

## **CSR brings multi-microphone technology to BlueCore5-Multimedia through collaboration with Dynamic Hearing**

**Cambridge, UK – 7 June 2007** – CSR (LSE: CSR) today announced that it is now able to offer multi-microphone configuration for Bluetooth headsets via its partnership with Dynamic Hearing. Available on CSR's BlueCore-Multimedia platform, Dynamic Hearing's ATLAS software library suite has been expanded to incorporate a multi-microphone option, called VoiceField, bringing an extremely clean transmit signal in headset environments.

As CSR's BlueCore5-Multimedia is the only Bluetooth silicon to combine both integrated DSP and memory, it is in the unique position to be able to provide third party enhancements such as Dynamic Hearing's ATLAS with VoiceField.

VoiceField uses two microphones to capture the speech of the headset user before it is lost amongst competing noise sources. ATLAS with VoiceField is optimised for very low power requirements and very low signal latency on the CSR BlueCore Multimedia platform.

Combined with CSR's BlueCore-Multimedia, Dynamic Hearing's VoiceField multi-microphone technology is the latest addition to their ATLAS solution, which also includes acoustic echo suppression, automatic handsfree volume control and programmable equalisation in 33 frequency bands of both the transmitted and received audio signal. This enhanced solution provides industry-leading clear audio for headset applications.

Anthony Murray, Senior Vice President of CSR's Wireless Audio Strategic Business Unit commented, "As the only Bluetooth silicon on the market that can port such third-party software onto its platform, CSR's BlueCore5-Multimedia offers the most dynamic solution available today. The addition of VoiceField onto CSR's platform only serves to underline CSR's commitment to provide its customers with Bluetooth devices without compromise."

Dr. Elaine Saunders, CEO of Dynamic Hearing added, "The beauty of CSR's BlueCore5-Multimedia is the flexibility that allows us to swiftly upgrade our software for the benefit of customers. ATLAS with VoiceField provides real added value for customers to quickly and easily enrich the experience of headset users."

CSR's BlueCore-Multimedia silicon provides best-in-class signal-to-noise ratio of 95dB and leads the field in power consumption, enabling a battery life of more than

24 hours of music playback. In addition, the radio transmits at -6.5dBm and receives at -90dBm, eliminating interference when listening to music or making a call.

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### **About CSR**

CSR is the leading global provider of personal wireless technology and its product portfolio covers Bluetooth, GPS, FM receivers and WiFi (IEEE802.11). CSR offers developed hardware/software solutions, based around its silicon platforms, that incorporate, fully integrated radio, baseband and microcontroller elements.

CSR's customers include industry leaders such as Apple, Dell, LG, Motorola, NEC, Nokia, Panasonic, RIM, Samsung, Sharp, Sony, TomTom and Toshiba.

CSR has its headquarters and offices in Cambridge, UK, and offices in Japan, Korea, Taiwan, China, India, France, Denmark, Sweden and both Dallas and Detroit in the USA.

More information can be found at [www.csr.com](http://www.csr.com)

### **About Dynamic Hearing**

Dynamic Hearing Pty Ltd, headquartered in Melbourne, Australia, provides advanced digital signal processing solutions for personal communication devices as embedded software. All technology developed by Dynamic Hearing is designed to enhance the experience of sound for listeners in any environment, providing them with greater mobility and improved lifestyle.

The company licenses its technology to international manufacturers of, headsets, hearing aids and other personal communication devices, and has a high performance team of audiologists, scientists, software programmers and DSP engineers, led by a business and management team, focused on rapid product development, scientific validation and sound commercial partnership.

More information can be found at [www.dynamichearing.com.au](http://www.dynamichearing.com.au)