



# LifeVibes™ BlueSound

## Vibrant sound quality for Bluetooth headsets

*On the way to his next meeting, Alan puts on his Bluetooth headset. He has a moment to unwind after his big presentation and listening to music is the perfect relaxation. His headset looks good and fits well, but above all, he chose it for the sound quality. That includes the high-class stereo playback – a genuine delight on such a small device.*

Our LifeVibes BlueSound is a unique combination of music enhancements that transform the experience of listening to music on Bluetooth devices. With BlueSound even the smallest headset can offer music quality that stands out from the crowd.

### **Functions and features**

BlueSound is a package of music enhancements optimized for Bluetooth headsets and speakers. It incorporates our proven LifeVibes ConcertSound, patented PureBass and treble enhancement for a vibrant listening experience.

ConcertSound uses Head Related Transfer Function (HRFT) techniques to create a natural 3D surround sound effect on headphones. This eliminates the unpleasant sensation common to headphones that the music is coming from between the listener's ears. As a result, listening is more comfortable and enjoyable. PureBass adds to this listening pleasure by ensuring optimal bass at all volume levels.

For speaker applications, ConcertSound uses similar HRTF techniques to 'widen the stereo', so even closely-placed speakers deliver truly stereo audio reproduction.

### **Automatic volume leveling – outstandingly convenient**

Besides great sound quality, BlueSound ensures exceptional ease-of-use. It incorporates our LifeVibes AutoVolume so users can enjoy every moment of every track without having to tweak hard-to-reach control buttons. AutoVolume does all the work, automatically leveling out volume differences between tracks (regardless of how they were originally recorded).

### **Optimized for Bluetooth devices**

Optimized for small devices, BlueSound can be implemented on headsets with extremely limited processing capacity. It enhances the listening experience without a significant impact on battery lifetime.



## Key benefits

### Handset maker

- ▶ Provides a high quality music experience on Bluetooth headsets and speakers
- ▶ Optimized to deliver outstanding performance on the tiniest of devices

### User

- ▶ Rich, natural 3D effect for Bluetooth headphones and speakers
- ▶ Deep, undistorted bass boost, and sparkling treble enhancement.
- ▶ Automatic volume leveling – no need to adjust controls while listening

LifeVibes™ BlueSound is available as a pre-integrated solution on CSR's BlueCore5-Multimedia, as one of NXP Software's contributions to CSR's eXtension Partner Program.

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