

ReSound

rediscover hearing

ReSound® helps people rediscover hearing. We develop hearing solutions that emulate the natural ear so you can forget your hearing loss and live a richer, more fulfilling life.

Now ReSound breaks new ground with Verso™ — a versatile hearing solution that allows you to instinctively hear what you want to. With Verso, hearing becomes second nature again.
gnresound.com/Verso

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MK603795 REV B

ReSound Verso™

Product Overview



ReSound

rediscover hearing

ReSound Verso™

A complete family of products, ReSound Verso is suitable for all patients.

Natural Sound

Verso offers your patients the most natural listening experience possible. Its unique technology delivers outstanding background noise reduction, superior feedback management and dynamic sound processing to create richer, fuller sound.

360° Listening

Verso hearing aids work together seamlessly to access and analyze all sounds in the environment, so patients are free to listen to the sounds and speech they want to hear — even in the most difficult settings.

Effortless Use

Verso hearing aids automatically adjust gain and noise reduction settings so patients can comfortably and easily move between different environments. Additionally, they can change programs or volume settings on both hearing aids with a single touch.



Features	Verso 9	Verso 7	Verso 5
ReSound Range™ II Chip	●	●	●
Surround Sound by ReSound			
Model			
WARP™ Compression - number of bands	17	17	9
Environmental Classifier	●	●	●
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™	●		
MultiScope Adaptive Directionality™	●	●	
Adaptive Directionality™			●
Fixed Directionality	●	●	●
Binaural Environmental Optimizer™ II	●		
Environmental Optimizer™ II	●		
Environmental Optimizer™		●	
Stabilize			
DFS Ultra™ II	●	●	●
- Music Mode™	●	●	●
Auto DFS™	●	●	●
Convenience Features			
Synchronized Push Button	●	●	●
Synchronized Volume Control	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
Comfort Phone™	●	●	●
iSolate™ nanotech	●	●	●
Fitting Features			
Gain Handles	9	7	6
Fully Flexible Programs	4	3	2
Onboard Analyze™ II	●	●	●
In Situ Audiometry	●	●	●
Wireless Connectivity			
2.4 GHz Wireless Technology	●	●	●
2.4 GHz Device-to-Device Communication	●	⊙	○
Wireless Fitting with Airlink™	●	●	●
ReSound Unite™ TV	●	●	●
ReSound Unite™ Remote Control	●	●	●
ReSound Unite™ Phone Clip+	●		●
ReSound Unite™ Mini Microphone	●	●	●

○ Standard

⊙ Advanced

● Ultimate

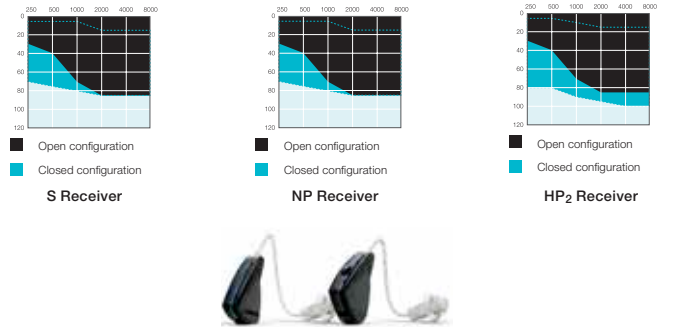
ReSound Verso™ benefits

Feature	Advantage	Benefit
Binaural Directionality™	This allows the hearing instruments to work together to dynamically select the best directional response for any listening environment.	It provides the user with the best speech understanding in noise plus a more natural sense of surroundings - even in the most difficult listening situations.
Binaural Environmental Optimizer™ II	The hearing instruments work together to analyze and accurately classify the listening environment.	The hearing instruments automatically adjust gain and noise reduction settings for optimal audibility and listening comfort in any sound environment.
Synchronized Push Button and Volume Control	This allows the user to change programs or volume settings on one instrument and have the other instrument automatically make the same changes.	With this feature, making adjustments to the hearing instruments is easier and more convenient.
Synchronized SoftSwitching™	SoftSwitching is taken to the next level with binaural analysis of the environment to ensure the correct microphone mode is achieved.	Coordinated switching between omnidirectional and directional responses provides an optimal sense of symmetry, congruence and sound quality for the user.
Comfort Phone™	Once a telephone is brought to the ear and the AutoPhone feature activates, the instruments communicate wirelessly and reduce gain in the non-phone ear.	Comfort Phone allows the user to concentrate fully on the telephone conversation while maintaining awareness of what is going on around them.
DFS Ultra™ II with Music Mode™	Enhanced precision and scaling allows the adaptive filter to cancel feedback with greater accuracy than was previously possible. Music Mode analyzes the sound input over a longer period of time resulting in better accuracy in distinguishing true feedback from other tonal input sounds.	Users can now enjoy extra comfort, better audibility and all the subtle nuances of rich sound, even in the most challenging situations such as listening to music and using the phone. The Music Mode setting gives users a clearer, richer music experience, free of distortion.
Auto DFS™	This allows for superior DFS performance without the need to calibrate the system on the user's ears.	Auto DFS allows the dispenser to pre-program instruments and deliver to the user without having to conduct a software fitting session.
2.4 GHz Wireless Technology	2.4 GHz wireless technology provides wireless transmission over a longer range and at a faster rate. It also means direct transmission from audio devices or speech sources to the hearing instruments.	It provides longer range wireless capabilities without lip synch or echo artifacts. It ensures that the end user does not need to wear a third device around the neck.
2.4 GHz Device-to-Device Communication	The hearing instruments work as one system, using our unique 2.4 GHz wireless device-to-device communication. They constantly compare notes to dynamically analyze the sound environment and exchange and balance every piece of input.	The hearing instruments provide the most natural sound experience ever. They work together seamlessly so users can follow any conversation and react naturally to the world around them.

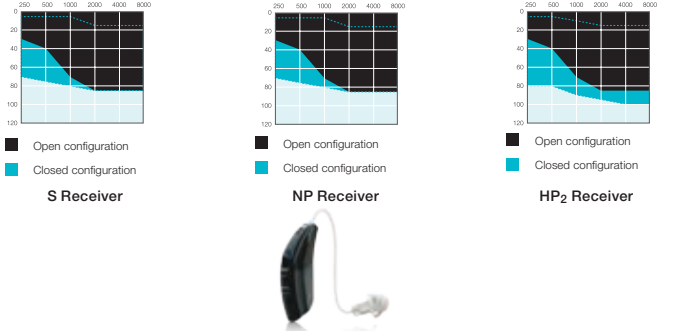
ReSound Verso™

D = Dual microphones
R = RIE (Receiver-in-the-ear)
W = Wireless
P = Power
S = Small receiver
NP = Normal Power receiver
HP₂ = High Power 2 receiver

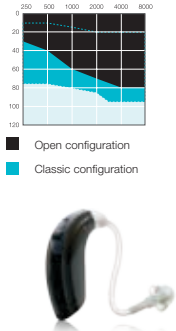
Micro/Mini RIE (Receiver-in-the-ear)



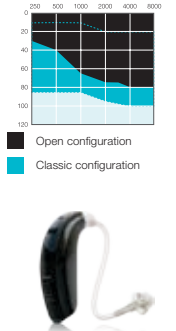
RIE (Receiver-in-the-ear)



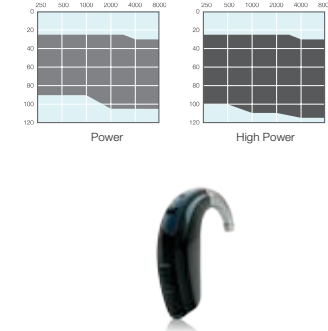
Mini BTE



BTE



Power BTE



VO60-DR, VO61-DRW

S Receiver (S) Normal Power (NP) High Power 2 (HP₂)

VO62-DRW

S Receiver (S) Normal Power (NP) High Power 2 (HP₂)

VO67-DW

VO77-DW

VO88-DW

ANSI S3.22-2009, 2cc coupler

Reference test gain (60 dB SPL Input) 1600 Hz	HFA	31	31	32	33	36	36	31	31	30	33	36	36	36	40	41	47	51	50	dB
Full-On Gain (50 db SPL Input)	Max.	46	50	47	51	59	59	46	50	46	50	59	59	51	55	51	59	67	72	dB
	HFA	41	42	42	43	50	51	41	42	41	43	50	51	46	49	46	52	62	68	
Maximum Output (90 dB SPL Input)	Max.	113	113	114	114	118	119	113	113	113	114	118	119	117	122	122	128	131	131	dB SPL
	HFA	108	108	109	109	114	114	108	108	108	109	114	114	112	117	118	123	128	128	
Total harmonic distortion	500 Hz	0.5	0.3	0.8	0.9	1.4	1.2	0.5	0.4	0.5	0.9	1.4	1.2	0.8	1.8	0.1	0.4	1.0	0.7	%
	800 Hz	0.5	0.6	0.9	0.8	1.4	1.6	0.5	0.5	0.5	1.0	1.4	1.6	0.2	1.5	0.2	0.4	0.4	0.4	
	1600 Hz	0.8	1.0	0.9	1.0	1.1	1.0	0.9	1.0	0.9	1.1	1.1	1.0	0.5	0.5	0.5	0.5	0.5	0.3	
Telecoil Sensitivity (SPLIV @ 31.6 mA/m) -as Telecoil OR Wireless Functionality	HFA	-	-	-	-	-	-	91	92	91	93	96	96	95	98	100	107	111	110	dB SPL
Equivalent Input Noise (without Noise Reduction)		23	24	22	23	23	23	23	24	23	24	23	23	22	22	23	22	20	21	dB SPL
Frequency range (DIN 45605)		100-7110	100-7100	100-6840	100-6780	100-6790	100-6710	100-7110	100-7100	100-7110	100-6770	100-6790	100-6710	100-7040	100-7110	100-6770	100-6850	100-6170	100-4960	Hz
Current drain (In test mode)		1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	mA
Battery type		60	61	60	61	60	61	60	61	60	61	60	61	312	312	312	312	13	13	
		10A	312	10A	312	10A	312	10A	312	10A	312	10A	312	312	312	312	312	13	13	

Surround Sound by ReSound	ReSound Range™ II platform	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Model																		
	WARP™ compression bands	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Clean	Environmental Classifier	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Clean																		
	NoiseTracker™ II with Personalized Noise Reduction per environment	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	WindGuard™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Expansion	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Balance																		
	Binaural Directionality™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Directional Mix Processor with adjustable directional mix	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Natural Directionality™ II	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Synchronized SoftSwitching™/ SoftSwitching™ (60 Model only)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stabilize	AutoScope Adaptive Directionality™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	MultiScope Adaptive Directionality™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Fixed Directionality	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Binaural Environmental Optimizer™ II	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	Environmental Optimizer™ II	60	60	60	60	60	60												
	DFS Ultra™ II - with Music Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto DFS™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Synchronized Push Button	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	Synchronized Volume Control							●	●	●	●	●	●	●	●	●	●	●	●
	SmartStart™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fitting Features	PhoneNow™	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Comfort Phone™	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	iSolate™ nanotech	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Gain Handles	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	Fully Flexible Programs	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Onboard Analyzer™ II	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	In Situ Audiometry	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	2.4 GHz Wireless Technology	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	2.4 GHz Device-to-Device Communication	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	Wireless Fitting with Airlink™	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
Wireless Connectivity	ReSound Unite™ TV	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	ReSound Unite™ Remote Control	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	ReSound Unite™ Phone Clip+	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●
	ReSound Unite™ Mini Microphone	61	61	61	61	61	61	●	●	●	●	●	●	●	●	●	●	●	●

		Remote Microphone					IIC (Invisible-in-the-canal)		CIC	ITC		ITE		
<div>ReSound Verso™</div> <div>W = Wireless M = Remote microphone C = Invisible in the canal D = Dual microphones P = Power U = Ultra power</div> <div>ANSI S3.22-2009, 2cc coupler</div>		<div>VO10-M</div>		<div>VO30-M</div>			<div>VO10-C</div>		<div>VO10</div>		<div>VO30, VO30-D</div>		<div>VO50 (W), VO50-D (W)</div>	
		M	MP	M/MW	MP/MPW	MU/MUW			P		P		P	
Reference test gain (60 dB SPL Input) 1600 Hz	HFA	33	35	32	38	48	31	32	36	33	37	37	48	dB
Full-On Gain (50 db SPL input)	Max.	44	52	43	52	61	36	37	43	44	51	52	58	dB
	HFA	41	49	41	49	57	35	35	42	41	47	47	56	
Maximum Output (90 dB SPL Input)	Max.	113	117	112	118	130	111	112	117	114	118	118	130	dB SPL
	HFA	109	113	109	115	126	108	109	113	111	114	113	125	
Total harmonic distortion	500 Hz	0.6	0.6	0.6	0.5	0.3	0.7	0.4	0.3	0.3	0.4	0.5	0.3	%
	800 Hz	0.6	0.8	0.6	0.9	0.5	0.6	0.4	0.5	0.4	0.6	0.9	0.6	
	1600 Hz	1.0	0.7	1.0	0.7	0.2	0.9	0.6	0.6	0.5	0.8	1.1	0.2	
Telecoil Sensitivity (SPLIV @ 31.6 mA/m) – as Telecoil OR Wireless Functionality	HFA	—	—	-	98	108	-	-	-	92	97	97	109	dB SPL
Equivalent Input Noise (without Noise Reduction)		22	22	22	21	21	24	23	22	22	22	23	21	dB SPL
Frequency range (DIN 45605)		100-6990	100-7040	100 - 6930	100 - 7030	100 - 5070	100 - 6690	100 - 6780	100 - 6710	100-7110	100-7120	100-7140	100-5220	Hz
Current drain (In test mode)		1.1	1.1	1.1 / 1.2 (W)	1.1 / 1.3 (W)	1.1 / 1.3 (W)	1.0	1.1	1.1	1.1	1.1	1.1 / 1.2 (W)	1.1 / 1.2 (W)	mA
Battery type		10A	10A	312/13	312/13	312/13	10A	10A	10A	312	312	312/13	312/13	

Surround Sound by ReSound	ReSound Range™ II platform	●	●	●	●	●	●	●	●	●	●	●	●
	Model												
	WARP™ compression bands	17	17	17	17	17	17	17	17	17	17	17	17
	Environmental Classifier	●	●	●	●	●	●	●	●	●	●	●	●
	Clean												
	NoiseTracker™ II with Personalized Noise Reduction per environment	●	●	●	●	●	●	●	●	●	●	●	●
	WindGuard™									●	●	●	●
	Expansion	●	●	●	●	●	●	●	●	●	●	●	●
	Balance												
	Binaural Directionality™												
	Directional Mix Processor with adjustable directional mix									D	D	D/DW	D/DW
	Natural Directionality™ II									D	D	D/DW	D/DW
	SoftSwitching™									D	D	D/DW	D/DW
	AutoScope Adaptive Directionality™									D	D	D/DW	D/DW
	MultiScope Adaptive Directionality™									D	D	D/DW	D/DW
	Fixed Directionality									D	D	D/DW	D/DW
	Environmental Optimizer™ II	●	●	●	●	●	●	●	●	D	D	D/DW	D/DW
	Stabilize												
	DFS Ultra™ II - with Music Mode	●	●	●	●	●	●	●	●	●	●	●	●
	Auto DFS™	●	●	●	●	●	●	●	●	●	●	●	●
Convenience Features	Synchronized Push Button												
	Synchronized Volume Control												
	SmartStart™	●	●	●	●	●	●	●	●	●	●	●	●
	PhoneNow™	●	●	●	●	●		●	●	●	●	●	●
	Comfort Phone™												
	iSolate™ nanotech	●	●	●	●	●	●	●	●	●	●	●	●
Fitting Features	Gain Handles	9	9	9	9	9	9	9	9	9	9	9	9
	Fully Flexible Programs	4	4	4	4	4	1	4	4	4	4	4	4
	Onboard Analyzer™ II	●	●	●	●	●	●	●	●	●	●	●	●
	In Situ Audiometry												
Wireless Connectivity	2.4 GHz Wireless Technology			MW	MPW	MUW						W	W
	2.4 GHz Device-to-Device Communication												
	Wireless Fitting with Airlink™			MW	MPW	MUW						W	W
	ReSound Unite™ TV			MW	MPW	MUW						W	W
	ReSound Unite™ Remote Control			MW	MPW	MUW						W	W
	ReSound Unite™ Phone Clip+			MW	MPW	MUW						W	W
	ReSound Unite™ Mini Microphone			MW	MPW	MUW						W	W