Product Information

Alpha XT 9|7|5 miniRITE T R

Bernafon Alpha XT takes Hybrid Technology™ to new levels. The miniRITE 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 receiver-in-the-ear hearing instrument designed for users with slight to profound hearing losses. It includes 2.4 GHz Bluetooth® Low Energy and NFMI technology, a telecoil, and double push button for volume and program changes. The miniRITE T R is available with the miniFit speaker system, which includes four power levels and a variety of domes and custom molds.

Speaker 60

AHXT 9|7|5 MNR T R

Speaker 85

AHXT 9|7|5 MNR T R

Speaker 100

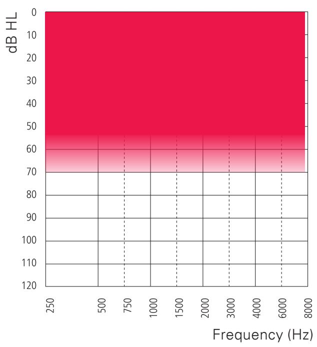
AHXT 9|7|5 MNR T R

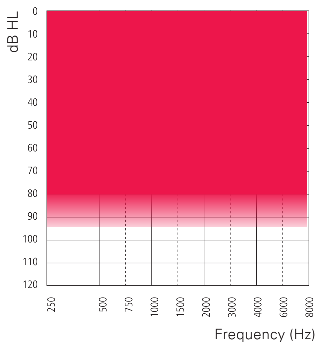
Speaker 105

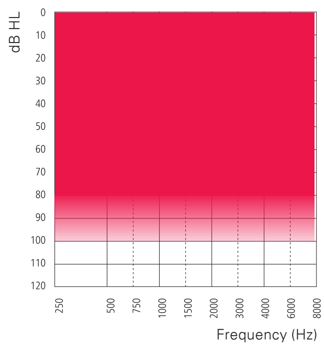
AHXT 9|7|5 MNR T R

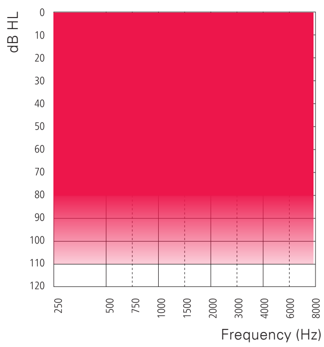
Made for iPhone | iPad | iPod

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)
- Double push button
- Telecoil
- miniFit speakers
- 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.

WARNING: No modification of this equipment is allowed.

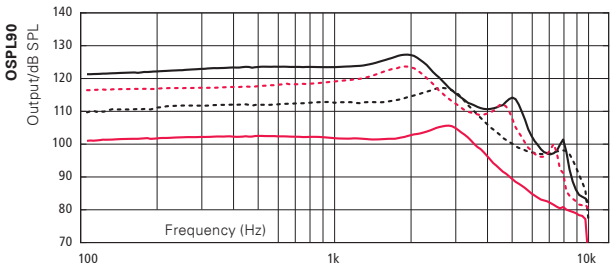
bernafon

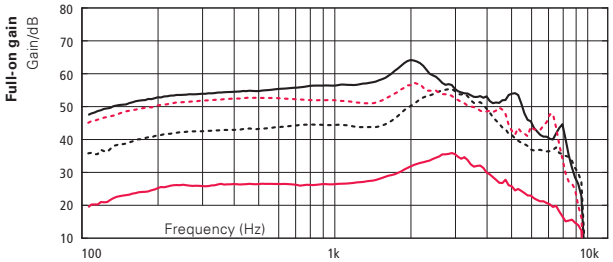
Your hearing • Our passion

Alpha XT 9 miniRITE T R

Speaker 60 **Speaker 85** **Speaker 100** **Speaker 105**

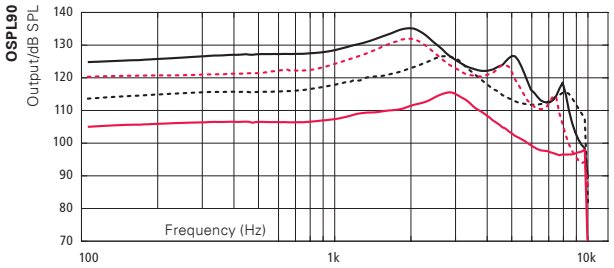
2CC COUPLER

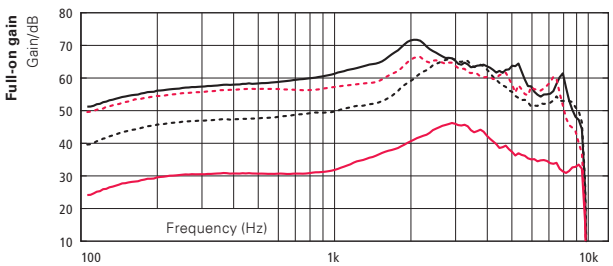




	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	106	117	124	127
OSPL90, 1600 Hz (dB SPL)	102	113	122	126
OSPL90, HFA (dB SPL)	103	114	120	123
Full-on gain, Peak (dB)	36	55	57	64
Full-on gain, 1600 Hz (dB)	29	45	52	59
Full-on gain, HFA (dB)	30	48	53	58
Reference test gain (dB)	26	37	42	47
Battery	Li-ion	Li-ion	Li-ion	Li-ion
Expected operating time, hours[1]	24	24	24	24
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency range (Hz)	100-9400	100-8900	100-7500	100-7900
Equivalent Input Noise (dB SPL)[2]	17	18	16	16
Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL)	59	76	86	89
Telecoil HFA SPLITS (dB SPL)	83	94	100	105

EAR SIMULATOR





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OSPL90, Peak (dB SPL)	116	127	132	135
OSPL90, 1600 Hz (dB SPL)	110	121	130	133
OSPL90, HFA (dB SPL)	110	122	127	131
Full-on gain, Peak (dB)	46	66	66	72
Full-on gain, 1600 Hz (dB)	37	53	60	66
Full-on gain, HFA (dB)	38	56	61	65
Reference test gain (dB)	31	46	53	58
Battery	Li-ion	Li-ion	Li-ion	Li-ion
Expected operating time, hours[1]	24	24	24	24
Distortion 500/800/1600 Hz (%)	<2/<3/<2	<2/<4/<5	<9/<6/<3	<2/<2/<4
Frequency range (Hz)	100-9600	100-9500	100-8900	100-9100
Equivalent Input Noise (dB SPL)[2]	18	21	17	16
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	68	84	91	96

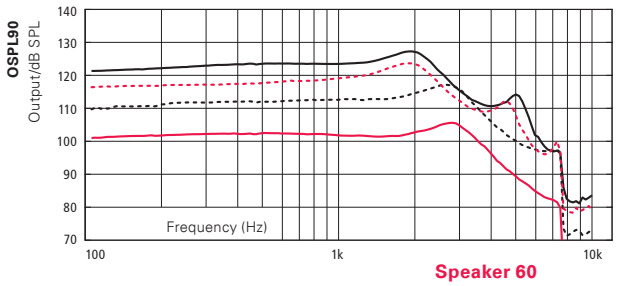
[1] Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

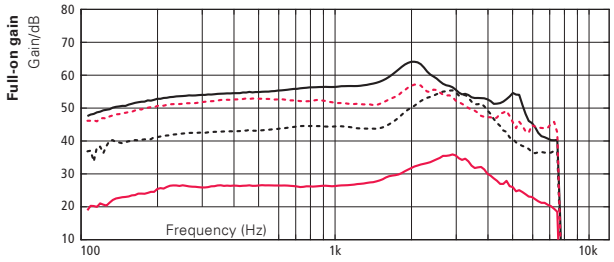
[2] Technical data measured with expansion, corresponding to the test box measurement settings. "2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010. Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, 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.

Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

Speaker 60 Speaker 85 Speaker 100 Speaker 105

2CC COUPLER





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Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency range (Hz)	100-7500	100-7500	100-7500	100-7500
Equivalent Input Noise (dB SPL)[2]	17	18	17	16
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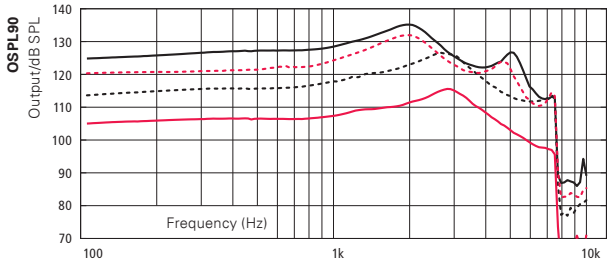

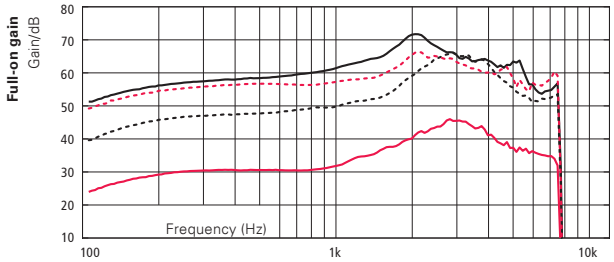

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Battery	Li-ion	Li-ion	Li-ion	Li-ion
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Distortion 500/800/1600 Hz (%)	<2/<3/<2	<2/<4/<5	<9/<6/<3	<2/<2/<4
Frequency range (Hz)	100-7500	100-7500	100-7500	100-7500
Equivalent Input Noise (dB SPL)[2]	19	22	17	16
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	68	84	91	96

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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^{nxt}	•	•	•
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 MNR T R can be programmed with Oasis^{nxt} 2023.1 or higher

Operating and charging conditions
Temperature: +5°C to +40°C (41°F to 104°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

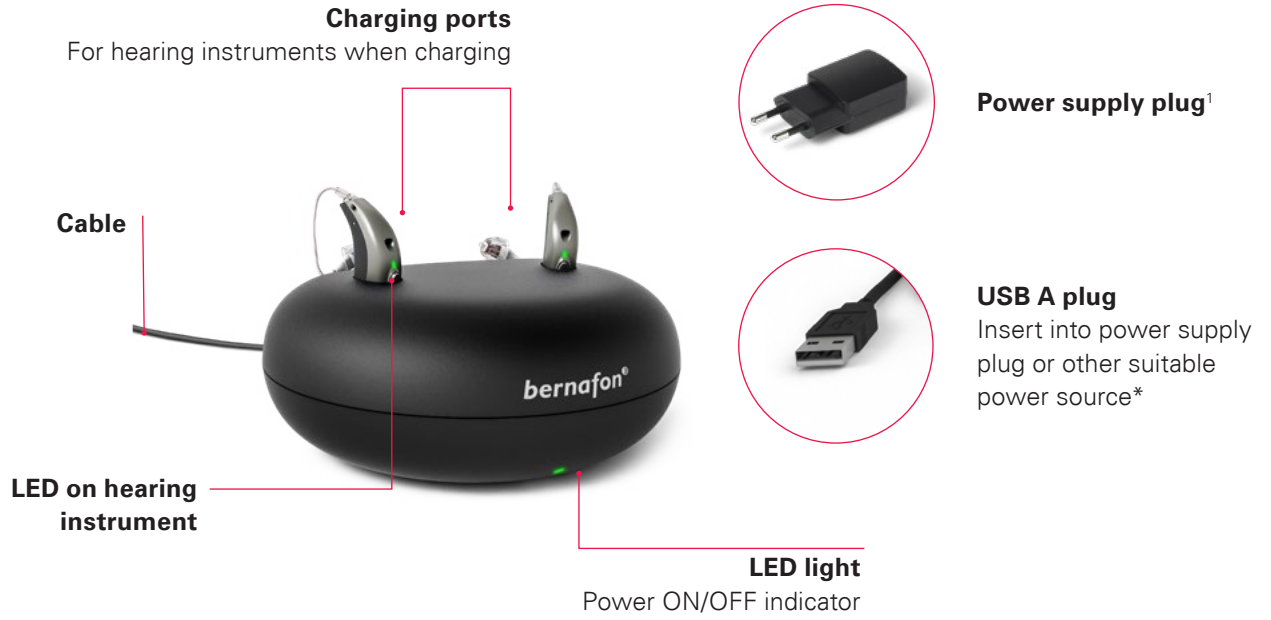
Storage and transportation conditions
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage.

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

Storage
Temperature: -20°C to +30°C (-4°F to 86°F)
Humidity: 5% to 93% relative humidity, non-condensingg
Atmospheric pressure: 700 hPa to 1060 hPa

Charger, miniRITE T R

The charger for Alpha XT miniRITE 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 h = Fully charged
- 1 h = 50 % charged
- 30 min = 25 % charged

1 Power plug will vary from country to country

* USB 2.0 high power (500 mA output) required

Charger, miniRITE T R – Technical data

Charger, miniRITE T R	
Designed for/compatibility	Alpha, Alpha XT, miniRITE 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 hours depending on initial state of the battery (Temperature: +10 °C to +35 °C (+50 °F to +95 °F)) Max 4 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

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Bernafon is part of the Demant Group.

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Your hearing · Our passion