



ATS6030 SoundClear® Dual-Mic Solution For CSR BC5-MM Headsets

Enabling the Highest Quality Hands-Free Products

Breakthrough Noise Reduction for Bluetooth Headsets

ATS6030 is the latest headset solution in the SoundClear® family, now with new noise field rendering technology. This latest breakthrough technology delivers lightning fast noise adaptation with InstantAdapt™ and significantly enhances noise reduction in extreme environments as found in loud restaurants, pubs, airports, or sporting arenas. Additionally Acoustic has implemented an enhanced configurable equalization technology, FlexEQ™, providing almost endless capability to shape the sound quality without the distortion and limitations of alternative parametric and graphic equalizer implementations.

Combined with powerful echo cancellation and intelligently adapting controls, ATS6030 dynamically adjusts to the user's environment and network conditions to deliver superior call-to-call consistency and the highest quality full-duplex performance on every call.

Optimized for the CSR BC5-MM, ATS6030 is based on robust, patented DSP techniques field proven in over 30 million units with Tier 1 customers worldwide.

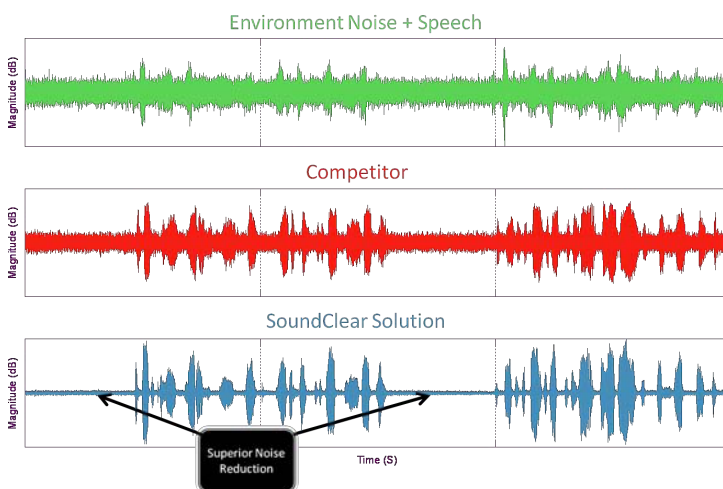


Functions and Features

The ATS6030 SoundClear solution utilizes two microphones to eliminate noise and achieve a remarkable sound quality.

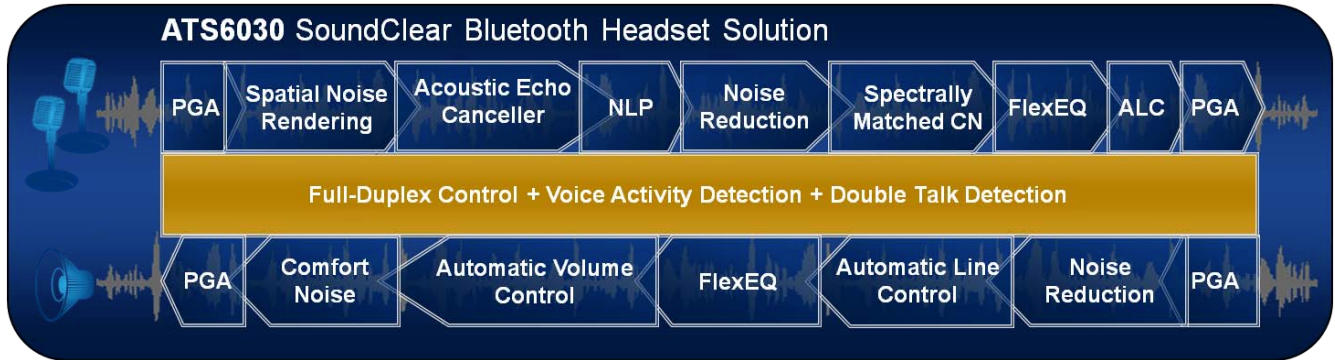
Key Features

- Dual Microphone Noise Field Rendering
- Multi-stage Beamforming
- Automatic Level Control
- FastAdapt Instant Adaptation
- No Microphone Calibration Required
- Full-duplex, Echo Free Operation
- Optimized for Minimal Power Dissipation
- Simple and Fast Tuning with RAPID2™ Tool





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SoundClear® Technology

The SoundClear performance advantage is achieved through a combination of several patented techniques including adaptive filtering, voice activity detection, double talk detection, sophisticated call-mode processing, enhanced nonlinear processing, and spectrally matched background insertion.

Acoustic Technologies is focused on providing technical leadership targeted at solving our customer's problems. We leverage our extensive patent portfolio and 10 years of experience producing the highest voice quality solution. The ATS6030 is highly optimized for CSR based Bluetooth Headset designs.

SoundAdvice™ Audio Consulting Services

Acoustics' experienced software, hardware, system, and audio engineers utilize state-of-the-art audio equipment to assist with customer projects. Audio consulting includes test and measurement, electrical analysis, mechanical analysis and recommendations on transducers and plastics.

For complete product improvement, Acoustic prepares a comprehensive report citing the acoustic analysis results and detailed recommendations for achieving optimal sound quality of the end product. SoundAdvice audio consulting service helps customers get products to market quickly and with the highest quality audio performance.

RAPID2™ Tuning and Optimization

Acoustic Technologies offers RAPID2 (Real-time Audio Perfection and Integration Diagnostics), a PC-based tool that allows developers to easily, and in real-time, monitor and tune programmable parameters in the SoundClear software via a simple Graphical User Interface (GUI).

- Fast and easy tuning
- Intuitive block-diagram view
- System performance diagnostics
- Expandable via plug-ins



CSR Partner

Acoustic Technologies is a member of the CSR eXtension Partner Program.