

Specification Guide

Enchant 100 | 80 | 60 | 40 | 20 miniRITE

Enchant miniRITE is a small, stylish, modern receiver-in-the-ear hearing aid, suitable for mild to profound hearing losses. It is a Made for iPhone® hearing aid and supports Bluetooth® Low Energy (BLE) at 2.4 GHz. The miniRITE comes with the miniFit system, which includes 4 power levels and a wide variety of domes and custom

molds. Powered by the SoundDNA platform featuring SmartCompress, SPiN Management, and Dual-Radio System, the Enchant miniRITE has our most automatic, advanced and flexible features for instinctively smart hearing.

60-SPEAKER



ET 100|80|60|40|20 MNR

85-SPEAKER



ET 100|80|60|40|20 MNR

100-SPEAKER



ET 100|80|60|40|20 MNR

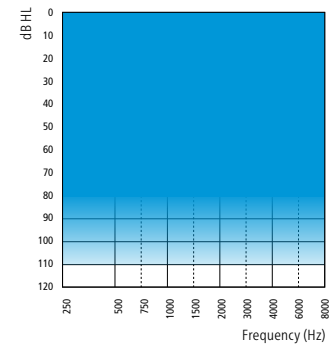
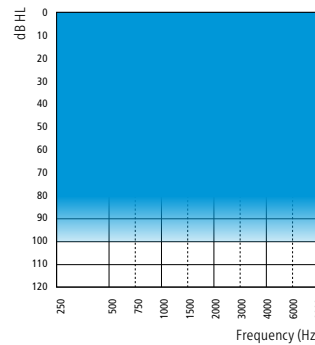
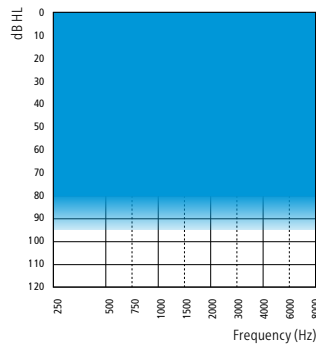
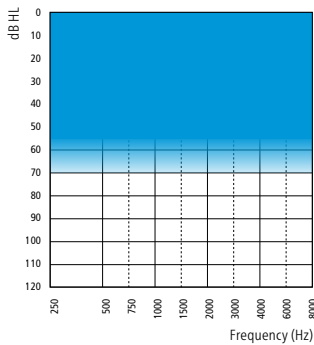
105-SPEAKER



ET 100|80|60|40|20 MNR

Made for

iPhone | iPad | iPod



Technical features

- 312 size battery
- Push button
- Auto Telephone (detection)
- miniFit speakers
- Hydrophobic coating
- IP68 rated

Connectivity features

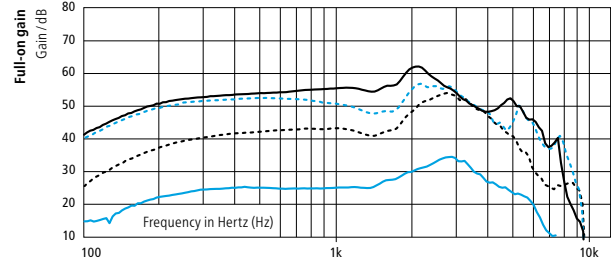
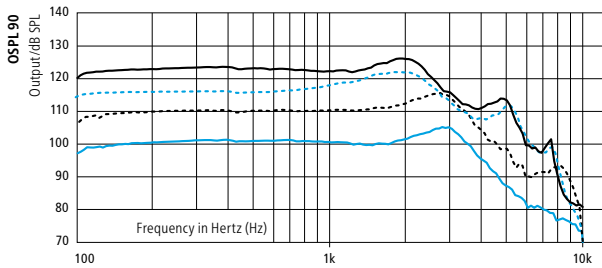
- 2.4 GHz stereo streaming
- SoundLink 2 app (for iOS and Android™)
- RC-A (remote control)
- TV-A (TV adapter)
- FittingLINK 3.0 (wireless programming interface)
- SoundClip-A

Enchant is compatible with iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, 9.7-inch iPad Pro, 12.9-inch iPad Pro, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, and iPod touch (5th and 6th generation). Devices must be running iOS 9.3 or later. For information on compatibility, please visit www.sonici.global/compatibility.

ENCHANT 100

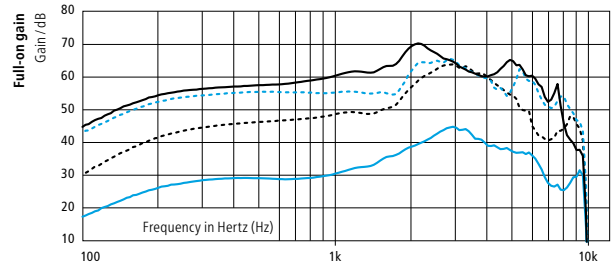
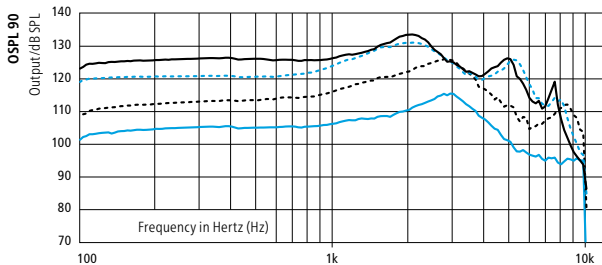
- 60-Speaker
- - - 85-Speaker
- · - · 100-Speaker
- 105-Speaker

2CC COUPLER



	60-SPEAKER	85-SPEAKER	100-SPEAKER	105-SPEAKER
OSPL90, Peak (dB SPL)	105	115	123	126
OSPL90, 1600 Hz (dB SPL)	100	111	122	124
OSPL90, HFA (dB SPL)	101	112	120	122
Full-on Gain, Peak (dB)	34	54	57	63
Full-on Gain, 1600 Hz (dB)	27	42	49	57
Full-on Gain, HFA (dB)	28	46	52	57
Reference Test Gain (dB)	24	34	43	45
Quiescent Current (mA)	1.5	1.5	1.6	1.6
Operating Current (mA)	1.6	1.7	1.8	1.7
Battery Size	312	312	312	312
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100-7700	100-6700	100-8700	100-7700
Equivalent Input Noise ¹⁾ dB(A)	17	19	18	16

EAR SIMULATOR



	60-SPEAKER	85-SPEAKER	100-SPEAKER	105-SPEAKER
OSPL90, Peak (dB SPL)	115	126	131	133*
OSPL90, 1600 Hz (dB SPL)	108	120	129	130
OSPL90, HFA (dB SPL)	-	-	-	-
Full-on Gain, Peak (dB)	45	64	66	70
Full-on Gain, 1600 Hz (dB)	36	51	55	63
Full-on Gain, HFA (dB)	-	-	-	-
Reference Test Gain (dB)	28	44	48	55
Quiescent Current (mA)	1.5	1.6	1.6	1.5
Operating Current (mA)	1.5	1.6	1.6	1.6
Battery Size	312	312	312	312
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<5/<3/<2	<2/<2/<3
Frequency Range (Hz)	-	-	-	-
Equivalent Input Noise ¹⁾ dB(A)	20	24	25	21

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

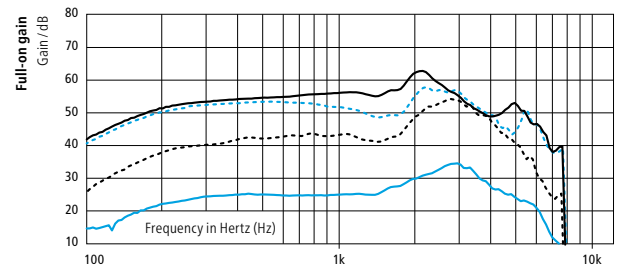
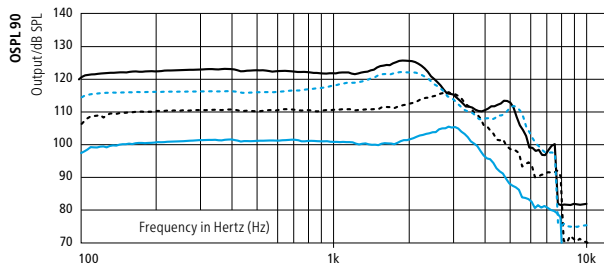
"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010. Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

Full-on gain is measured with the gain control of the hearing aid 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.

* 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.

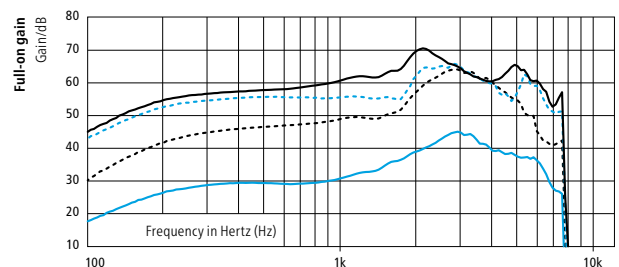
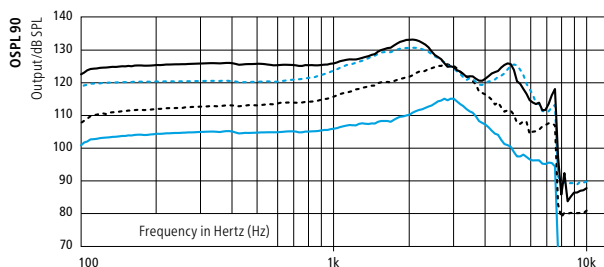
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2CC COUPLER



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Full-on Gain, HFA (dB)	28	46	52	57
Reference Test Gain (dB)	24	34	43	45
Quiescent Current (mA)	1.5	1.5	1.6	1.6
Operating Current (mA)	1.7	1.7	1.8	1.7
Battery Size	312	312	312	312
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100-7700	100-6700	100-7700	100-7700
Equivalent Input Noise ¹⁾ dB(A)	18	20	17	18

EAR SIMULATOR



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OSPL90, Peak (dB SPL)	115	126	131	133*
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Reference Test Gain (dB)	29	44	48	55
Quiescent Current (mA)	1.5	1.6	1.6	1.5
Operating Current (mA)	1.6	1.6	1.6	1.6
Battery Size	312	312	312	312
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<5/<3/<2	<2/<2/<3
Frequency Range (Hz)	-	-	-	-
Equivalent Input Noise ¹⁾ dB(A)	20	24	23	19

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.

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FEATURES OVERVIEW

	ENCHANT 100	ENCHANT 80	ENCHANT 60	ENCHANT 40	ENCHANT 20
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SOUND QUALITY

Signal Processing	Speech Variable Processing				
SmartCompress	10 options	6 options	2 options	–	–
Frequency Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz	8 kHz
Phoneme Focus	●	●	●	●	●
Envelope Focus	●	●	●	●	●
Extended Dynamic Range	●	–	–	–	–
Low Frequency Enhancement	●	●	●	●	●
Frequency Transfer	●	●	●	●	–
Tinnitus SoundSupport	●	●	●	●	●

NOISE MANAGEMENT

SPiN Noise Reduction	4 options	4 options	3 options	●	●
SPiN Engage	3 options	3 options	2 options	–	–
Wind Noise Reduction	●	●	●	●	●
Soft Noise Reduction	●	●	●	●	●
Impulse Noise Reduction	4 options	3 options	3 options	●	–
Adaptive Feedback Canceller	●	●	●	●	●

DIRECTIONALITY

SPiN Directionality	2 options: Hi/Med	1 option: Med	1 option: Med	1 option: Low	1 option: Low
True Directionality	●	–	–	–	–
Fixed Directionality	●	●	●	●	●
Omni Directionality	●	●	●	●	●

BINAURAL COORDINATION

Volume and Program Change	●	●	●	●	●
Binaural Noise Management	●	●	–	–	–
Non-Telephone Ear Control	●	●	●	●	●

PROGRAMMING OPTIONS

Universal Program	●	●	●	●	●
Fitting Bands	16	14	12	10	8
Environments	10	9	9	6	6
Manual Listening Programs	4	4	4	4	4
SmartMusic Program	●	●	●	–	–
Airplane Program	●	–	–	–	–
Data Logging	●	●	●	●	●
Adaptation Manager	●	●	●	●	●

Enchant 100|80|60|40|20 MNR can be programmed with EXPRESSfit Pro 2018.2 or higher

Operating Conditions

- Temperature: +1°C to +40°C
- 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: –25°C to +60°C
- Humidity: 5 % to 93 %, non-condensing

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