

## 3 Your DDS 5900 Discussion System

### 3.1 System overview

DDS 5900 Digital Discussion System is a system to be used at meetings, where a number of people are addressing the 'Floor' in a structured manor. The audio from the discussion units can be heard in the built in loudspeakers in the units.

The system does also allow for simultaneous interpretation for international conferences where multiple languages are used.

To enable all participants to understand the proceedings, interpreters can simultaneously translate the speaker's language as required. These interpretations are distributed through the connected discussion units and delegates can select the language of their choice and listen to it through headphones.

DDS 5900 Digital Discussion System comprises of one Central Unit and a number of Discussion Units and Gooseneck Microphones.

#### 3.1.1 CU 5905 Central Unit



Figure 3.1-A CU 5905 Central Unit

The central unit is the core of the DDS 5900 Digital Discussion System. Only one CU 5905 can be used in each system.

### 3.2 System technology

#### 3.2.1 Audio transmission

The DDS 5900 Digital Discussion System is based on a digital transmission of audio from the discussion unit

#### 3.1.2 DC 5980P Discussion Unit



Figure 3.1-B DC 5980P Discussion Unit.

The discussion unit can be configured for the following functionality:

- Delegate with Speak/Request button
- Delegate with Speak/Request and Mute button
- Chairman with Speak and Delegate Off button
- Interpreter Unit

#### 3.1.3 GM 59xx Gooseneck Microphone



Figure 3.1-C GM 59xx Gooseneck Microphones.

The Gooseneck Microphones are available in two lengths, 40 cm and 50 cm and are detachable from the discussion unit, but can be fixed using a tool.

to the central unit and back again to the built in loudspeakers in the units.

The audio transmission is fully scrambled to avoid eavesdropping.

### 3.2.2 Features

The DDS 5900 Digital Discussion System has the following main features:

- Fully digital
- Excellent audio quality
- “State of the Art” fully digital integrated discussion system offering interpretation and language distribution.
- Unique digital DATA and AUDIO bus named DCS-LAN.
- 10 incoming channels (8 floor channels + 2 interpreter channels) and one audio input.
- 3 distributed channels (1 floor + 2 interpreted channels)
- The discussion units are powered and controlled by the CU 5905 Central Unit, which drives up to 60 units on 2 chains.

- If more units are required the EX 6010 Extension Unit or PS 6000 Power Supply is available
- A total of 250 discussion units can be connected to the system.
- TCP/IP connection on CU 5905 for external operation of the system using a PC or a control system such as AMX ® or Crestron ®.

### 3.2.3 Cabling

The DDS 5900 system is using screened CAT5e cabling (F/UTP or U/FTP) ensuring a very cost effective installation and easy set-up of portable systems

The discussion units are daisy chain connected to the central unit.

The number of units, which can be connected to a central unit, depends on length of the feeding cable and the length of the cable between each unit.

## 3.3 System components

### 3.3.1 DDS 5900 Discussion System

The DDS 5900 system consist of the following units:

CU 5905	Central Unit
DC 5980P	Portable Discussion Unit
GM 5923	Gooseneck Microphone, 40 cm
GM 5924	Gooseneck Microphone, 50 cm
SB 5980	Storage Box 10 DC 5980P and GM 59xx

GM 6523	Gooseneck Microphone, 40 cm
GM 6524	Gooseneck Microphone, 50 cm
GM 6622	Shotgun Microphone

For detailed instruction in how to use the above units, please refer to the User Manuals for the relevant products.

### 3.3.2 Supported units, DCS 6000 System

The following units from the DCS 6000 Digital Conference System can be used in the DDS 5900 system:

EX 6010	Extension Unit
PS 6000	Power Supply
RP 6004	Repeater/Splitter for four chains
JB 6104	Junction Box with 4 outputs
DH 6021	Delegate Headphone