

The REAL Solution for Listening to Music

Why is Harmony the number one choice for enjoying music?



Harmony[®] HiResolution[®] Bionic Ear System by Advanced Bionics[®]

AB's Harmony HiResolution Bionic Ear System

...outperforms the competition for music enjoyment

Before choosing a cochlear implant system, it's important to know how well it performs for listening to music. Advanced Bionics' Harmony® HiResolution® Bionic Ear System (Harmony) was designed with music in mind so that you hear your favorite tunes just like everyone else. From nursery rhymes to summer concerts at the park, you or your child can delight in the magical rhythms and melodies of music for a lifetime when you choose Harmony. In fact, a recent research study demonstrated that Harmony recipients listen to music more frequently and enjoy the music-listening experience more than recipients of other cochlear implant systems.⁴

Only AB offers the Harmony Advantage, featuring the world's most sophisticated technology for greater music enjoyment.

- Autosound™ circuitry provides the widest programmable Input Dynamic Range (IDR) and automatic volume control that adjusts automatically so that you don't miss a note
- The naturally placed T-Mic® Microphone makes it effortless to use your MP3 player
- Harmony's HiRes Fidelity 120®* sound processing is the only strategy that can implement simultaneous current steering to deliver all the dimensions of music (loudness, pitch, timing) for a fuller musical experience

	AB Harmony	Med-El Opus	Cochlear Nucleus 5 System
Loudness (Input Dynamic Range in dB)	80 dB	55 dB	45 dB
Pitch (Spectral Bands)	120	12	22
Timing (Stimulation Rate in pulses per second)	83,000 pps	50,700 pps	31,500 pps

Data available on file.

This advanced technology—only from AB—works in concert so that you can hear your best. Choosing AB's Harmony System will be music to your ears.



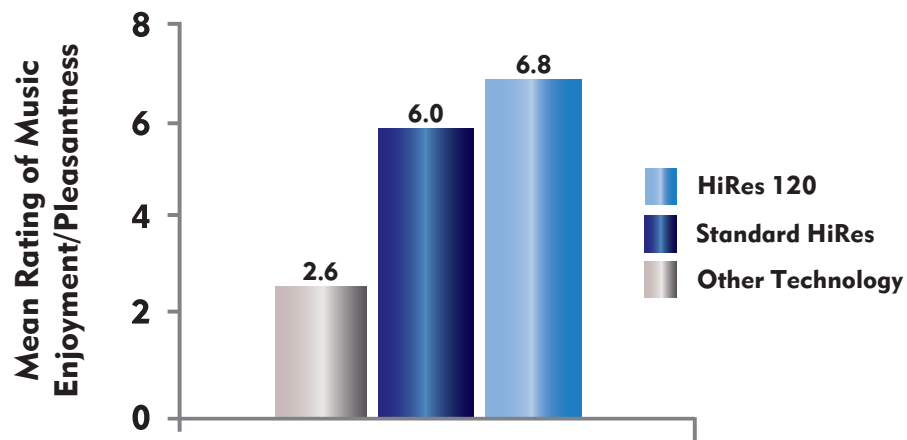
*HiRes Fidelity 120 is not available in the U.S. for pediatrics.

Hear Your Best Listening to Music Only with AB

...proven by a multicenter study

REAL SCIENCE

In a multicenter study, researchers demonstrated that Harmony recipients listen to music more frequently and enjoy the music-listening experience more than recipients of other cochlear implant systems.^{4,6}



WHY THIS MATTERS

Whether you're singing your baby to sleep or listening to a chart-topping single on the radio, music is an integral part of experiencing the richness of life. Unfortunately, hearing and appreciating music remains one of the biggest challenges for cochlear implant recipients. Harmony is designed for you to enjoy the melodies, harmonies, and rhythms of your favorite songs and performers. This important study proves that Harmony recipients have the opportunity to hear and enjoy music better than ever before.

"Current steering [HiRes Fidelity 120]...represents arguably the most exciting development in sound processing strategies since the introduction of the multichannel implant...the ability to perceive music is being increasingly viewed as a pinnacle of achievement that may be possible through cochlear implants."—**Charles J. Limb, MD**; Associate Professor, Department of Otolaryngology, Johns Hopkins Hospital; from *Current Opinion in Otolaryngology-Head and Neck Surgery*, 14:337–340, 2006.⁵

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References

1. Spahr A, Dorman MF, Loisel LH. 2007. Performance of Patients Using Different Cochlear Implant Systems: Effects of Input Dynamic Range. *Ear and Hearing* 28 (2): 260–275.
2. Haumann S, Büchner A, Lenarz Th. Does the Input Dynamic Range of Cochlear Implant Processors Influence Speech Perception in Adverse Listening Situations? Oral Presentation at the 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, CA, April 10–12, 2008.
3. Advanced Bionics Consumer Reliability Report. 2009.
4. Quick A, Koch DB, Osberger MJ. HiResolution with Fidelity 120 Sound Processing: Listening Benefits in CII and HiRes 90K Implant Users. Poster Presentation at the Conference on Implantable Auditory Prostheses, July 15–20, 2007, Lake Tahoe, California.
5. Limb, C. 2006. Cochlear Implant-Mediated Perception of Music. *Current Opinion in Otolaryngology & Head and Neck Surgery*. 14:337–340.
6. Mirza S, Douglas SA, Lindsey P, Hildreth T, Hawthorne M. 2003. Appreciation of Music in Adult Patients with Cochlear Implants. *Cochlear Implants International*. 4(2): 85–95.

