



ATS6020 SoundClear® Dual-Mic Solution For CSR BC5-MM Headsets

Enabling the Highest Quality Hands-Free Products

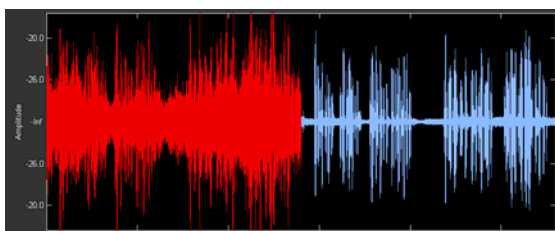
Best Noise Cancellation with New Multi-stage Beamforming

ATS6020 is the latest headset solution in the SoundClear® family. Its multi-stage beamforming dual-mic technology eliminates an expanded spectrum of unwanted noise encountered by every headset user, leaving only clear and natural speech.

Combined with powerful echo cancellation and automatic volume and line level controls, ATS6020 dynamically adjusts to user 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, ATS6020 is based on robust, patented DSP techniques field proven in over 28 million units worldwide. Acoustic Technologies brings together the superior SoundClear Technology, real-time tuning and diagnostics with the RAPID™ tool, and the unparalleled SoundAdvice™ Audio Consulting Services to reduce development cost, risk, and time to market.

ATS6020 on the CSR BC5-MM is available today enabling headset designs to deliver remarkably clear voice quality without the distraction of unwanted noise.



No Audio Processing

Unwanted Noise Removed with SoundClear Multi-stage Beamforming



Functions and Features

The ATS6020 SoundClear solution utilizes two microphones to eliminate noise and achieve a high level of sound quality.

Key Features

- Up to 24 dB Ambient Noise Cancellation
- Dual Microphone Solution
- Multi-stage Beamforming
- Automatic Volume Control
- Automatic Level Control
- No Microphone Calibration Required
- Full-duplex, Echo Free Operation



CSR Partner

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



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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 ATS6020 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

RAPID™ Tuning and Optimization

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

- Fast and easy tuning with a step by step wizard
- Monitoring system behavior
- Optimizing system audio performance

