

AUDIO CONFERENCE WITH BRIDGIT™ AND SMARTBOARD

Data conferences between several Smartboard users are made possible with Smartboard Servers and the installed Bridgit™ Conferencing Software. In this way data is transferred for control and visualisation.

Furthermore, the audio interface can be used for operating local loudspeakers or for voice transmission via Skype. For their boards, Smart Technologies offers appropriate active loudspeakers, which can be directly operated via sound card.

CHALLENGE

In data conferences the audio support is rarely used, as it is worked “with the phone between ear and shoulder”. Thus, an appropriate audio equipment recording the voice of the participants and eliminating existing reverberations does not exist. Therefore, awkward handling and difficult communication via telephone complicate the data conference. Furthermore, phoning causes extra costs, which could be saved with an audio support via LAN.

SOLUTION

By placing beyerdynamic Revoluto microphones near the Smartboard it is possible to record all participants in front of the Smartboard and within the room. By using an Audio processor with echo cancelling (biamp) and connected in series, it avoids the return of the audio signal of the virtual participant at the loudspeaker, which is picked up by the microphones. Without this audio processor an echo effect would arise on the side of the virtual participant. Furthermore, the incoming audio signal will be optimised with this device, adapted to the loudspeakers and reproduced.

YOUR ADVANTAGES

Thanks to the Revoluto microphones the data conference users now enjoy more freedom of movement with the Smartboard and are no longer dependant on using a telephone. In this way all participants within the room can acoustically follow the conference. The sound has also been optimised with an Echo Canceller.

With this solution telephone costs belong to the past.

Data conference with Revoluto microphones – Optimal speech intelligibility and freedom of movement due to the corridor characteristics

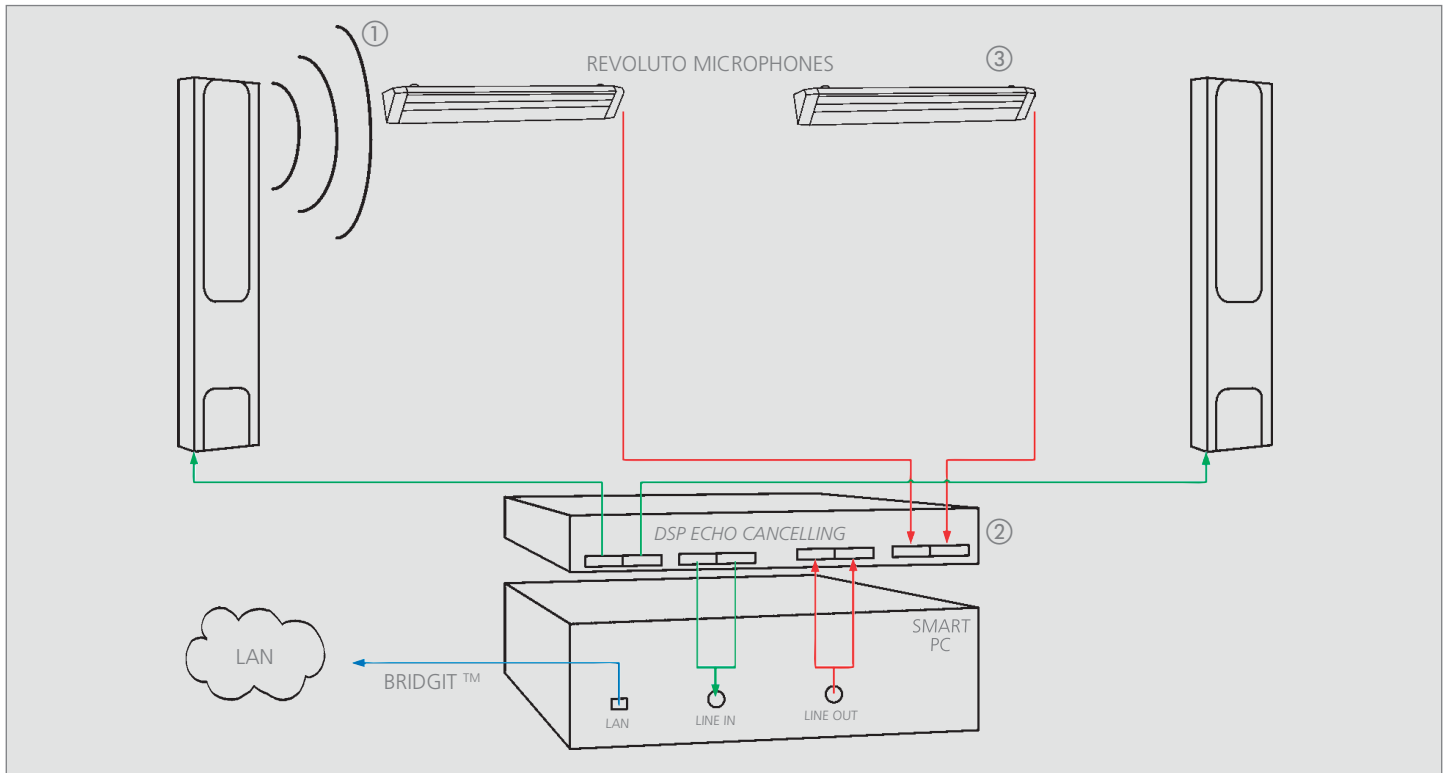
For the data conference the following components are required:

- 2 x MPR 211 - Revoluto microphone including holders
- 1 x Nexia® VC - Echo Canceller

MPR 211

Nexia® VC

OPERATIONAL SETUP

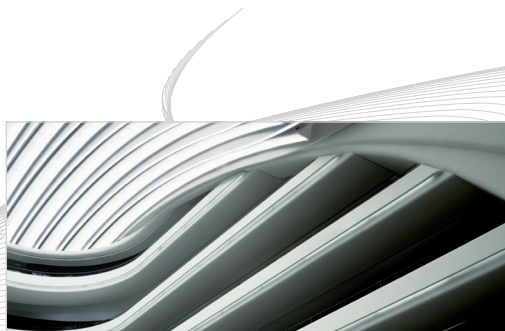


- ① Without a DSP audio processor the signal of the loudspeakers will produce an inconvenient echo at the Smartboard for the other conference partners
- ② The Echo Canceller connected in series between Smart PC and loudspeaker will eliminate this echo
- ③ The microphones with corridor characteristic will pick up the speech within the room along the wide area of the Smartboard

See for yourself
See and listen to Revolto compared with gooseneck and boundary microphones in a videoconference clip at www.beyerdynamic.com/revolto

Revolto Technology – The the freedom of speech

The microphone units with the patented Revolto technology are provided with a so-called corridor characteristic. In most applications Revolto ensures more comfort while speaking than gooseneck microphones. Adjusting the gooseneck microphone can be omitted, the voice zone is much larger and there is no need to maintain the exact direction or position of speaking. Whether standing, leaning backwards or speaking to the side, the quality of speech always remains the same with Revolto.



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