HFA (dB)	48	48	44
Reference test gain (dB)	42	37	34
Quiescent Current (mA)	1.9	1.9	1.9
Operating Current (mA)	2.0	1.9	2.0
Battery Size	312	312	312
Distortion 500/800/1600 Hz (%)	<4/<3/<2	<4/<2/<2	<2/<2/<2
Frequency range (Hz)	100-7300	100-6300	100-6800
Equivalent Input Noise (dB SPL) ¹	17	19	21
Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL)	79	85	84
Telecoil HFA SPLITS (dB SPL)	100	97	91

EAR SIMULATOR



	Earhook	miniFit 1.3 mm	miniFit 0.9 mm
OSPL90, Peak (dB SPL)	132	128	123
OSPL90, 1600 Hz (dB SPL)	127	123	116
OSPL90, HFA (dB SPL)	126	122	118
Full-on gain, Peak (dB)	63	59	59
Full-on gain, 1600 Hz (dB)	55	56	52
Full-on gain, HFA (dB)	55	55	52
Reference test gain (dB)	48	47	41
Quiescent Current (mA)	1.9	1.9	1.9
Operating Current (mA)	1.9	2.0	2.0
Battery Size	312	312	312
Distortion 500/800/1600 Hz (%)	<4/<4/<2	<5/<2/<2	<3/<2/<3
Frequency range (Hz)	100-7500	100-7500	100-7500
Equivalent Input Noise (dB SPL) ¹	18	15	19
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	86	88	87

¹ Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.

Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

Full-on gain is measured with the gain control of the hearing instruments set to its full-on position minus 20 dB and with an input SPL of 70 dB.

This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

Feature overview

	Alpha XT 9	Alpha XT 7	Alpha XT 5
Hybrid Technology™			
Hybrid Sound Processing™			
Frequency bandwidth	10 kHz	8 kHz	8 kHz
Hybrid Balancing™			
Speech Balancer	3 options	2 options	-
Noise Balancer	4 options	2 options	-
Hybrid Noise Management™			
Smart Noise Reduction	4 options	4 options	3 options
Smart Directionality	4 options	4 options	4 options
Dynamic States	3 options	2 options	-
Omni States	2 options	2 options	-
Hybrid Feedback Canceller™			
Hybrid Sound Care™			
Wind Contact Noise Protector			
Speech			
Low Frequency Enhancer			
Frequency Composition ^{next}			
Comfort			
Binaural Noise Manager			-
Transient Noise Reduction	6 options	5 options	4 options
Dynamic Range Extender			-
Soft Noise Manager			
Directionality controls			
Dynamic			
Adaptive Full Directionality			
Fixed Directionality			
Fixed Omni			
Omni Directional			-
True Directionality Plus			-
Individualization			
Personalization			
Fitting bands	24	20	18
Program options/memories	13/4	12/4	12/4
Music Experience			
Binaural coordination: VC, program changes			
Automatic Adaptation Manager			
Transition	4 options	3 options	2 options
Data Logging			
Conversation Data			
Spoken indicators			
Tinnitus SoundSupport			
CROS compatibility			

Alpha XT MNB T can be programmed with Oasis^{next} 2023.1 or higher

Operating conditions

Temperature: +1°C to +40°C (34°F to 104°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage.

Transportation

Temperature: -25°C to +60°C (-13°F to 140°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

Storage

Temperature: -25°C to +60°C (-13°F to 140°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

 **SBO Hearing A/S**
 Kongebakken 9
 DK-2765 Smørum
 Denmark

IP68