

# ReSound Up Smart™

Because every word matters

ReSound Up Smart™ is a premium hearing aid family for children of all ages and hearing losses. It is a game changer in the way children are granted easy and direct access to the sounds they need for speech and language development. ReSound Up Smart meets or surpasses all pediatric requirements, including safety requirements.

Surround Sound by ReSound™ ensures audibility and consistently clear and comfortable sound, even at high output levels, in all listening situations, due to advanced pediatric features.

As the first pediatric Made for iPhone hearing solution, ReSound Up Smart 9, 7 and 5 receives stereo sound directly from an iPhone, iPad or iPod touch to benefit listening and language learning in more fun ways for infants and pre-schoolers, and to provide educational and social media interaction possibilities for older children and teens. And with the ReSound Smart™ app, the child or the parent can adjust the hearing aids easily, discreetly and intuitively from iOS devices.

ReSound Up Smart offers a line-up of modern and powerful wireless BTEs for mild to profound hearing losses.

## Product features

- Wireless connectivity to ReSound accessories
- Wireless ear-to-ear connectivity
- Full iSolate™ nanotech coating
- Supports Power and High Power configurations
- Push button and programmable Volume Control
- Size 13 battery
- Battery door with integrated On/Off switch
- Advanced, auto-locking battery door
- LED visual indication
- Telecoil with T and MT modes

## Options

- 12 different color combinations
- Direct audio input or integrated FM
- Support standard earmold fittings
- Standard hook, Child hook, Baby hook, and Adult and Baby metal hook

## Fitting software

- Aventa fitting software (3.10 or higher)
- Wireless fitting interface: Airlink™
- Speedlink, HI-Pro, or NOAHlink programming interfaces
- Programming adaptor with CS44 socket cable

UPS988-DLW  
UPS788-DLW  
UPS588-DLW  
UPS588M-DLW

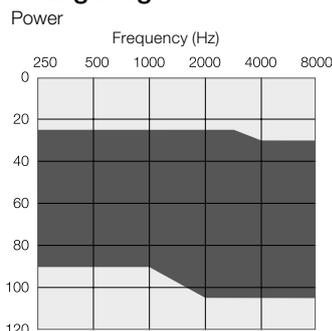


ReSound Up Smart 9  
ReSound Up Smart 7  
ReSound Up Smart 5

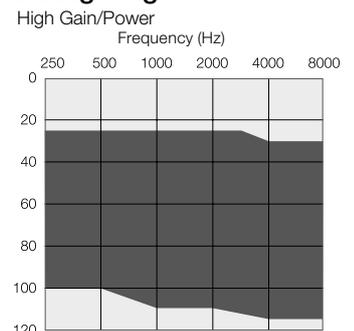
	ReSound Up Smart 9	ReSound Up Smart 7	ReSound Up Smart 5
ReSound SmartRange chip	●	●	●
<b>Surround Sound by ReSound</b>			
Model			
WARP™ Compression - number of bands	17	17	9
Environmental Classifier	●	●	●
Sound Shaper™	●	●	●
Low Frequency Boost	●	⊙	○
Clean			
NoiseTracker™ II	●	⊙	○
Personalized Noise Reduction	●	●	●
WindGuard™	●	⊙	○
Expansion	●	⊙	○
Balance			
Binaural Directionality™	●	●	●
Directional Mix Processor	●	●	●
- Adjustable directional mix	●	●	●
Natural Directionality™ II	●	●	●
Synchronized SoftSwitching™	●	●	●
SoftSwitching™	●	●	●
AutoScope Adaptive Directionality™	●	●	●
MutiScope Adaptive Directionality™	●	●	●
Adaptive Directionality	●	●	●
Binaural Environmental Optimizer™ II	●	●	●
Environmental Optimizer™ II	●	●	●
Environmental Optimizer™	●	●	●
Stabilize			
DFS Ultra™ II	●	●	●
- Music Mode™	●	●	●
Auto DFS™	●	●	●
<b>Convenience Features</b>			
Synchronized Push Button	●	●	●
Synchronized Volume Control	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
Comfort Phone™	●	●	●
iSolate™ nanotech	●	●	●
<b>Fitting Features</b>			
Gain Handles	9	9	9
Fully Flexible Programs	4	4	4
Synchronized Acceptance Manager	●	●	●
Onboard Analyzer™ II	●	●	●
Amplification strategy (WDRC/Semi.linear/Linear)	●	●	○
In Situ Audiometry	●	●	●
<b>Wireless connectivity</b>			
2.4 GHz Wireless Technology	●	●	●
2.4 GHz ear-to-ear communication	●	●	●
Direct audio streaming (Made for iPhone)	●	●	●*
Wireless fitting with Airlink™	●	●	●
ReSound Unite™ TV Streamer 2	●	●	●
ReSound Unite™ Remote Control 2	●	●	●
ReSound Unite™ Phone Clip+	●	●	●
ReSound Micro Mic and Multi Mic	●	●	●
ReSound Control™ app (Phone Clip+ required)	●	●	●
ReSound Smart™ app	●	●	●*

\*Available in UPSM588-DLW

## Fitting range



## Fitting range



ReSound Up Smart is compatible with iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, 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 generation) using iOS 7.X or later. Apple, the Apple logo, iPhone, iPad, iPad Air, iPad mini and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



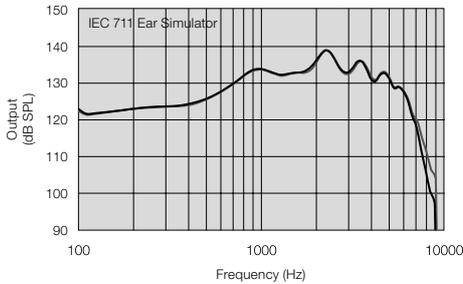
# ReSound Up Smart™

		UPS88-DLW POWER UPS88M-DLW POWER		UPS88-DLW HIGH GAIN/POWER UPS88M-DLW HIGH GAIN/POWER		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 2cc coupler	IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	55	51	57	50	dB
Full-on gain (50 dB SPL input)	Max.	74	67	80	72	dB
	1600 Hz/HFA	66	62	72	68	
Maximum output (90 dB SPL input)	Max.	139	131	139	131	dB SPL
	1600 Hz/HFA	133	128	133	128	
Total harmonic distortion	500 Hz	1.2	1.0	1.3	0.7	%
	800 Hz	0.8	0.4	0.7	0.4	
	1600 Hz	0.7	0.5	0.5	0.4	
Telecoil sensitivity (1 mA/m input)	Max.	101	-	107	-	dB SPL
Full-on telecoil sensitivity @ 1mA/m	HFA	94	92	99	98	
HFA-SPLIV Telecoil sensitivity @ 31.6 mA/m(ANSI)	1600 Hz / HFA	-	111	-	111	
Equivalent input noise w/o Noise reduction		23	20	23	21	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	9	-	9	-	
Frequency range (DIN 45605)		100-7080	100-6170	100-6240	100-4960	Hz
Current Drain (Quiescent / Operating)		1.1 / 1.2	1.1 / 1.2	1.1 / 1.2	1.1 / 1.1	mA

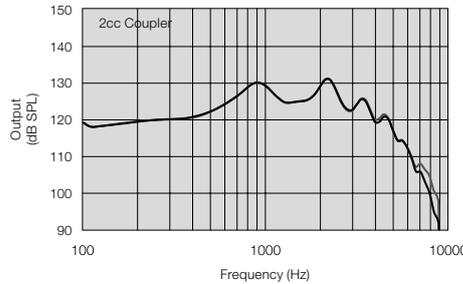
Data in accordance with IEC 60118-0, IEC 60118-7;  
Supply Voltage 1.3 V.

Patents pending

**Maximum Output (OSPL 90)**



**Maximum Output (OSPL 90)**



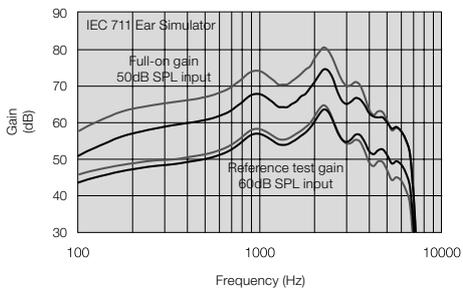
**Notes:**

O.E.S. = Occluded Ear Simulator  
2cc = 2 cm³ coupler  
Pi = Acoustic input signal

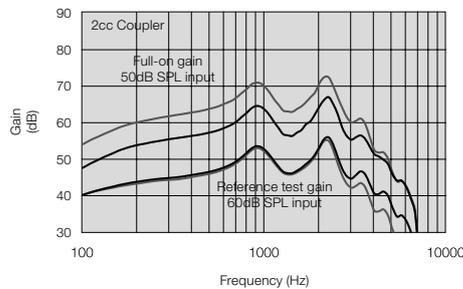
**Basic settings:**

Full-on Gain, Reference Test Gain  
MPO = Maximum Peak Output  
Maximum Band Width

**Full-On and Reference Test Gain**



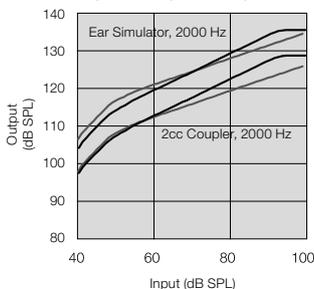
**Full-On and Reference Test Gain**



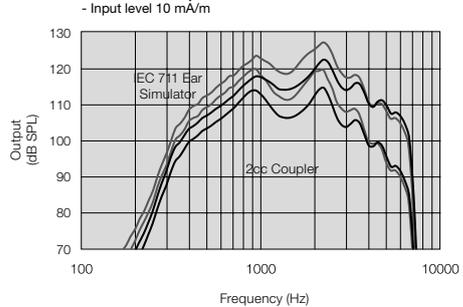
Measured according to IEC 60118-0 1983, amendment 1994; at 1.3 V, impedance 6.2 ohms and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.

All specifications are subject to change without notice

**Input/Output Response**



**Telecoil response**



■ High Power  
■ Normal Power

400311011-US-16.09-Rev.C

Manufacturer according to FDA:  
**ReSound North America**  
8001 Bloomington Freeway  
Bloomington, MN 55420  
1-888-735-4327  
resound.com

**ReSound Government Services**  
8001 Bloomington Freeway  
Bloomington, MN 55420  
1-800-392-9932  
resound.com/veterans

Manufacturer according to Health Canada:  
**ReSound Canada**  
303 Supertest Road  
Toronto, Ontario M3J 2M4  
1-888-737-6863  
resound.com

