

Product information

Alpha 9|7|5|3|1 miniBTE T R

Bernafon Alpha is the first hearing instrument with Hybrid Technology™. The miniBTE T R is an easy-to-use, rechargeable hearing instrument with a Li-ion battery to provide power for a full day of use, including direct audio streaming. It is a behind-the-ear hearing instrument designed for users with slight to

moderately severe hearing losses. It includes 2.4 GHz Bluetooth® Low Energy and NFMI technology, a telecoil, and single push button for volume and program changes. The miniBTE T R is available with the miniFit thin tube system, which includes a variety of domes and custom molds.

EARHOOK



AH 9|7|5|3|1 MNB T R

MINIFIT 0.9 MM



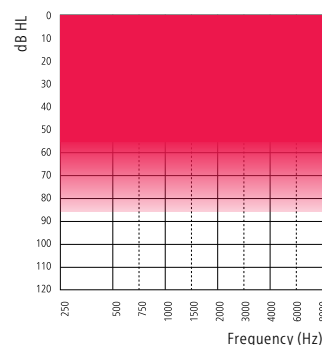
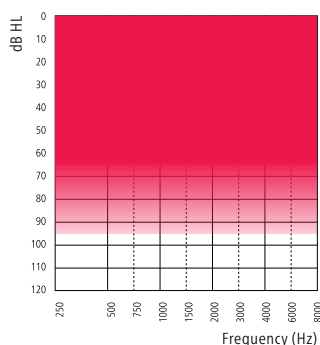
AH 9|7|5|3|1 MNB T R

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

Bernafon Alpha 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.

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

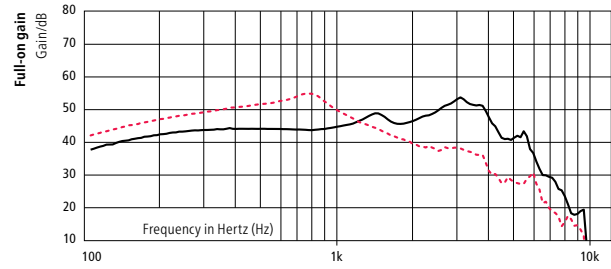
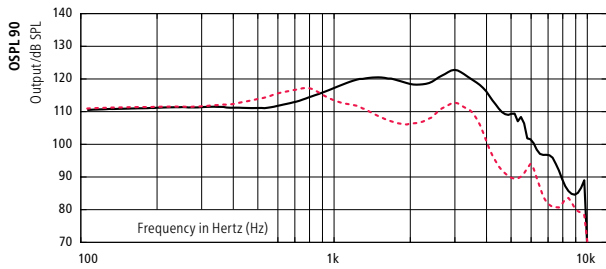
** Available from FW 1.3 with selected iPhone models.

bernafon®
Your hearing • Our passion

Alpha 9 miniBTE T R

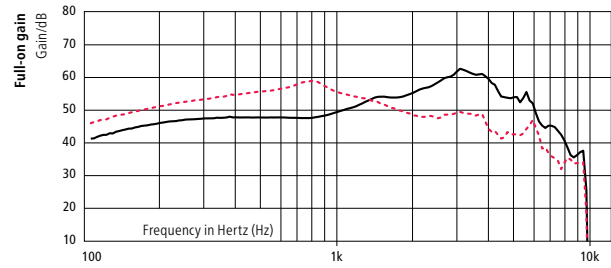
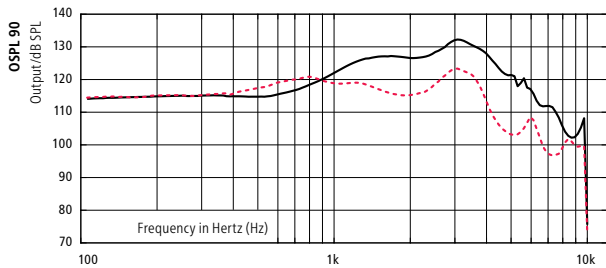
— Earhook
 - - - Thin tube 0.9 mm

2CC COUPLER



	EARHOOK	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	123	117
OSPL90, 1600 Hz (dB SPL)	120	108
OSPL90, HFA (dB SPL)	119	110
Full-on Gain, Peak (dB)	54	55
Full-on Gain, 1600 Hz (dB)	47	43
Full-on Gain, HFA (dB)	47	43
Reference Test Gain (dB)	41	33
Battery	Li-ion	Li-ion
Expected operating time, hours ¹⁾	24 h	
Distortion 500/800/1600 Hz (%)	<4/<3/<2	<2/<2/<2
Frequency Range (Hz)	100-7300	100-6800
Equivalent Input Noise ²⁾ (dB SPL)	17	21
Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL)	78	84
Telecoil HFA SPLITS (dB SPL)	99	91

EAR SIMULATOR



	EARHOOK	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	132	123
OSPL90, 1600 Hz (dB SPL)	127	116
OSPL90, HFA (dB SPL)	126	118
Full-on Gain, Peak (dB)	63	59
Full-on Gain, 1600 Hz (dB)	54	51
Full-on Gain, HFA (dB)	54	51
Reference Test Gain (dB)	47	40
Battery	Li-ion	Li-ion
Expected operating time, hours ¹⁾	24 h	
Distortion 500/800/1600 Hz (%)	<4/<4/<2	<3/<2/<3
Frequency Range (Hz)	100-9500	100-9500
Equivalent Input Noise ²⁾ (dB SPL)	19	19
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	85	87

¹⁾ Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

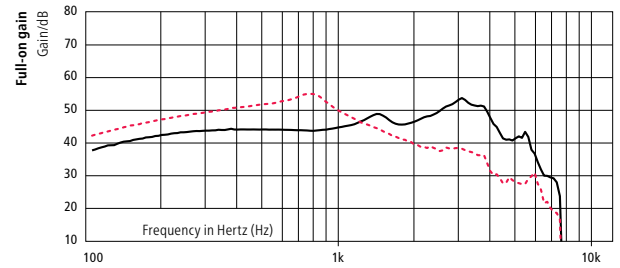
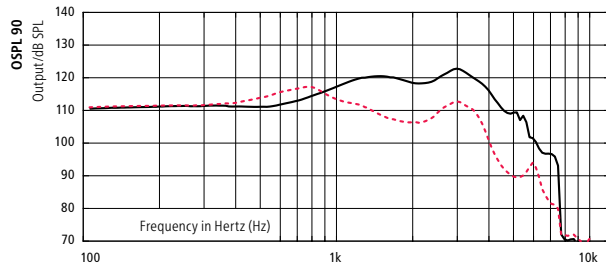
²⁾ Technical data measured with expansion, corresponding to the test box measurement settings.

"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.

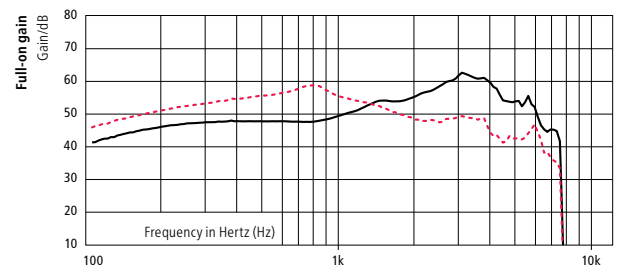
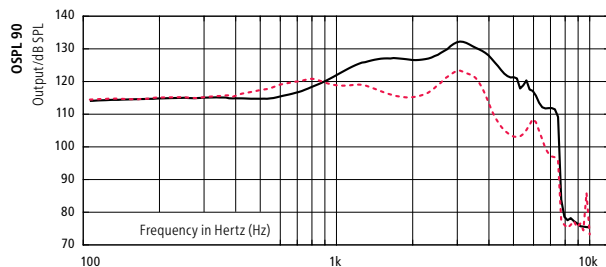
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Battery	Li-ion	Li-ion
Expected operating time, hours ¹⁾	24 h	
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Reference Test Gain (dB)	47	40
Battery	Li-ion	Li-ion
Expected operating time, hours ¹⁾	24 h	
Distortion 500/800/1600 Hz (%)	<4/<4/<2	<3/<2/<3
Frequency Range (Hz)	100-7500	100-7500
Equivalent Input Noise ²⁾ (dB SPL)	19	19
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	85	87

¹⁾ Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

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Feature overview

	Alpha 9	Alpha 7	Alpha 5	Alpha 3	Alpha 1
Hybrid Technology™					
Hybrid Sound Processing™					
Frequency bandwidth	10 kHz	8 kHz	8 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	3 options	2 options
Smart Directionality	4 options	4 options	4 options	4 options	3 options
Dynamic States	3 options	2 options	–	–	–
Omni States	2 options	2 options	–	–	–
Hybrid Feedback Canceller™					
Speech					
Low Frequency Enhancer	●	●	●	●	●
Frequency Composition SM	●	●	●	●	●
Comfort					
Binaural Noise Manager	●	●	–	–	–
Transient Noise Reduction	4 options	3 options	3 options	2 options	–
Wind Noise Manager	●	●	●	●	●
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	14	12
Program options/memories	13/4	12/4	12/4	10/4	8/4
Music Experience	●	●	●	●	–
Binaural coordination: VC, program change	●	●	●	●	●
Automatic Adaptation Manager	●	●	●	●	●
Transition	4 options	3 options	2 options	●	●
Data Logging	●	●	●	●	●
Tinnitus SoundSupport	●	●	●	●	●
CROS compatibility	●	●	●	●	●

Alpha MNB T R can be programmed with OasisSM 2022.1.0 or higher

Operating conditions of miniBTET R

- Temperature: +5 °C to +40 °C (+41 °F to +104 °F)
- Humidity: 5 % to 93 %, 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

Transport:

- Temperature: –20 °C to +60 °C (–4 °F to 140 °F)
- Relative humidity: 5 % to 93 %, non-condensing
- Atmospheric pressure: 700 hPa to 1060 hPa

Storage:

- Temperature: –20 °C to +30 °C (–4 °F to 86 °F)
- Relative humidity: 5 % to 93 %, non-condensing
- Atmospheric pressure: 700 hPa to 1060 hPa

Charger, miniBTE T R

The charger for Alpha miniBTE T R uses inductive technology that allows contactless charging of two hearing instruments via induction coil. Furthermore, the magnetic connection in the charger prevents the hearing

instruments from falling out. When the hearing instruments are inserted into the charger, it automatically starts charging. The hearing instruments turn ON when they are removed from the charger.



Packaging set

- Travel pouch
- Instructions for use
- Power supply plug

Charging time of lithium-ion battery

- 3.5 h = Fully charged
- 1 h = 40 % charged
- 30 min = 20 % charged

¹ Power plug will vary from country to country

Charger, miniBTE T R – Technical data

Charger, miniBTE T R

Designed for/compatibility	Alpha, miniBTE T R
Dimensions	Ø95 mm /total height of 39 mm
Weight	135 grams (5 oz)
Color	Black
Power supply plug	USB A
Status indications	LED on charger indicates Charger ON/OFF status LED on hearing instrument indicates charging status
Charging time of hearing instruments	Max 3.5 hours depending on initial state of the battery (Temperature: +10 °C to +35 °C (+50 °F to +95 °F)) Max 5 hours depending on initial state of the battery (Temperature: +5 °C to +10 °C (+41 °F to +50 °F) / +35 °C to +38 °C (+95 °F to +100 °F))
Power source	Supplied power supply unit
Input voltage	5 V DC
Input current	< 0.2 A (charging two hearing instruments) <10 mA stand-by (no hearing instruments inserted)
Cable	Fixed mounted cable / 150 cm
Connected to external equipment	When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC-62368 (or IEC-60065, IEC-60950 until June 20, 2019) or equivalent safety standards.

Conditions of use

Operating conditions	Temperature: +5 °C to +38 °C (+41 °F to +100 °F) Relative humidity: 5 % to 93 %, non-condensing
Storage and transportation conditions	Temperature: –25 °C to +70 °C (–13 °F to +158 °F) Relative humidity: 5 % to 93 %, non-condensing
Atmospheric pressure	700 hPa to 1060 hPa

Technical data: Power supply unit

Power supply unit	AN05x – 050A
Input voltage	100 – 240 V AC
Input current	0.2 A
Input frequency	50 – 60 Hz
Output voltage	5 V DC
Output current	1 A



Manufacturer

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