

CONFERENCE UNIT ARCHITECT SPECIFICATIONS

The portable conference unit shall provide fully digital audio transmission for the DIS DCS 6000 Digital Conference System. The unit shall be a tabletop mounted chairman or delegate discussion unit. It shall feature a microphone on/off button, a high quality loudspeaker and a lockable XLR gooseneck microphone connector, and two channel selectors each with a 3.5 mm female socket stereo headphone jack.

The unit shall connect to the DCS 6000 System in a daisy-chain topology using shielded CAT 5e (or higher) F/UTP, or U/FTP cables. The DCS-LAN protocol shall transport power, audio, and control data across a chain of conference units including a proprietary codec algorithm to prevent unauthorized listening to the audio signal.

The conference unit shall support all microphone operation modes in the DCS 6000 system: Automatic, FIFO, Manual and VOX (voice activation). The unit shall operate with the reply setting that allows brief questions or comments to a speaker, without losing place in the request queue. The unit shall support three microphone interrupt modes.

An LED ring shall be provided around the speak button. It shall illuminate red to indicate that the microphone is on, and illuminate green to indicate it is in the request queue. The unit shall support light-ring gooseneck microphones in the DIS GM 6xxx series. The microphone LED ring shall illuminate red when the microphone is on.

A 3-pin XLR socket shall provide connection to the DIS GM 6xxx series gooseneck microphones. The XLR socket shall have a lock that is accessible from a small hole beside the socket, and locked with a 2 mm hex key.

A loudspeaker shall be integrated into the unit to listen to the floor audio. When the microphone is not on, the floor channel shall be distributed through the built-in loudspeaker. When the microphone is activated, the loudspeaker shall turn off to avoid feedback. It shall have a frequency response of 150 Hz-15 kHz. The loudspeaker shall have a power maximum of 3.0 W RMS.

The left button shall change functionality depending on the configuration. The chairman configuration enables all delegates off functionality in the left button, while the delegate configuration enables a temporary mute functionality in the left button. The function button is exchangeable to match the current functionality of the unit.

The unit shall provide access to any interpretation channel in the DCS 6000 system. The unit shall provide monitoring for two people by providing two headphone jacks, channel selectors, and volume controls. The headphone frequency response shall be 65 Hz-16 kHz.

The conference unit shall measure 61 mm in height, 150 mm in width and 168 mm in depth. The unit shall weigh 650g, with a temperature range of 5° to 40° C. It shall be made of black anodized aluminum. The power consumption shall be 2.5 W, and the power requirements shall be supplied from the central unit or an additional DCS 6000 power supply.

The conference unit shall be a DIS DC 6190 P.