dot² by ReSound®

Product information

Product Description

dot² by ReSound® combines outstanding performance with near-invisible design. The result is a hearing instrument that can transform your clients' listening experience, even as they forget they're wearing it.

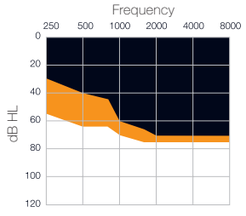
It may be small to look at, but dot² by ReSound® features big technological advances, delivering a quality of sound that comes remarkably close to 'natural'.

Powered by our unique surround sound processor, dot² by ReSound® ensures a full, rich listening experience that puts wearers back in the centre of their lives with confidence restored.

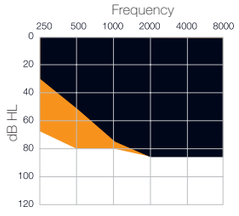
	dot2 by ReSound 30	dot2 by ReSound 20	dot2 by Resound 10
Awareness & localisation			
Personalised blending point	●		
Surround sound processor with integrated wind noise suppression	●	●	●
Sound quality			
NoiseTracker™ II - noise reduction levels (-3, -6, -8, -10 dB)	●	⦿	○
17-band Warp™ compression - extended bandwidth 7 kHz	●	●	
9-band Warp™ compression - extended bandwidth 7 kHz			⦿
WhistleControl™ – sensitivity levels	●	⦿	○
Dual Stabilizer® II DFS	●	●	●
Impulse Noise Smoother	●	●	●
Speech understanding			
Natural Directionality™ II	●		
Autoscope Adaptive Directionality™	●		
Multiscope Adaptive Directionality™	●	⦿	
Adaptive Directionality	●	●	●
Fixed directionality	●	●	●
SoftSwitching™	●	●	●
EchoStop™	●	●	●
Personalization			
Environmental Optimizer™	●		
Onboard Analyzer™ II	●	●	●
Flexible fitting			
Gain handles	9	7	6
Fully flexible programs (4 programs in total)	●	⦿	○
SmartStart™	●	●	●
Acoustic indications of user control and notifications	●	●	●

○ Standard ⦿ Advanced ● Ultimate

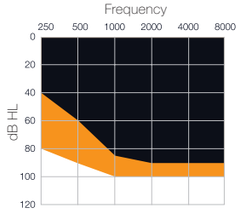
Fitting Range LP



Fitting Range NP



Fitting Range HP



Open configuration

Closed configuration

Standard Configuration

- Program button
- Size 10A batteries
- Battery door with integrated On/Off switch
- Receivers and domes in different sizes
- Four classic colours, seven exclusive colours and four fashion colours

Fitting Requirements

- Aventa fitting software (2.9 or higher)
- CS63 Flex Strip programming cable
- HI-PRO, NOAHlink or Speedlink interface

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Patents pending

All specifications are subject to change without notice

17152100-GB-09.08 Rev.B

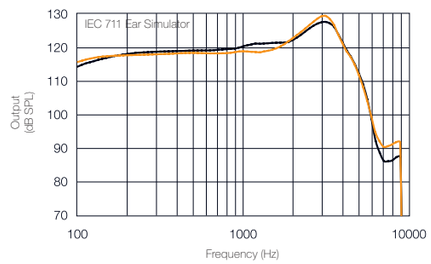
dot² by ReSound®

Technical specifications

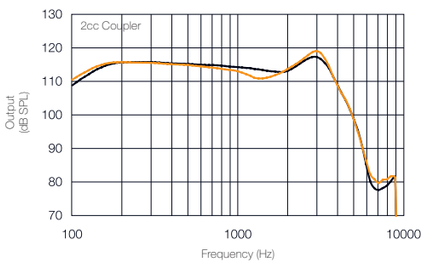
		DTT360 HP, DTT260 HP and DTT160 HP				
		IEC 60118-0 IEC 711 Ear simulator		IEC 60118-7-2005 2cc coupler		
		Open	Closed	Open	Closed	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	42	39	37	36	dB
	2500 Hz/HFA	45	47	37	40	dB
Full-on gain (50 dB SPL input)	Max.	63	67	52	57	dB
	1600 Hz/HFA	54	51	47	46	dB
	2500 Hz/HFA	57	59	47	50	dB
Maximum output (90 dB SPL input)	Max.	128	129	117	119	dB SPL
	1600 Hz/HFA	121	120	114	113	dB SPL
	2500 Hz/HFA	125	126	115	116	dB SPL
Total harmonic distortion	800 Hz	1,2	1,8	0,6	0,9	%
	1600 Hz	1,3	1,7	0,8	1,3	%
Equivalent input noise w/o Noise reduction		27	27	26	27	dB SPL
1/3 octave EIN w/o Noise reduction	1600 Hz	14	15	15	14	dB SPL
Frequency range (DIN 45605)		100-7140	100-7150	100-7110	100-7110	Hz
Current Drain		0,8	0,8	0,9	0,9	mA
Typical Battery life time	(Battery type 10)	113	113	100	100	hrs

Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

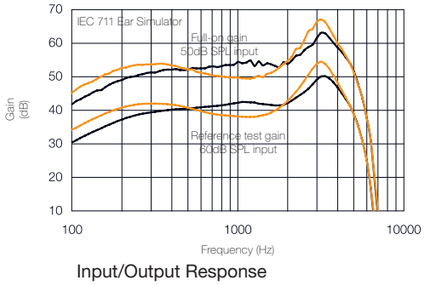
Maximum Output (OSPL 90)



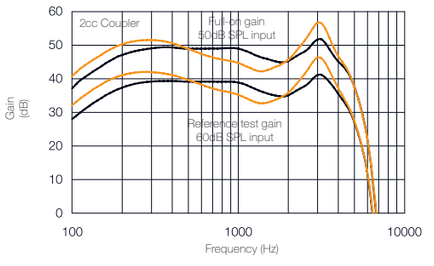
Maximum Output (OSPL 90)



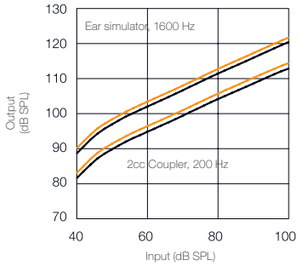
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Input/Output Response



Open configuration

Closed configuration

Full-on Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	33	33	33	33	33	33	33	33	33
G[50]	49	49	49	49	49	49	49	49	49

Reference Test Gain Parameter Settings for 118-0

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	26	26	26	26	26	26	26	26	26
G[50]	42	42	42	42	42	42	42	42	42

Reference Test Gain Parameter Settings for ANSI and 118-7

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	28	28	28	28	28	28	28	28	28
G[50]	44	44	44	44	44	44	44	44	44

*Settings in accordance with Aventa fitting software.

Supply Voltage 1.3 V.

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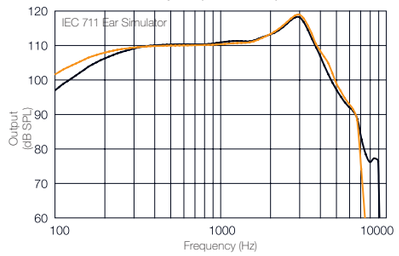
Technical Specifications

		DTT360 LP, DTT260 LP and DTT160 LP				
		IEC 118-0 Ear Simulator		IEC 118-7 2cc coupler		
		Open	Closed	Open	Closed	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	32	30	26	26	dB
	2500 Hz	35	36	27	28	dB
Full-on gain (50 dB SPL input)	Max.	53	54	42	43	dB
	1600 Hz/HFA	43	42	35	35	dB
	2500 Hz/HFA	46	47	37	38	dB
Maximum output (90 dB SPL input)	Max.	119	119	107	108	dB SPL
	1600 Hz/HFA	111	111	104	104	dB SPL
	2500 Hz/HFA	116	117	105	106	dB SPL
Total harmonic distortion	800 Hz	1,1	1,2	0,8	0,8	%
	1600 Hz	0,9	0,8	0,7	0,8	%
Equivalent input noise, w/o Noise reduction		26	26	26	26	dB SPL
Frequency range (DIN 45605)		130-6930	110-7050	100-6740	100-6840	Hz
Current Drain		0,8	0,8	0,9	0,9	mA
Typical Battery life time	(Battery type 10)	113	113	100	100	hrs

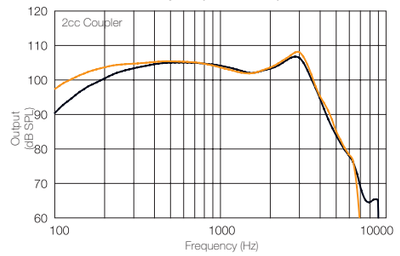
Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

Patents pending

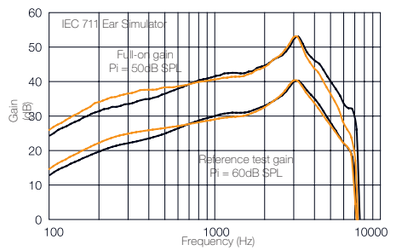
Maximum Output (OSPL 90)



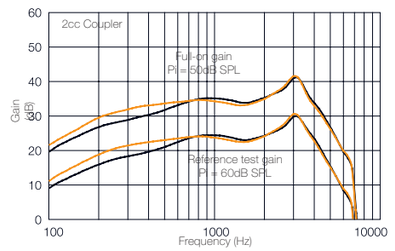
Maximum Output (OSPL 90)



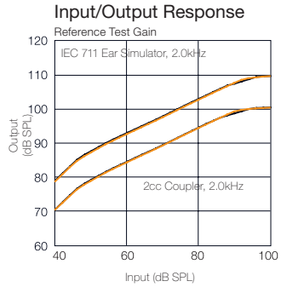
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Input/Output Response



All specifications are subject to change without notice

Full-On Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	20	20	20	20	20	20	20	20	20
G[50]	35	35	35	35	35	35	35	35	35

Reference Test Gain Parameter Settings for 118-0*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	13	13	13	13	13	13	13	13	13
G[50]	28	28	28	28	28	28	28	28	28

Reference Test Gain Parameter Settings for ANSI and 118-7*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	14	14	14	14	14	14	14	14	14
G[50]	29	29	29	29	29	29	29	29	29

*Settings in accordance with Aventa fitting software

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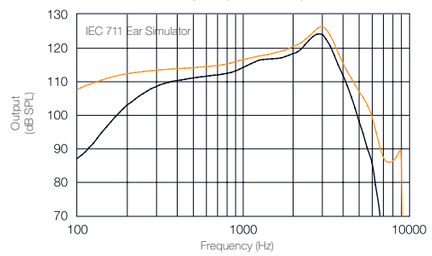
Technical specifications

		DTT360 NP, DTT260 NP and DTT160 NP				
		IEC 60118-0 IEC 711 Ear simulator		IEC 60118-7-2005 2cc coupler		
		Open	Closed	Open	Closed	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	37	37	32	33	dB
	2500 Hz/HFA	42	43	34	35	dB
Full-on gain (50 dB SPL input)	Max.	60	61	49	50	dB
	1600 Hz/HFA	49	49	42	42	dB
	2500 Hz/HFA	54	55	44	45	dB
Maximum output (90 dB SPL input)	Max.	124	126	114	115	dB SPL
	1600 Hz/HFA	117	118	110	110	dB SPL
	2500 Hz/HFA	123	122	113	112	dB SPL
Total harmonic distortion	800 Hz	1,2	1,6	0,7	0,9	%
	1600 Hz	1,3	1,4	0,9	1,0	%
Equivalent input noise w/o Noise reduction		28	28	28	29	dB SPL
1/3 octave EIN w/o Noise reduction	1600 Hz	15	15	16	14	dB SPL
Frequency range (DIN 45605)		250-7035	100-7100	160-6925	100-6975	Hz
Current Drain		0,8	0,8	0,9	0,9	mA
Typical Battery life time	(Battery type 10)	113	113	100	100	hrs

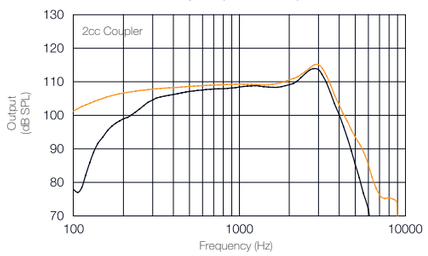
Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

Patents pending

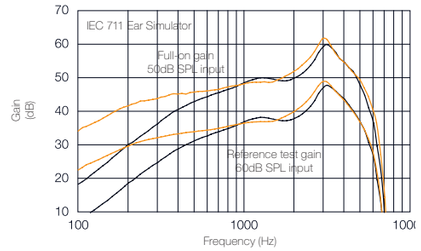
Maximum Output (OSPL 90)



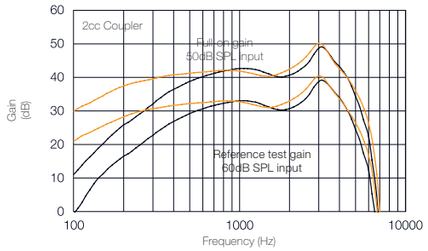
Maximum Output (OSPL 90)



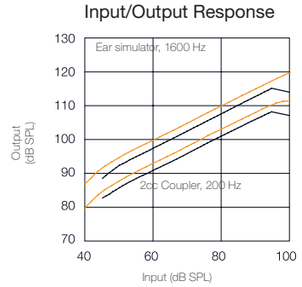
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Input/Output Response



All specifications are subject to change without notice

Full-on Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	17	27	27	27	27	27	27	27	27
G[50]	32	42	42	42	42	42	42	42	42

Reference Test Gain Parameter Settings for 118-0

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	10	20	20	20	20	20	20	20	20
G[50]	25	35	35	35	35	35	35	35	35

Reference Test Gain Parameter Settings for ANSI and 118-7

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	13	23	23	23	23	23	23	23	23
G[50]	28	38	38	38	38	38	38	38	38

*Settings in accordance with Aventa fitting software.
Supply Voltage 1.3 V.