BSS Audio has entered the conference room... and is at the head of the table.

**GREAT RECIPES START WITH GREAT INGREDIENTS**

With over 25 years of experience in audio processing, BSS Audio knows what it takes to satisfy even the most discerning audio critic. The Acoustic Echo Cancellation (AEC) algorithms found in the Soundweb London BLU-101 and BLU-102 open-architecture conferencing processors are the same outstanding algorithms used in the world-renowned Soundweb London AEC Input Cards. Since the Soundweb London AEC algorithm was always put on dedicated processors, all of the configurable DSP is available for other processing.

**HEARING ONLY WHAT’S IMPORTANT**

Fans may be cooling projectors and HVAC may be cooling meeting attendees, but that doesn’t mean that remote callers want to hear them. The Soundweb London Noise Cancellation (NC) algorithm has its heritage in automotive applications, where noise poses a significant conference challenge. Specifically adapted for the conference room, the Soundweb London NC algorithm effortlessly removes steady-state noise from remote callers.

**IT’S OUR DIFFERENCES THAT MAKE US UNIQUE**

As system designers, we have no control over attendee speech levels and there is no guarantee that individuals will remain in optimum physical locations. Fortunately, the Soundweb London Auto Gain Control (AGC) algorithms can be employed to increase the level of quiet wanderers of the conference room and decrease the level of the loud participant next to the microphone.

**EVERYTHING UNDER ONE ROOF**

HiQnet™ London Architect is the configuration, control and monitoring application for all of the Soundweb London devices. It is whether providing conferencing to a full explodes conference room or a gigantic, networked corporate facility – users will feel at home with a single, familiar drag-and-drop software application.

**LONDON CALLING**

Using the Soundweb London dialer is as simple as using a phone and all of the buttons and Speed Dial Numbers to tie in your valuable satellite pointed control systems. Auto Answer and DTMF detect, featured on the Soundweb London Telephone Hybrid Card and within the BLU-102 conferencing processor, facilitates remote maintenance or telephone paging.

**DIVIDE AND CONQUER**

An individual reference per AEC path means that single devices can avoid across multiple conference spaces, or that large conference rooms can be seamlessly combined and uncombined using the Soundweb London Room Combine Processing Object.

The Soundweb London conferencing products and the other members of the Soundweb London family provide the building blocks of the perfectly tailored system solution.
ECHO CANCELLATION?

When a remote caller on the far-side speaks, their voice travels through the phone system and is heard through the loudspeakers by the conference room attendees on the near-side. In addition to reaching the conference room attendees’ ears, the remote caller’s voice also enters the conference room microphones, both direct and indirect, and reflections from the conference room surfaces. The direct and indirect invades audio artifacts caused by the room reflections. A delay caused by the round trip through the phone system and the remote caller would hear an echo of their own voice, with the conference room attendees. Without Acoustic Echo Cancellation, the conference room attendees.

The Acoustic Echo Cancellation algorithms remove the unwanted far-side audio from the conference room attendees.

As a result, the voices of the conference room attendees are transmitted through the phone microphone signals. The result, which is simply the voices of the conference room attendees.

When a remote caller on the far-side speaks, their voice also enters the conference room microphones, both directly and as reflections from the conference room surfaces. This direct and indirect audio is transmitted through the phone system to the remote caller. Without Acoustic Echo Cancellation, the remote caller would hear an echo of their own voice, with a delay caused by the round trip through the phone system and audio artifacts caused by the room reflections.

The power, flexibility and reliability for any scale of installed sound system. Building blocks of a tailor-made system.

Whether a solo or a full ensemble, Soundweb London delivers the perfect performance.

WHY DO WE NEED ACOUSTIC ECHO CANCELLATION?

In a conference room environment, the remote caller’s voice is transmitted through the phone system to the conference room attendees. In addition to reaching the conference room attendees’ ears, the remote caller’s voice also enters the conference room microphones, both direct and indirect, and reflections from the conference room surfaces. The direct and indirect voice travels through the phone system and is heard through the loudspeakers by the conference room attendees on the near-side. In addition to reaching the conference room attendees’ ears, the remote caller’s voice also enters the conference room microphones, both direct and indirect, and reflections from the conference room surfaces. The direct and indirect voice travels through the phone system to the remote caller. Without Acoustic Echo Cancellation, the remote caller would hear an echo of their own voice, with a delay caused by the round trip through the phone system and audio artifacts caused by the room reflections.

The Acoustic Echo Cancellation algorithms remove the unwanted direct and indirect voice from the conference room attendees’ ears, the remote callee’s voice also enters the conference room microphones.

A delay caused by the round trip through the phone system and audio artifacts caused by the room reflections.

The result, which is simply the voices of the conference room attendees. When a remote caller on the far-side speaks, their voice travels through the phone system and is heard through the loudspeakers by the conference room attendees on the near-side. In addition to reaching the conference room attendees’ ears, the remote caller’s voice also enters the conference room microphones, both direct and indirect, and reflections from the conference room surfaces. The direct and indirect voice travels through the phone system to the remote caller. Without Acoustic Echo Cancellation, the remote caller would hear an echo of their own voice, with a delay caused by the round trip through the phone system and audio artifacts caused by the room reflections.

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