

Fact sheet

May 2018

roger

Roger™ and BabyBeats™ for Early Intervention

Research shows that early, consistent experience with music promotes natural bonding and lays the foundation for communication, listening and cognitive development.^{1,2} When a baby is first identified with hearing loss, it is important to intervene as soon as possible by establishing consistent hearing instrument use and providing a language-rich environment.

BabyBeats

This interactive app is filled with motivating and fun musical activities to help parents and their little one's with hearing loss bond, play, and learn together. Based on best practice and years of experience in the field of early intervention, BabyBeats is designed to support auditory skill development through thoughtful and intentional use of music, sound and voice. The app guides parents through musical activities that enrich early brain development and prime children for speech, language, literacy and learning.

Roger

Roger is a wireless remote microphone system that improves access to speech over distance and in noisy situations. A Roger microphone, worn by the parent, picks up the voice and transmits it wirelessly to small receivers attached to the child's hearing instruments. Using a Roger system at home has been shown to provide children with access to approximately 5,300 more words in an 8-hour day, compared to wearing hearing instruments alone.³ In a time of life where every word counts, this additional access is critical.

BabyBeats and Roger

Together, BabyBeats and Roger help improve early listening and communication skills. Babies and toddlers won't miss a beat with Roger and BabyBeats.

¹ Patel, A. D. (2003). Language, music, syntax and the brain. *Nature Neuroscience*, 6(7), 674-681.

² Francois, C., & Schon, D. (2011). Musical expertise boosts implicit learning of both musical and linguistic structures. *Cerebral Cortex* (New York, N.Y.: 1991), 21(10), 2357-2365.

³ Benitez-Barrera, C.R, Angley G.P., & Tharpe, A.M. (2018). Remote microphone system use at home: Impact on caregiver talk. *Journal of Speech, Language and Hearing Research*, Vol. 61, 399-409.

Getting started

Using BabyBeats and Roger Touchscreen Mic

1. Switch on the Roger Touchscreen Mic and ensure your child's Roger receivers are attached to their hearing instruments. Hold the microphone within 10 cm/4" of each receiver and tap the connect  icon on the microphone display.

2. Place the microphone flat on the floor (automatically activating 'Small Group mode') within ~ 50 cm/20" of the device which will be playing BabyBeats.



3. Open the BabyBeats app on your mobile device and remember to sit close (within 1 meter/3 feet) to ensure the microphone is picking up your voice and the musical tracks clearly, delivering the sound directly to your child's receivers.

or

for activities with more movement, pair a Bluetooth® portable loudspeaker to your mobile device for greater volume.

4. Tap the microphone mode  icon on the touchscreen and choose 'Small Group mode.' Then place the microphone around the neck using the lanyard.

5. You are ready to go. Enjoy!

Using BabyBeats and Roger Pen™

1. Switch on the Roger Pen and ensure your child's Roger receivers are attached to their hearing instruments. Hold the microphone within 10 cm/4" of each receiver and press the  connect button.

2. Place the Roger Pen flat on the floor within ~ 50 cm/20" of the mobile device.



3. Open the BabyBeats app on your mobile device and remember to sit close (within 1 meter/3 feet) to ensure the microphone is picking up your voice and the musical tracks clearly, delivering the sound directly to your child's receivers.

or

for activities with more movement, pair a Bluetooth portable loudspeaker to your mobile device for greater volume. Place the Roger Pen around the neck using the lanyard.

4. You are ready to go. Enjoy!

Download the app to get full access.



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