

# Product Information

## PICO RITE

**Pico RITE is a tiny receiver-in-the-ear hearing aid, suitable for users with mild to profound hearing losses.** Pico RITE comes with the miniFit speaker and dome system, including four different speakers and a

variety of domes and custom molds. Pico RITE features Audio Efficiency™, Bernafon's proprietary central technology system. Plus, Pico RITE is compatible with all Bernafon wireless accessories.

### PICO RITE 60-SPEAKER



JU 9|7 PR  
SA 5|3 PR  
NE 1 PR

### PICO RITE 85-SPEAKER



JU 9|7 PR  
SA 5|3 PR  
NE 1 PR

### PICO RITE 100-SPEAKER



JU 9|7 PR  
SA 5|3 PR  
NE 1 PR

### PICO RITE 105-SPEAKER



JU 9|7 PR  
SA 5|3 PR  
NE 1 PR

## Audio Efficiency™\*

### Speech

- ChannelFree™
- Speech Cue Priority™
- Frequency Composition™
- True Directionality™
- i-VC

### Comfort

- Adaptive Feedback Canceller Plus
- Adaptive Noise Reduction Plus
- Transient Noise Reduction
- Reverb Reduction
- Binaural Coordination

### Individualization

- Live Music and Cinema Programs
- Comfort in Airplane Program
- Wireless Connectivity
- Language Specific Targets
- REMfit™

## Additional Features\*

### Technical Features

- Digital signal processing up to 10 kHz
- Multi-Environment Program
- Environment Optimizer
- Auto Telephone (detection)
- Hydrophobic coating
- Dust and water protection (IP58)

### Customization Features

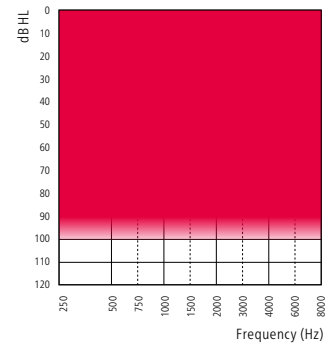
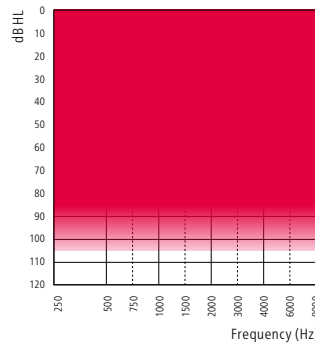
- Data Logging
- Data Learning
- VC Learning Limits and Smart VC
- Up to 14 listening program options
- 4 freely-assignable program slots

\* Not all features are available in all categories



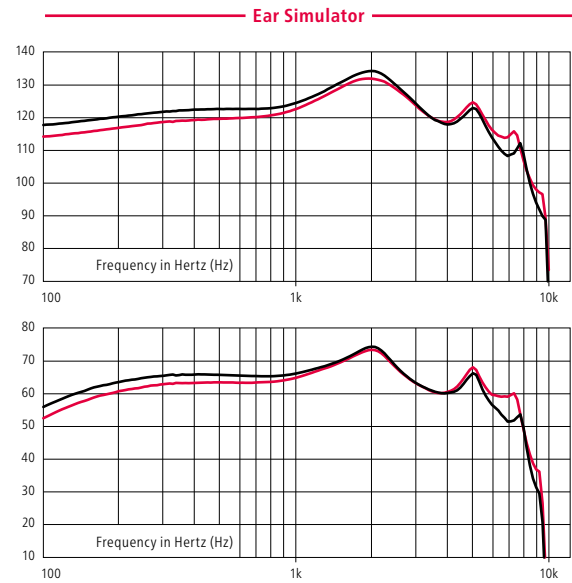
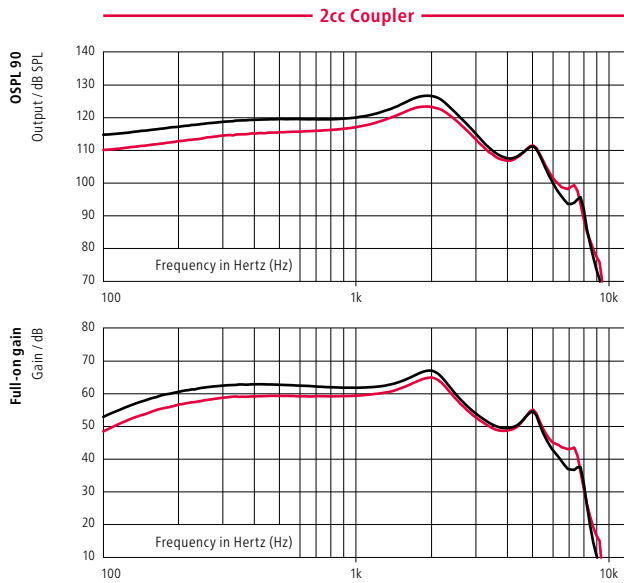
Fitting Range - PR with 105-Speaker

Fitting Range - PR with 100-Speaker



— 105-Speaker  
— 100-Speaker

This device contains:  
FCC ID: U6XF2RITE3  
IC: 7031A-F2RITE3



	<b>2cc Coupler</b>		<b>Ear Simulator</b>	
	<b>105-SPEAKER</b>	<b>100-SPEAKER</b>	<b>105-SPEAKER</b>	<b>100-SPEAKER</b>
OSPL90, Peak (dB SPL)	127	123	134*	132*
OSPL90, 1600 Hz (dB SPL)	125	122	132*	130
OSPL90, HFA (dB SPL)	122	119	—	—
Full-on Gain, Peak (dB)	67	65	74	73
Full-on Gain, 1600 Hz (dB)	64	62	71	70
Full-on Gain, HFA (dB)	62	60	—	—
Reference Test Gain (dB)	46	44	57	57
Quiescent Current (mA)	1.2	1.3	1.2	1.3
Operating Current (mA)	1.4	1.6	1.3	1.4
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<3	<5/<3/<3
Frequency Range (Hz)	100 – 6300	100 – 7700	—	—
Equivalent Input Noise <sup>1)</sup> , dB(A)	18	17	16	15
Program Button	●**	—	●**	—
Volume Control	**	—	**	—
Telecoil	—	—	—	—
Auto Telephone Detection	●	—	●	—
Battery Size	312	—	312	—
Microphone System	dir	—	dir	—
RC-N Remote Control	○	—	○	—
SoundGate 3 (Bluetooth®)	○	—	○	—
SoundGate Mic	○	—	○	—
TV Adapter 2	○	—	○	—
Phone Adapter 2	○	—	○	—

● standard ○ optional

<sup>1)</sup> 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.

\*Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

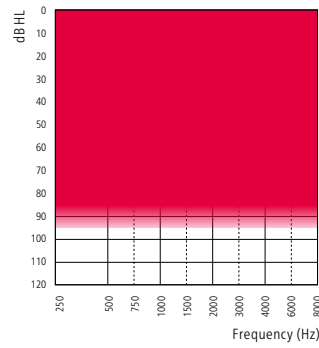
\*\*Push button can be programmed for volume control use



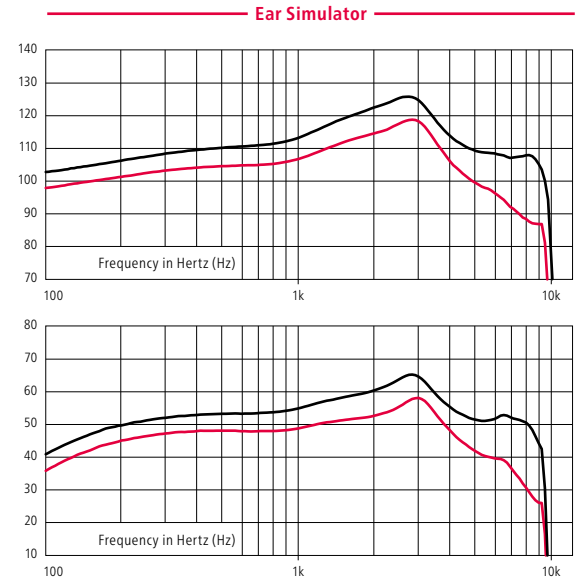
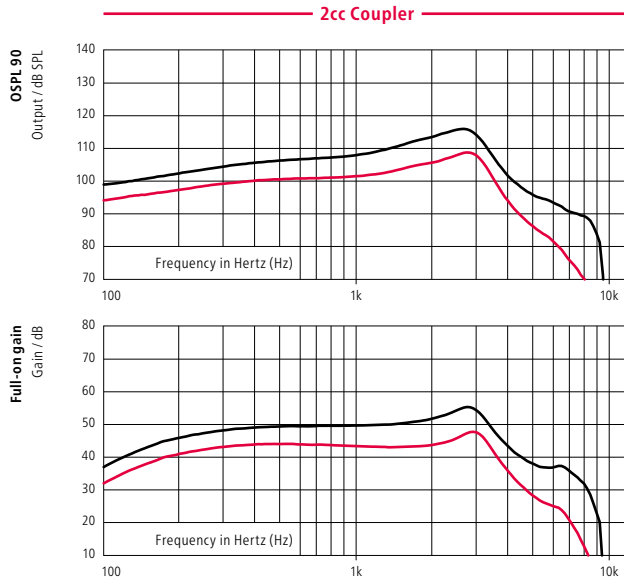
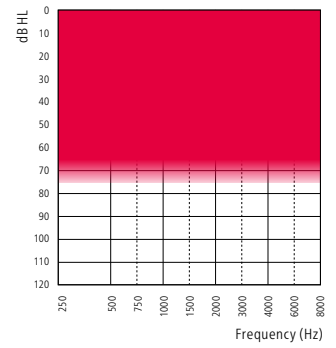
— 85-Speaker  
— 60-Speaker

This device contains:  
FCC ID: U6XF2RITE3  
IC: 7031A-F2RITE3

Fitting Range - PR with 85-Speaker



Fitting Range - PR with 60-Speaker



	<b>2cc Coupler</b>		<b>Ear Simulator</b>	
	<b>85-SPEAKER</b>	<b>60-SPEAKER</b>	<b>85-SPEAKER</b>	<b>60-SPEAKER</b>
OSPL90, Peak (dB SPL)	116	109	126	119
OSPL90, 1600 Hz (dB SPL)	111	104	120	112
OSPL90, HFA (dB SPL)	112	105	-	-
Full-on Gain, Peak (dB)	55	48	65	58
Full-on Gain, 1600 Hz (dB)	50	43	59	51
Full-on Gain, HFA (dB)	51	44	-	-
Reference Test Gain (dB)	36	28	45	37
Quiescent Current (mA)	1.2	1.2	1.2	1.2
Operating Current (mA)	1.5	1.3	1.3	1.3
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<5/<5/<2
Frequency Range (Hz)	100 – 8200	100 – 6500	-	-
Equivalent Input Noise <sup>1)</sup> , dB(A)	17	17	20	19
Program Button	●**	-	●**	-
Volume Control	-	**	-	**
Telecoil	-	-	-	-
Auto Telephone Detection	●	-	●	-
Battery Size	312	-	312	-
Microphone System	-	dir	-	dir
RC-N Remote Control	-	○	-	○
SoundGate 3 (Bluetooth®)	-	○	-	○
SoundGate Mic	-	○	-	○
TV Adapter 2	-	○	-	○
Phone Adapter 2	-	○	-	○

● standard ○ optional

<sup>1)</sup> 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.

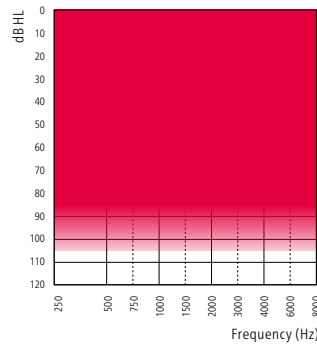
\*\*Push button can be programmed for volume control use



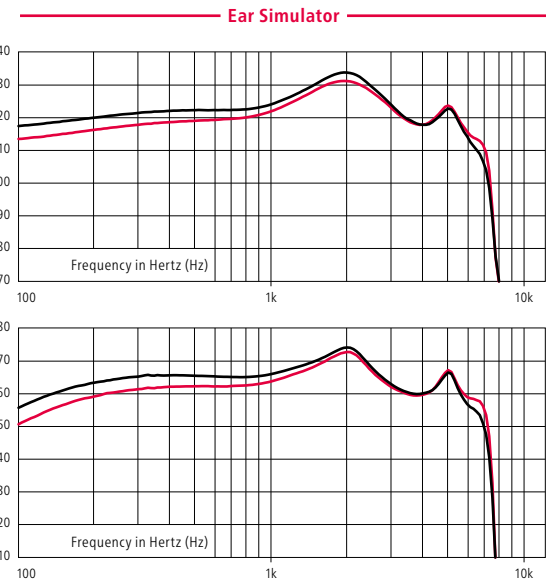
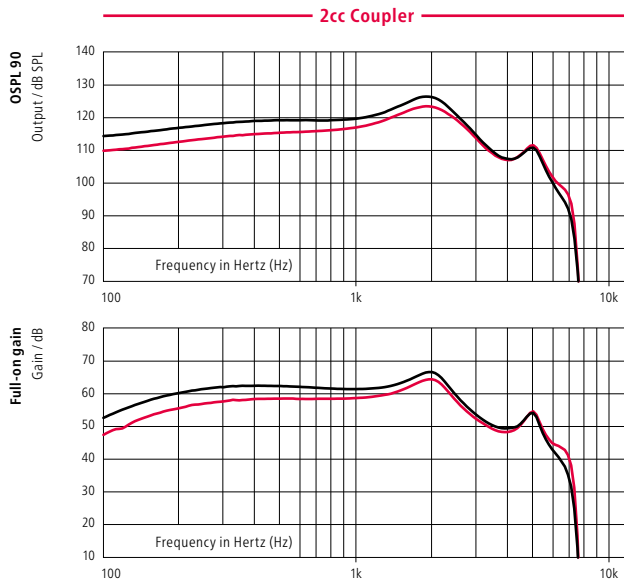
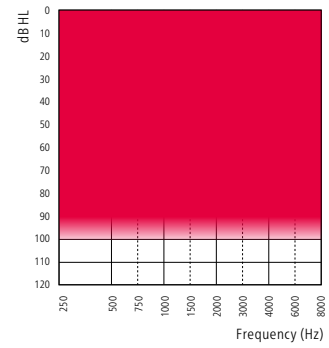
— 105-Speaker  
— 100-Speaker

This device contains:  
FCC ID: U6XF2RITE3  
IC: 7031A-F2RITE3

Fitting Range - PR with 105-Speaker



Fitting Range - PR with 100-Speaker



	<b>2cc Coupler</b>		<b>Ear Simulator</b>	
	<b>105-SPEAKER</b>	<b>100-SPEAKER</b>	<b>105-SPEAKER</b>	<b>100-SPEAKER</b>
OSPL90, Peak (dB SPL)	126	123	134*	131
OSPL90, 1600 Hz (dB SPL)	124	122	131	129
OSPL90, HFA (dB SPL)	121	119	—	—
Full-on Gain, Peak (dB)	67	64	74	73
Full-on Gain, 1600 Hz (dB)	64	62	71	69
Full-on Gain, HFA (dB)	61	59	—	—
Reference Test Gain (dB)	45	44	57	55
Quiescent Current (mA)	1.2	1.3	1.2	1.3
Operating Current (mA)	1.4	1.6	1.3	1.4
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<3	<4/<2/<3
Frequency Range (Hz)	100 – 6300	100 – 7100	—	—
Equivalent Input Noise <sup>1)</sup> , dB(A)	18	18	15	15
Program Button	●**		●**	
Volume Control	**		**	
Telecoil	—		—	
Auto Telephone Detection	●		●	
Battery Size	312		312	
Microphone System	dir		dir	
RC-N Remote Control	○		○	
SoundGate 3 (Bluetooth®)	○		○	
SoundGate Mic	○		○	
TV Adapter 2	○		○	
Phone Adapter 2	○		○	

● standard ○ optional

<sup>1)</sup> 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.

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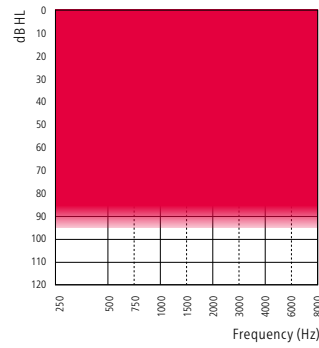
\*\*Push button can be programmed for volume control use



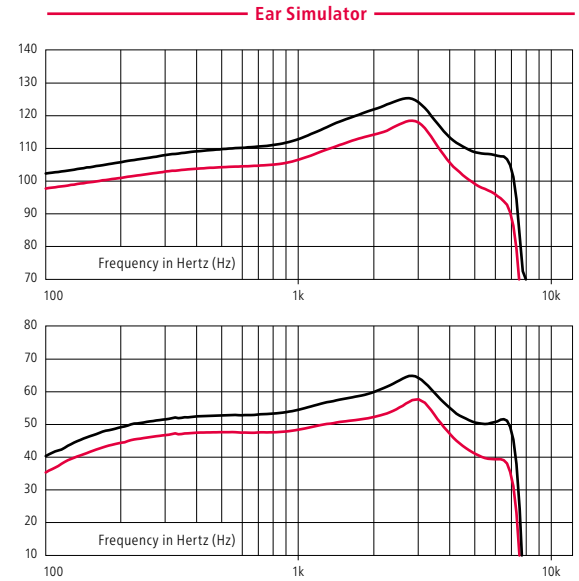
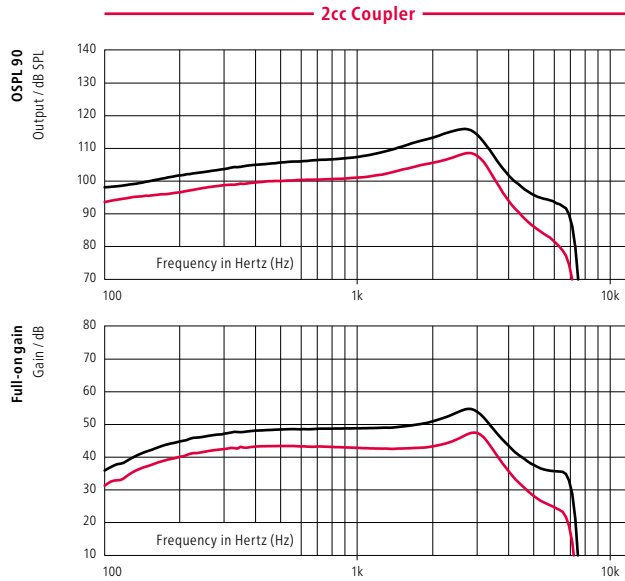
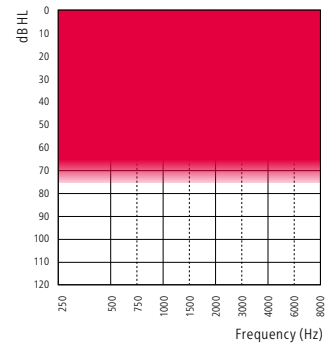
— 85-Speaker  
— 60-Speaker

This device contains:  
FCC ID: U6XF2RITE3  
IC: 7031A-F2RITE3

Fitting Range - PR with 85-Speaker



Fitting Range - PR with 60-Speaker



	<b>2cc Coupler</b>		<b>Ear Simulator</b>	
	<b>85-SPEAKER</b>	<b>60-SPEAKER</b>	<b>85-SPEAKER</b>	<b>60-SPEAKER</b>
OSPL90, Peak (dB SPL)	116	109	125	118
OSPL90, 1600 Hz (dB SPL)	111	104	119	112
OSPL90, HFA (dB SPL)	111	104	-	-
Full-on Gain, Peak (dB)	55	47	65	58
Full-on Gain, 1600 Hz (dB)	50	43	58	51
Full-on Gain, HFA (dB)	51	44	-	-
Reference Test Gain (dB)	35	28	44	37
Quiescent Current (mA)	1.3	1.2	1.3	1.2
Operating Current (mA)	1.5	1.3	1.3	1.3
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<5/<5/<2
Frequency Range (Hz)	100 – 7100	100 – 6500	-	-
Equivalent Input Noise <sup>1)</sup> , dB(A)	18	18	19	19
Program Button	●**	-	●**	-
Volume Control	-	**	-	**
Telecoil	-	-	-	-
Auto Telephone Detection	●	-	●	-
Battery Size	312	-	312	-
Microphone System	dir	-	dir	-
RC-N Remote Control	○	-	○	-
SoundGate 3 (Bluetooth®)	○	-	○	-
SoundGate Mic	○	-	○	-
TV Adapter 2	○	-	○	-
Phone Adapter 2	○	-	○	-

● standard ○ optional

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

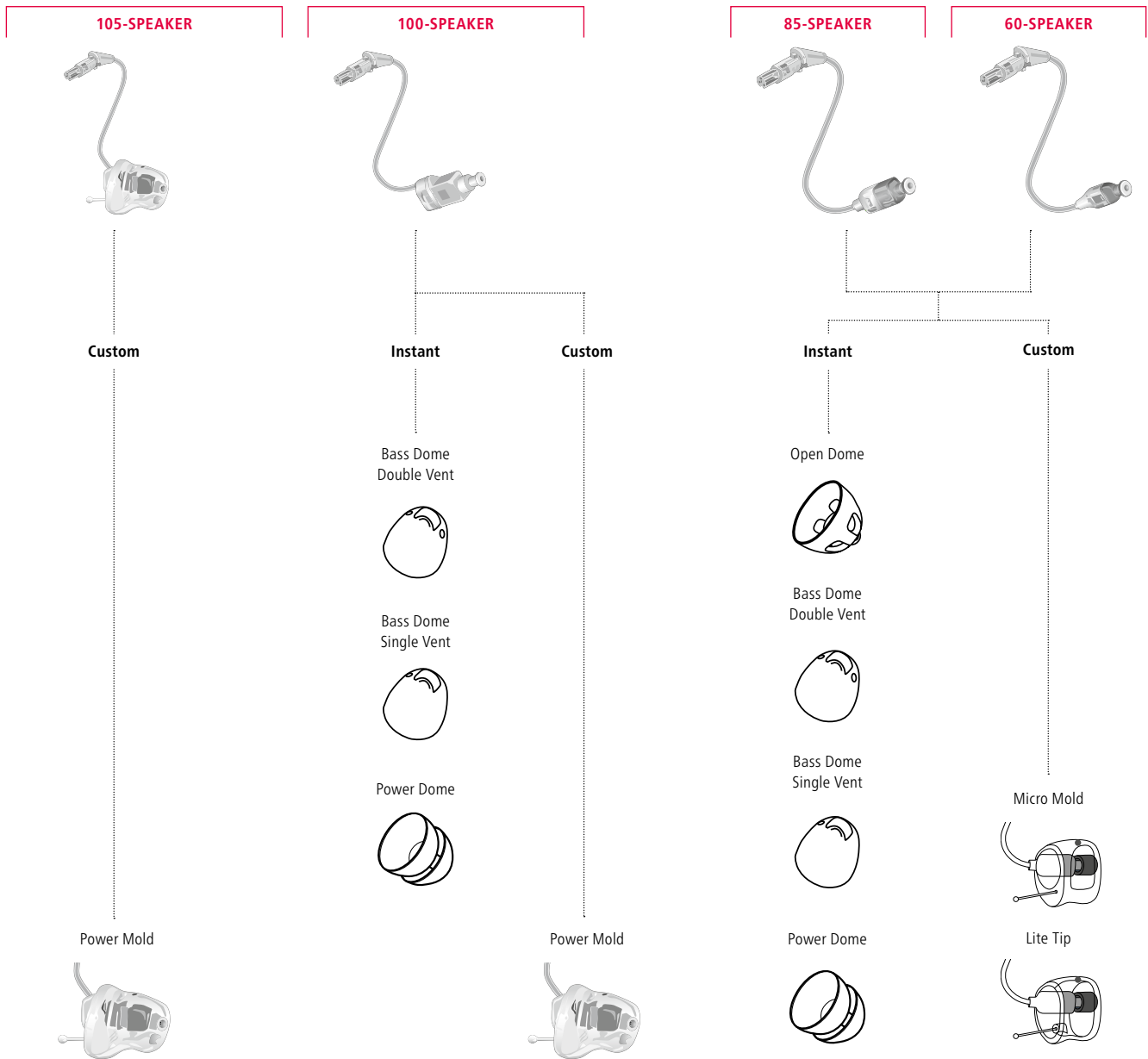
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\*\*Push button can be programmed for volume control use

## COLORS



## PICO RITE ACOUSTIC OPTIONS



### Operating Conditions

- Temperature: +33.8°F to +104°F
- Humidity: 5% to 93%, non-condensing

### Storage and Transportation Conditions

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

- Temperature: -13°F to +140°F
- Humidity: 5% to 93%, non-condensing

JUNA 9

JUNA 7

SAPHIRA 5

SAPHIRA 3

NEVARA 1

**SIGNAL PROCESSING**

ChannelFree™	●	●	●	●	●
Speech Cue Priority™	●	●	●	●	●
Frequency Composition™	●	●	●	●	–
Frequency Bandwidth	10 kHz	10 kHz	8 kHz	8 kHz	8 kHz

**LISTENING COMFORT**

Adaptive Noise Reduction Plus (ANR Plus)	5 ctr	4 ctr	3 ctr	2 ctr	2 ctr
ANR Plus Ultra Comfort	●	–	–	–	–
Transient Noise Reduction	●	●	●	–	–
Adaptive Feedback Canceller Plus	●	●	●	●	●
Wind Noise Monitor	●	●	●	●	–
Environment Optimizer	1/4	1/1	–	–	–
Soft Noise Management	3 ctr	3 ctr	3 ctr	2 ctr	2 ctr
Reverb Reduction	●	–	–	–	–
i-VC	●	●	–	–	–

**BINAURAL SYNCHRONIZATION**

VC, Program Change	●	●	●	●	●
Environment Classification	●	●	–	–	–
Non-Telephone Ear Attenuation (Auto-T)	●	●	–	–	–

**ENTERTAINMENT**

Live Music Program	●	●	●	–	–
Cinema Program	●	●	●	–	–

**DIRECTIONALITY CONTROLS**

Adaptive Directionality	●	●	●	●	–
True Directionality™	●	–	–	–	–
Automatic Directionality™	–	–	–	–	●

**CONVENIENCE FEATURES**

VC Clicks	●	●	●	●	●
Mute Via Push Button	●	●	●	●	●
Configurable Start-Up Delay	●	●	●	●	●

**INDIVIDUALIZATION**

Program Options/Memories	14/4	13/4	13/4	10/4	9/4
Adaptivity Control	●	–	–	–	–
Data Logging	●	●	●	●	●
Data Learning	●	●	●	–	–
VC Learning Limits	●	–	–	–	–
Smart VC	●	–	–	–	–
Language Specific Targets	●	●	●	●	●
REMfit™	●	●	●	●	●
Client Interactive	●	●	●	●	●
Comfort in Airplane Program	●	–	–	–	–

**WIRELESS / ACCESSORIES (OPTIONAL)**

RC-N	●	●	●	●	●
SoundGate 3 (Bluetooth®)	●	●	●	●	●
SoundGate Mic (with SoundGate 3)	●	●	●	●	●
TV / Phone Adapter 2	●	●	●	●	●

## PROGRAMMING EQUIPMENT

Pico RITE is programmed with Bernafon Oasis, version 24.0 or higher, a NOAH compatible MS-Windows® based PC-fitting software. HI-PRO, HI-PRO 2, NOAHlink, EXPRESSlink<sup>3</sup>, FittingLINK or nEARcom programming interface is required. A stand-alone installation of Oasis is also possible.






### Operating System

Windows® 10, 32/64 bit, all editions  
 Windows® 8, 32/64 bit, all editions  
 Windows® 7, 32/64 bit, all editions  
 Windows® Vista, 32/64 bit, all editions

### Noah

Noah 4.4 or higher (minimum for Windows® 10)  
 Noah 4.3 (minimum for Windows® 8)  
 Noah 4.2 (minimum for Windows® 7)  
 Noah 4  
 All versions of Noah 3 (not recommended)  
 Note: If you are using OAS software please use only versions with Noah Engine updated to the minimum standard above.

## ACCESSORIES

PRODUCT	DESCRIPTION	PART NUMBER	
<b>Prog. cable, Nr. 2 New standard (HI-PRO)</b>	Blue, left	384-20-033-00	
<b>Prog. cable, Nr. 2 New standard (HI-PRO)</b>	Red, right	384-20-032-00	
<b>Prog. cable, Nr. 2 New standard (NOAHlink)</b>	Blue, left	384-20-035-00	
<b>Prog. cable, Nr. 2 New standard (NOAHlink)</b>	Red, right	384-20-034-00	
<b>FlexConnect</b>	Programming strip for Pico RITE	390-01-180-05	
<b>Fitting Kit miniFit</b>	Shop kit containing 60- and 85-Speakers, Open Domes and Bass Domes Double Vent, tools and other equipment	149445	
<b>RC-N Remote Control</b>	Discreet device for volume and program adjustment	139772	
<b>SoundGate 3 (Bluetooth®)</b>	Interface for wireless communication, remote control. With telecoil.	144604	
<b>SoundGate Mic</b>	Clip-on microphone that enhances speech understanding of a chosen speaker's voice (requires SoundGate 3)	145645	
<b>TV Adapter 2 (Bluetooth®)</b>	Enables wireless reception of TV audio signals	127847	
<b>Phone Adapter 2 (Bluetooth®)</b>	Enables wireless reception of landline phone calls	124396 (EU), 130976 (JP), 130977 (KR), 130978 (NZ), 130979 (US), 130980 (ZA), 130981 (AU), 130982 (BR), 130983 (CN), 131571 (RU)	




**Manufacturer:**  
 Bernafon AG  
 Morgenstrasse 131  
 3018 Bern  
 Switzerland  
 www.bernafon.com

**Local Manufacturer  
 & Distributor:**  
 Bernafon Canada  
 500 Trillium Drive, Unit 15  
 Kitchener, ON, N2R 1A7  
 www.bernafon.ca

CE 0543



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 Engineering

www.bernafon.com

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 Your hearing • Our passion