

SONIC | flip™



Flip Specification Guide

flip 100 | 80 | 60 | 40

Flip provides all of the features patients want most: simple operation, wireless connectivity, and a size that's stylish and discreet – all with the outstanding sound quality Sonic is known for. It's everything most people with hearing loss need to enjoy the flip side of life.



Speech Variable Processing

preserves the nuances of speech – the soft and the loud sounds that occur in every word. Flip acts like a supercomputer to process all sounds, not just the loudest ones.

Flip integrates several Noise Management Systems:

- **Speech Priority Noise Reduction** works to separate speech from surrounding noise, making conversations more comfortable and easier to understand.
- **Impulse Noise Reduction** identifies and suppresses unexpected sounds like the clinking of silverware or jangling of keys.
- **Soft Noise Reduction** reduces low-level sounds like the whir of a fan or hum of a refrigerator.
- **Wind Noise Reduction** makes time spent outdoors that much more enjoyable by preventing wind noise sounds from being amplified.

With the new Adaptive Feedback

Canceller, feedback is stopped before it becomes a problem.

Sophisticated Directional Systems

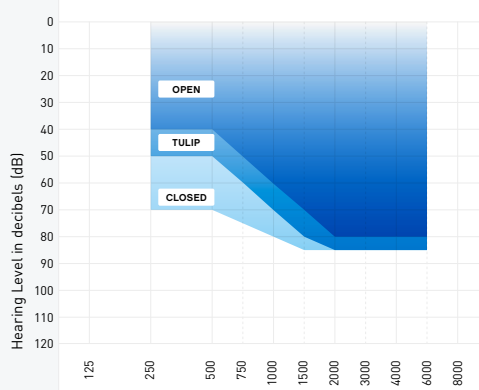
in Flip not only identify what an important sound is, but where it is too.

- **Fixed Directionality** addresses sounds that occur in a static environment – like a conversation at a restaurant table.
- **Adaptive Directionality** is useful in more dynamic acoustic settings, like a busy office or a noisy grocery store.
- **Hybrid Directionality** fuses two technologies to resist wind noise in moderately noisy places. Together they keep unwanted noise at bay so patients can stay engaged in their surroundings.

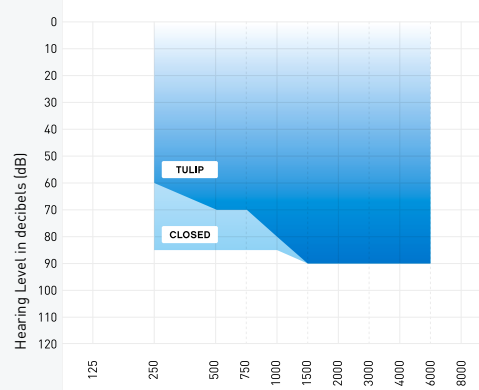
flip¹⁰⁰
MNR



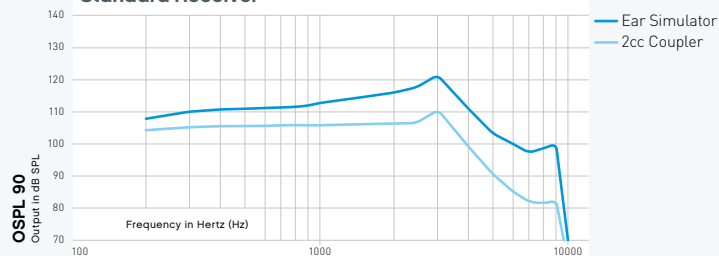
Fitting Range Standard Receiver
Frequency in Hertz (Hz)



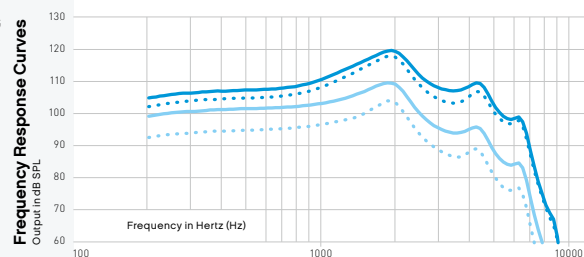
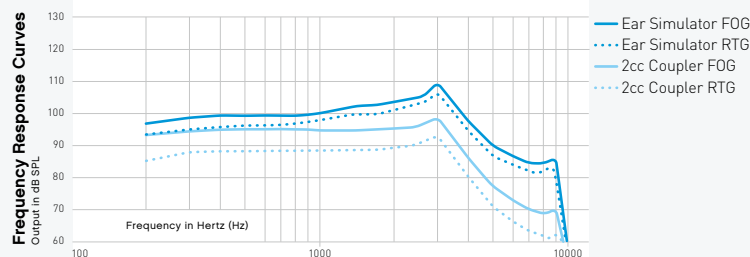
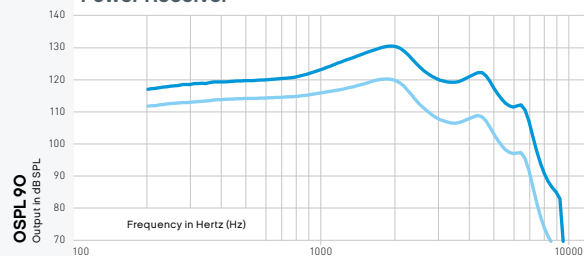
Fitting Range Power Receiver
Frequency in Hertz (Hz)



Standard Receiver



Power Receiver



Standard Receiver

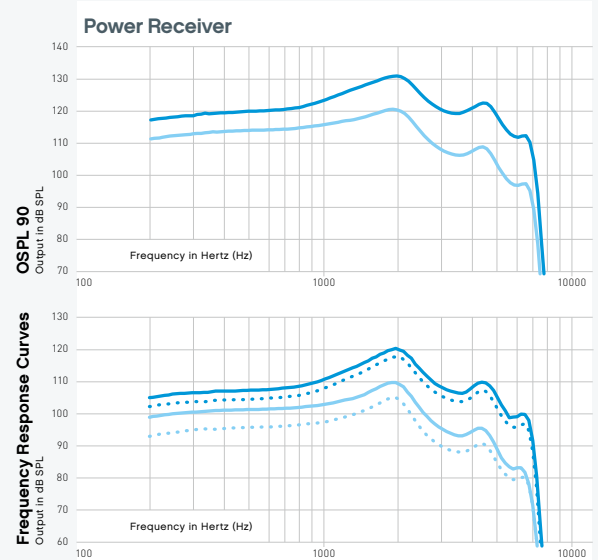
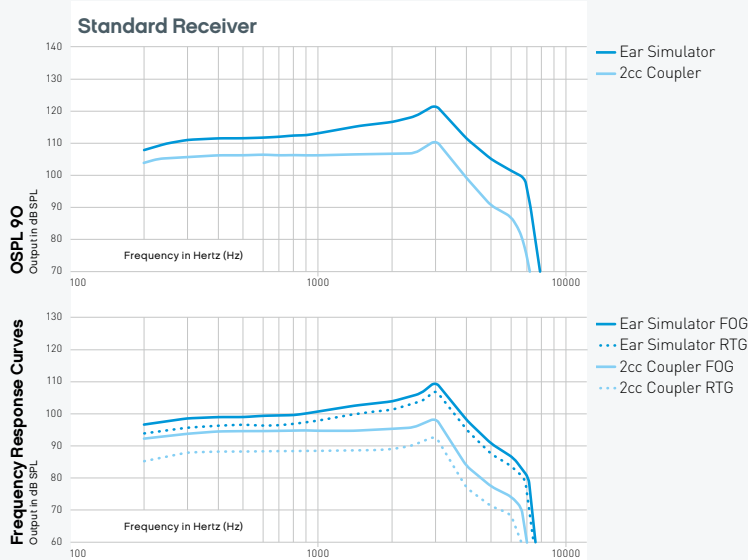
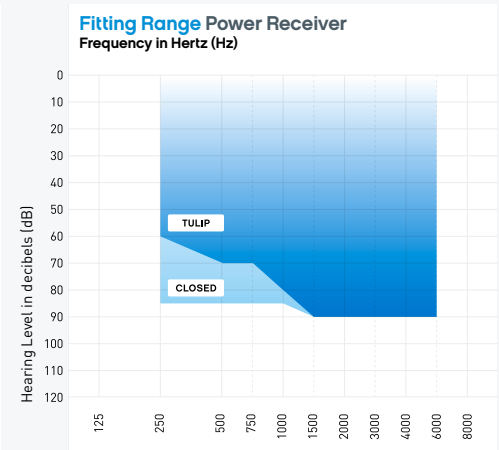
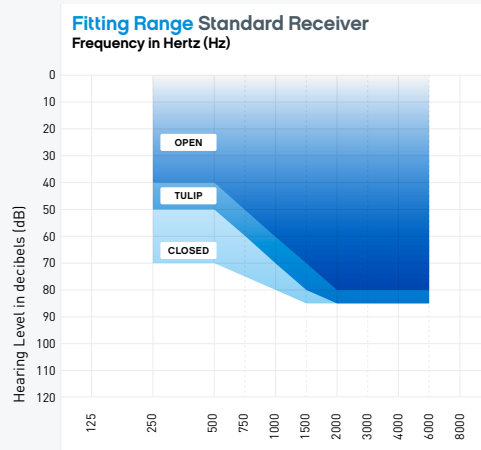
Power Receiver

		2cc Coupler	Ear Simulator	2cc Coupler	Ear Simulator
OSPL 90, peak	dB SPL	110	121	120	131
OSPL 90, 1600 Hz	dB SPL	107	115	119	129
HFA OSPL 90	dB SPL	107	–	116	–
Full-on gain, peak	dB	48	59	60	70
Full-on gain, 1600 Hz	dB	45	53	58	67
HFA full-on gain	dB	45	–	54	–
Reference test gain	dB	29	40	38	55
Quiescent current	mA	1.1	1.1	1.1	1.1
Operating current	mA	1.2	1.2	2.4	1.2
Battery size		13	13		
Distortion 500/800/1600 Hz	%	<1/<1/<2	<2/<2/<3	<1/<1/<1	<2/<2/<2
Frequency range	Hz	100-6000	–	100-5800	–
Equivalent input noise ¹⁾	dB SPL	16	17	17	12
Phonocoil 1 mA/m 1600 Hz, IEC	dB SPL	76	85	91	101
Phonocoil HFA SPLITS, ANSI	dB SPL	91	–	102	–

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

²⁾ "2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

flip⁸⁰
MNR



		Standard Receiver		Power Receiver	
		2cc Coupler	Ear Simulator	2cc Coupler	Ear Simulator
OSPL 90, peak	dB SPL	110	121	120	131
OSPL 90, 1600 Hz	dB SPL	107	115	119	129
HFA OSPL 90	dB SPL	107	–	116	–
Full-on gain, peak	dB	48	59	60	70
Full-on gain, 1600 Hz	dB	45	53	58	67
HFA full-on gain	dB	45	–	54	–
Reference test gain	dB	29	40	38	55
Quiescent current	mA	1.1	1.1	1.1	1.1
Operating current	mA	1.2	1.2	2.4	1.2
Battery size		13	13		
Distortion 500/800/1600 Hz	%	<1/<1/<2	<2/<2/<3	<1/<1/<1	<2/<2/<2
Frequency range	Hz	100-6000	–	100-5700	–
Equivalent input noise ¹⁾	dB SPL	16	16	17	13
Phonocoin 1 mA/m 1600 Hz, IEC	dB SPL	76	85	91	101
Phonocoin HFA SPLITS, ANSI	dB SPL	91	–	102	–

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

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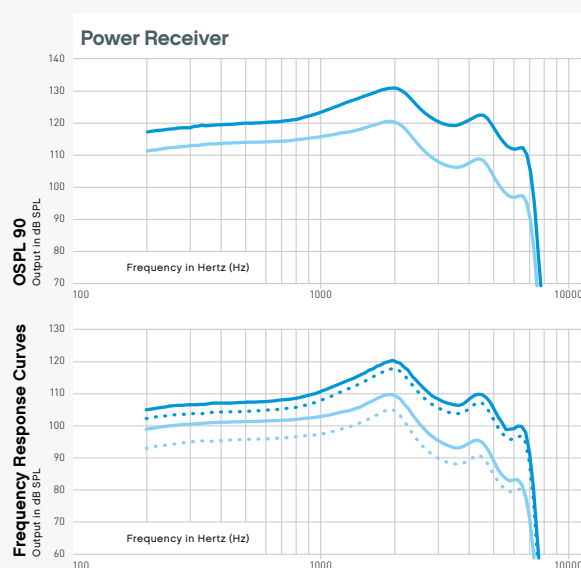
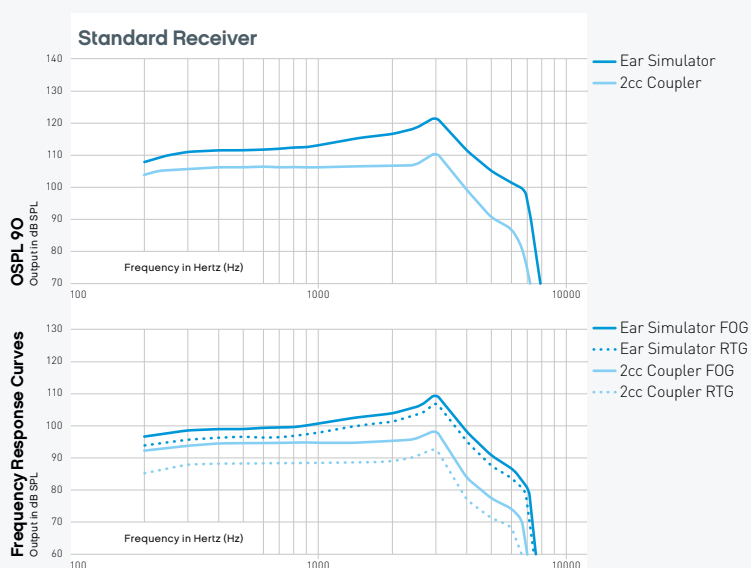
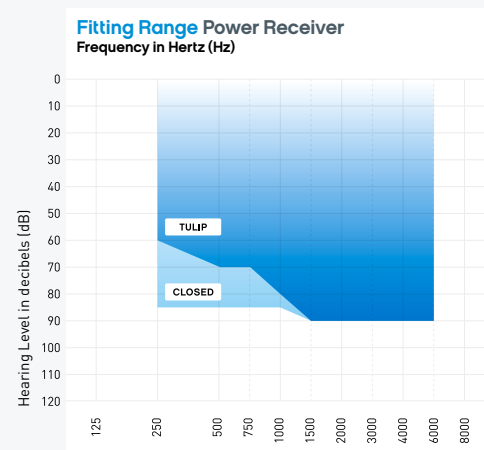
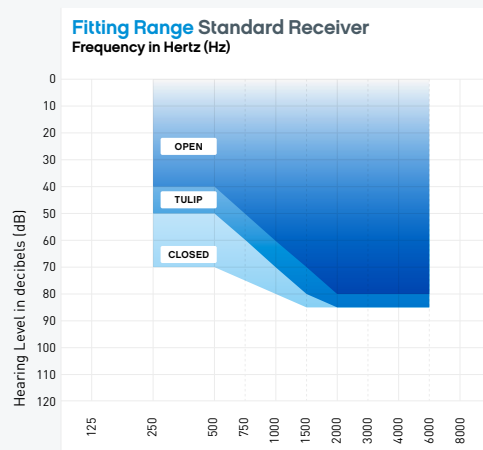
flip⁶⁰

MNR

MNRX

flip⁴⁰

MNR



		Standard Receiver		Power Receiver	
		2cc Coupler	Ear Simulator	2cc Coupler	Ear Simulator
OSPL 90, peak	dB SPL	110	121	120	131
OSPL 90, 1600 Hz	dB SPL	107	115	119	129
HFA OSPL 90	dB SPL	107	–	116	–
Full-on gain, peak	dB	48	59	60	70
Full-on gain, 1600 Hz	dB	45	53	58	67
HFA full-on gain	dB	45	–	54	–
Reference test gain	dB	29	40	38	55
Quiescent current	mA	1.1	1.1	1.1	1.1
		0.9 for FL40 MNR	0.9 for FL40 MNR	0.9 for FL40 MNR	0.9 for FL40 MNR
Operating current	mA	1.2	1.2	2.4	1.2
		1.0 for FL40 MNR	0.9 for FL40 MNR	1.0 for FL40 MNR	0.9 for FL40 MNR
Battery size		13	13		
Distortion 500/800/1600 Hz	%	<1/<1/<2	<2/<2/<3	<1/<1/<1	<2/<2/<2
Frequency range	Hz	100-6000	–	100-5700	–
Equivalent input noise ¹⁾	dB SPL	16	16	17	13
Phonocoil 1 mA/m 1600 Hz, IEC	dB SPL	76	85	91	101
Phonocoil HFA SPLITS, ANSI	dB SPL	91	–	102	–

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

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Feature Overview

	flip ¹⁰⁰	flip ⁸⁰	flip ⁶⁰	flip ⁴⁰
Sound Quality				
Signal Processing	◀..... Speech Variable Processing▶			
Frequency Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz
Noise Management				
Adaptive Feedback Canceller	■	■	■	■
Wind Noise Reduction	■	■	■	■
Soft Noise Reduction	■	■	■	■
Speech Priority Noise Reduction	4 levels	3 levels	2 levels	2 levels
Impulse Noise Reduction	■	■		
Directionality				
Fixed Directional	■	■	■	■
Adaptive Directional	■	■	■*	
Hybrid Adaptive Directional	■			
Binaural Coordination				
Binaural Volume & Program Change	■	■	■	
Binaural Environmental Classification	■	■		
Non-Telephone Ear Control	■			
Programming Options				
Universal Environment	■	■	■	■
Manual Listening Programs	4	4	3	3
Environments	13	10	8	4
Data Logging	■	■	■	■
Data Learning	■			
nEARcom Wireless Programming	●	●	●	
Patient Conveniences				
Program Button Mute	■	■	■	
Audible Performance Indicators	■	■	■	■
Start-Up Delay	■	■	■	■
Auto Telephone Detection	■	■	■	
Hardware		Accessories**		
Program Button	■	SoundGate 2 Wireless Link		●
Volume Control	■	RC-P Remote Control		●
Phone Coil	■	TV Adapter 2		●
Power Receiver Unit	●	Phone Adapter 2		●
Battery	13			
Estimated Battery Life	238 hrs.			

■ STANDARD ● OPTIONAL

*MNRx only
**Accessories for Flip 100 | 80 | 60 only

Accessories

Product	Part Number	
RC-P Remote Control	119924	
SoundGate 2	131232	
TV Adapter 2	138361	
Phone Adapter 2	130970 US 130966 EU 130964 BR 130965 CN 130968 KR 130963 AU 131570 RU 130969 NZ 130971 ZA	

Acoustic Options

Instant Fit						Custom Fit
Standard Receiver		XS	S	M	L	Custom Mold
	Open Dome	•	•	•	•	
	Extended Open Dome		•	•		
	Tulip Dome	Universal Size				
	Power Dome		•	•	•	
Power Receiver	Power Dome	•	•	•	•	Power Mold
	Tulip Dome	Universal Size				

Color Options



flipTM



**flip what's
possible**

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