

Benefits of using SoundStructure™ with Polycom® HDX



SoundStructure & Polycom HDX: High-Performance HD Voice and Video for More Productive Remote Collaboration

Polycom HDX delivers powerful high definition visual communication experiences from the meeting room to the auditorium. Polycom SoundStructure delivers a truly immersive audio conferencing experience that sets the standard for performance and ease of configuration. When combined together, they deliver natural, life-like voice and video conferencing that raises productivity to a whole new level.

Designed For Seamless Integration

The SoundStructure and HDX systems have been designed to work together seamlessly. The easy-to-use SoundStructure Studio software allows you to select HDX as a digital audio source, using pre-configured settings to instantly enable SoundStructure to take over all audio processing from HDX. This results in both optimal audio quality and very fast configuration, without requiring additional analog input and outputs. Fully digital audio is transmitted between the units without needing to convert to analog signals, ensuring crystal-clear sound. SoundStructure also extends the benefits of StereoSurround™ and Siren™ 22, which are built into Polycom's HDX system.

Extend HD Voice to your HD Video Experience

In addition to full compatibility with the audio features built into Polycom HDX, SoundStructure delivers many additional audio features that benefit HD video deployments in any size conference room:

- Customizable audio matrix for any custom signal routing of inputs to outputs, such as room combining and dividing scenarios, and bridging audio from different conferencing devices
- Logic and events support for push-to-talk microphones, camera control, and numerous other applications
- Configurable noise reduction technology eliminates a broader range of background noises
- Feedback reduction technology enables much greater flexibility when designing and configuring the audio for in-room reinforcement applications
- Gain sharing microphone mixers create smoother transitions between talkers for more natural conversations among all participants
- Advanced equalization options allow far greater flexibility in designing the room audio
- Dynamics processing results in more consistent, pleasing audio levels for all participants
- Use the HDX microphones individually or collectively for room combining applications
- Advanced telephony configuration options provide much greater control over how audio-only participants sound

Scalability for Larger Rooms

For Polycom HDX applications in large environments, SoundStructure enables far greater numbers of microphones and loudspeakers to be used, optimizing the audio experience for all participants, providing unprecedented flexibility for room combine and divide applications, and simplifying sound reinforcement applications. SoundStructure's exclusive OBAM™ matrix architecture enables up to 8 units to work together seamlessly, with up to 128 inputs and outputs for robust audio even in the largest meeting spaces.

Direct Integration with Polycom HDX Microphones

In addition to direct integration with HDX, SoundStructure can also connect directly to the Polycom HDX microphone array and HDX Ceiling Microphone Array. In environments where HDX is being used, simply connect the HDX

microphones or HDX Ceiling Microphone Array directly to SoundStructure to take advantage of SoundStructure's advanced audio processing and performance. SoundStructure design software makes it easy to use these microphones and SoundStructure automatically recognizes the microphones once they are plugged in. Up to four HDX microphones or HDX Ceiling Microphone Arrays can be connected to a SoundStructure unit at a time, or mix-and-match HDX microphones with analog microphones.

Even in audio-only environments where HDX is not being used, the HDX microphones or HDX Ceiling Microphone Array can still be directly integrated with SoundStructure, delivering a high-performance installed audio solution that can be up and running quickly.



Polycom HDX Microphone Array



Polycom HDX Ceiling Microphone Array