

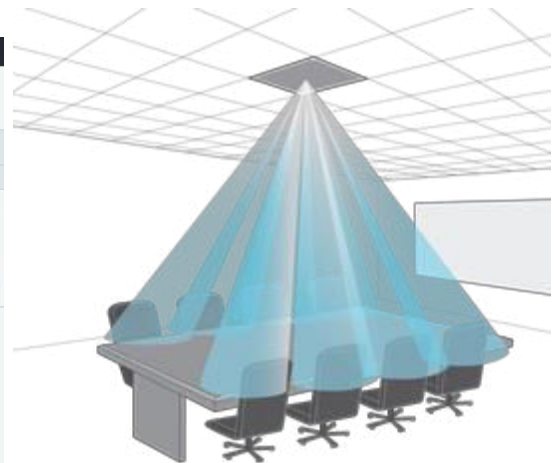
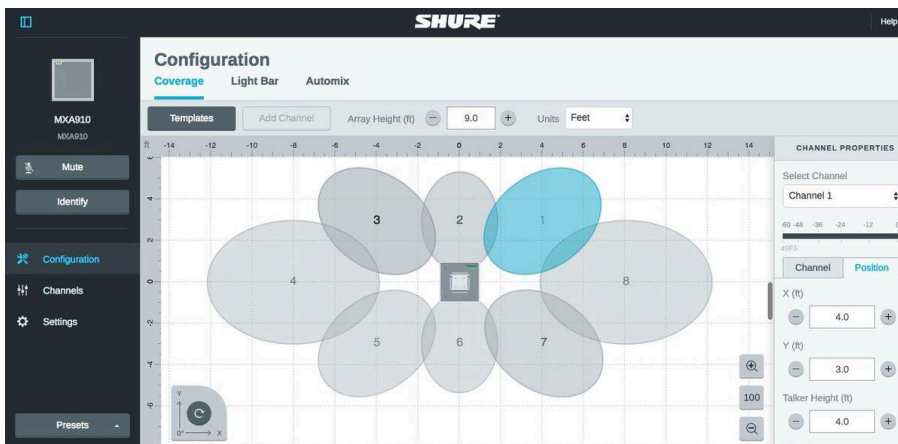
Microphone technology has changed a lot in the last few years. Today's microphones are intelligent DSP controlled array microphones that can track the individual speaking or allow the designer to create nodes to improve the audio quality even when the person is on the other side of the room. No longer do you need to place a bunch of microphones on an expensive table to pick-up the speaker. Today's microphones can be installed in the ceiling or on the wall and still sound as though they are on the table.

Shure MAX910

The Shure MAX910 looks more like a speaker than a microphone. It is installed above the conference table and one can cover most rooms. The designer uses a web based configuration tool to setup the microphone nodes. Instead of wiring several Mics to a DSP, the MAX910 uses Dante over a standard network to connect to a DSP. Several of the DSPs now support Dante to make it as easy as possible to install systems.



<http://www.shure.com/americas/products/microphones/microflex-advance/mxa910-ceiling-array-microphone>



Nureva HDL300

The Nureva HDL300 uses a technology they call Microphone Mist™ with 8,192 virtual microphones. This unit is designed to connect directly to a PC using USB for PC based audio and video teleconferencing. There are line inputs and outputs that can be connected to a DSP. Included in the unit is a 20Wx2 speaker system that is controlled by the PC with its driver.

At the PC there is a breakout box to connect USB to the PC and an RJ45 with PoE to the unit. Below shows all of the hardware that comes with the unit:



TEKVOX is a reseller of the Nureva HDL300 and is supplied in some of our collaboration systems.

<https://www.nureva.com/hdl300-audio-conferencing-system>



CLEARCON Digital Array Microphone for Boardrooms

Digital array microphones have also expanded into the table top adding improved audio quality and a better pickup pattern. As shown below on the left, a standard microphone pattern is much smaller compared to the array Mic. With a standard microphone a person cannot lean back in their chair or turn side-to-side without losing a lot of level in their voice.

The microphone system is designed for boardroom applications and can be used in voting systems. Microphones are purchased as Chairman and Delegates.

The microphones are connected using a Cat5e cable and are daisy-changed together. This simplifies the installation and reduces the number of cables.

TEKVOX is a distributor of these systems.

