

## Delegate Microphone Unit

The delegate microphone unit shall provide fully digital audio transmission for the DIS DCS 6000 Digital Conference System. The unit shall be a flush mounted delegate unit, with a lockable XLR gooseneck microphone connector, microphone on/off button, a connector for an external loudspeaker, and a channel selector with 3.5 mm female stereo headphone socket. The conference unit shall be microprocessor controlled, with three button voting facilities, and a chip card reader for system user identification.

The unit shall connect to the DCS-LAN 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 discussion units, including a proprietary codec algorithm to prevent unauthorized listening to the audio signal.

The microphone button shall enable the user to activate/deactivate the microphone directly or by a *request to speak*. A LED shall indicate if the microphone is on (red LED), or in *request to speak* mode (green LED). A 3-pin XLR shall provide connection to the GM 6xxx series gooseneck microphone.

The conference unit shall support four microphone operation modes: Automatic, FIFO, Manual and VOX (voice activation). The unit shall support three microphone interrupt modes.

The delegate microphone unit shall provide input/output connection with two DCS-LAN daisy chain digital STP/FTP Cat5e cables, via RJ45 female sockets, that are screened and include auto-termination.

The unit shall provide one 3-digit back lit LCD to display up to 32 language/channel numbers or volume control. The unit shall have an external loudspeaker connector and shall provide a frequency range of 150 Hz – 15 kHz, with a power maximum of 3 W RMS.

The delegate microphone unit shall measure 50 mm in height, 240 mm in width and 95 mm in depth. The panel cutout shall measure 46 mm in height and 220 mm in width. The unit shall weigh 450g, with a temperature range of 5° to 40° C.

The delegate microphone unit shall be a DIS DM 6588 F.