



Superior  
Conferencing  
Solutions

A **SHURE** Company

**DCS 6000**  
Digital Conference System

**VERSATILE,  
UPGRADEABLE,  
SCALABLE.**





## DCS 6000 Digital Conference System

# DIS IS ALL ABOUT CONFERENCING.

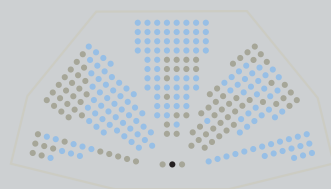
Clarity, precision and reliability are absolutely essential in today's world when important information is shared and decisions made in conferences and meetings. The DCS 6000 system is fully digital based on an innovative technology, providing crystal clear audio everywhere. The most efficient solution when users need to hear and be heard.

Attractively styled microphone units are available in portable or flush-mounted versions, all with lockable, RF resistant gooseneck microphones and optional voting or language interpretation facilities. The system is easily configured and controlled either from the central unit or managed by the SW 6000 Conference Management Software

All DCS 6000 system components are connected in the DCS-LAN with standard shielded Cat5e cables to facilitate ease of installation and maintenance.

Key Features include:

- Superior audio quality
- Intuitive, user-friendly operation
- Scalable to meet the requirements of each meeting
- Fully integrated with web streaming and archiving
- Easily interfaced to control systems such as AMX/Crestron
- Audio encryption for security needs
- Future-proof, upgradeable system design



The DCS 6000 Digital Conference System for all conferencing demands – from a large customised installation in a historic city hall or parliament to a plug-and-play rental system.

## DCS 6000 Digital Conference System Components

### CENTRAL EQUIPMENT



#### CU 6105 CENTRAL UNIT

Central unit with control for up to 500 conference units and 150 interpreter sets. Supports 4 outputs and 16 interpreted channels. Web browser control and remote control by TCP/IP.

#### CU 6110 CENTRAL UNIT

Central unit with control for up to 3.800 conference units and 150 interpreter sets. Supports 8 outputs and 32 distributed channels (floor + 31 interpreted channels).



#### EX 6010 EXTENSION UNIT

An extension power supply for increasing either the DDS 5900 or the DCS 6000 systems' capacity. The power supply splits one DCS-LAN chain into 4 chains while adding regeneration of the signal and 125 watts of power to each of the four chains.



#### AO 6008 AUDIO OUTPUT UNIT

Outputs eight floor or language channels to IR language distribution systems, recording and web-streaming devices. Most settings are accessible via an easily navigable menu on the front of the AO. The audio properties can also be controlled by a PC with SW 6000 software.



#### JB 6104

Junction Box for connecting one conference unit to each of the 4 output connectors



#### RP 6004

Repeater for in/outgoing bus



#### PS 6000

Power Supply for providing additional power to the DCS-LAN



#### AO 6004

4 channels analogue Audio Output unit

### PORTABLE CONFERENCE UNITS



#### DC 6990 P CONFERENCE UNIT

Universal conference unit with built-in loudspeaker, lockable XLR socket, chipcard reader, voting functionality, channel selector, 2 headphone jacks and 3.5" touch screen.



#### DM 6680 P CONFERENCE UNIT

Delegate conference unit with built-in loudspeaker, lockable XLR socket, chipcard reader, voting functionality, channel selector and headphone jack.



#### DC 6120 P CONFERENCE UNIT

Portable conference unit which can be configured both as chairman and delegate unit. The unit features speak/function buttons, XLR gooseneck microphone connector, loudspeaker and headphone connector/volume controls for the floor channel.



#### DC 6190 P CONFERENCE UNIT

Portable conference unit which can be configured both as chairman and delegate unit. The unit features speak/function buttons, XLR gooseneck microphone connector, loudspeaker, two channel selectors and two headphone connectors.

### MICROPHONES



#### GM 652X

Gooseneck microphone for discussion and conference units with XLR socket.

**GM 6523** 40 cm length  
**GM 6524** 50 cm length  
**GM 6525** 63 cm length



#### GM 6628

Shotgun microphone for discussion and conference units with XLR socket.



#### HM 4042

Handheld microphone to use in combination with microphone unit MU 6040.



#### BM 6022

Boundary microphone for flush-mount units.



FLUSH-MOUNTED CONFERENCE UNITS



CM 6680 F / DM 6680 F CONFERENCE UNIT

Flush-mounted conference unit in chairman or delegate version. Each unit feature speak/function buttons, a XLR gooseneck microphone connector, loudspeaker, 5 voting buttons, chip card reader and one channel selector.

CM 6680 F Chairman version  
DM 6680 F Delegate version



DM 6620 F CONFERENCE UNIT

Flush-mounted delegate conference unit. The unit features a speak/request button, a XLR gooseneck microphone connector, loudspeaker, 5 voting buttons and a chip card reader.



DV 6501 F CONFERENCE UNIT

Flush-mounted delegate conference unit. The unit features 3 voting buttons and a chip card reader.



CM/DM 6080 F CONFERENCE UNIT

Flush-mounted conference unit in chairman delegate version. Each unit feature speak/function buttons, a XLR gooseneck microphone connector, a loudspeaker and channel selector.

CM 6080 F Chairman version  
DM 6080 F Delegate version



CM / DM 6XXX F CONFERENCE UNIT

Customised delegate/chairman units with specific shape, colour and functionalities available on request.

CM 6XXX F Chairman version  
DM 6XXX F Delegate version



FC 6021 / FD 6121 CONFERENCE UNIT

Flush-mount unit with lockable XLR socket, speak and delegates off button (Chairman version)

FC 6021 Chairman version  
FD 6121 Delegate version

MICROPHONE UNITS



MU 6040 D / MU 6040 C MICROPHONE UNIT

Microphone unit to connect FC/FD 6xxx conference units.

MU 6040 C Chairman

MU 6040 D Delegate  
MU 6042 D Dual Delegate

AM 6040 AMBIENT MICROPHONE UNIT

Ambient microphone unit for detecting ambient noise in a conference room. To use in combination with the microphone unit MU 6040.

CUSTOMISATION  
HARD- AND SOFTWARE FOR SPECIAL LOCATIONS

Although DIS products can be used for almost any kind of installation, sometimes our standard hard- or software products don't fit 100% to the customer's requirements. In these cases we can assist by designing a special product or feature according to your requirements. No matter if you need a conference unit in a special colour, shape or with your company logo – please contact us in order to check what we can do. Besides hardware we are also able to customise the SW 6000 software, so even in the rare case that there is a special feature not already available in the standard software we might be able to program and implement it. Please mind that for customisation additional costs and lead times need to be considered.



INTERPRETER EQUIPMENT



IS 6132 INTERPRETER UNIT

Portable interpreter unit. The unit features four relay languages, two outgoing channels, support for 32 channels (31 interpretation channels + 1 floor) and multiple interlock modes.



CS 6340 FH / CS 6340 FV CHANNEL SELECTOR

The CS 6340 F series are compact flush-mounted channel selectors that distribute the floor, for assistive listening, as well as the language interpretation channels to seating positions.

The delegate or audience member can listen via headphones with 3.5 mm jack (sold separately), set the volume and select the channel on the 3 digit OLED display. The display can show either the channel number or channel abbreviation.



LS 6132 LOUDSPEAKER

Sometimes simultaneous interpreters or press delegates prefer to hear the floor sound through a separate loudspeaker. For these cases a LS 6132 can be connected straight to the DCS-LAN Network. The volume level is adjustable.



DR 6004 / DR 6008 / DR 6032  
DIGITAL INFRARED RECEIVER

The Digital Infrared Receivers are for use in wireless simultaneous interpretation systems in conference centres, conference theatres, hotels etc. Via invisible digital infrared light up to 32 channels can be received in superb audio quality.

The ergonomically designed receivers use the latest electronics technology – including a specially designed IC to ensure maximum performance and a long battery life-time.



RA 6013 / RA 6025 DIGITAL RADIATOR

The radiator has to be connected to the transmitter DT 60xx or looped through another radiator and converts digital data into a wireless infrared (IR) signal. The IR diodes on the front side of the device transmit/radiates the signal to the digital receivers DR 60xx. Depending on room size and surface materials, number of languages and positioning of the radiator there is the choice between a device with 13 watt or 25 watt power.



DT 6008 / DT 6032  
DIGITAL INFRARED TRANSMITTER

The DT 6008 or DT 6032 Digital Transmitter is the central modulator unit which receives audio from the interpreter and transmits it for wireless digital language distribution.

The DT 60xx Digital Transmitter accepts audio from the AO 6004 or AO 6008 Audio Output Units or from CU 6105 or CU 6110 directly. Other audio sources can be connected. The transmitter modulates these signals onto carrier waves. The digital carrier waves are transmitted directly to the RA 60xx Digital Radiators located in the room – for wireless distribution to the DR 60xx Digital Receivers.

HEADSETS / HEADPHONES



DH 6001H  
HEADPHONE

Mono headphones for interpreter set.



DH 6021 HEADPHONE

Stereo headphones for delegate and chairman unit.



DH 6233  
STETHOSCOPIC  
HEADPHONE

Stethoscopic headphones for delegate or chairman unit (stereo).



DH 6225 EARCLIP  
HEADPHONE

Earclip for delegate or chairman unit.







# SW 6000 SOFTWARE

The so-called „basic software package” can be considered as the operating system for the SW 6000. The software basic package can be downloaded for free, however, in order to run the software, a license key needs to be purchased. SW 6000 works with Microsoft Windows XP Pro, Vista & Windows 7 and can be installed on a stand-alone PC or in a PC network (client/server or terminal server set-up). One SW 6000 conference management license is required per installation.

The **SW 6000 Basic Package** consists of following components:

- SQL 2008 Express Database Server
- SW 6000 CUI Interface, TCP/IP and RS232 to CU 6105/11 and CU 6005/10/11
- SW 6005 CAA Application, one license
- SW 6000 Backup Utility

## APPLICATIONS AND MODULES

### SW 6005 CONFERENCE ADMINISTRATION APPLICATION (CAA)

One CAA license is part of the SW Basic Package. This (offline) app is basically needed before or in order to prepare a meeting/conference.

### SW 6008 CONFERENCE USER APPLICATION (CUA)

The CUA is necessary to make changes during a session from a delegate perspective, however, the CUA has to be used in combination with other modules.

### SW 6010 SW MODULE MICROPHONE CONTROL

In combination with the CUA this module enables to turn microphones on/off.

### SW 6012 SW MODULE AGENDA HANDLING

This module enables to prepare an agenda and follow the agenda topics during a session.

### SW 6015 SW MODULE MESSAGING

This module enables to prepare messages and to send them to various CUA's during a session.

### SW 6018 SW MODULE MIMIC / SYNOPTIC

In combination with the CUA this module enables to turn microphones on/off on a graphical layout in the SW 6000.

### SW 6020 SW MODULE DELEGATE NAMING

This module enables to assign names to conference units and is especially useful when voting is required.

### SW 6032 SW MODULE INTERPRETATION CONTROL

This module enables to control the interpreter units via SW 6000.

### SW 6050 SW MODULE MULTI-LANGUAGE SCREEN

This module enables to display the SW 6000 in different languages on a screen. Individual languages can be chosen on each CUA.

### SW 6060 SW MODULE VOTING CONTROL

This module enables to start and control a voting session in SW 6000.

### SW 6062 SW MODULE VOTING FOR CUA

This module enables a PC with CUA to participate in a voting session.

### SW 6070 CHIP CARD REGISTRATION

This module enables SW 6000 to use chip cards for identification. This module is especially useful when voting is required.

## SUGGESTED SOFTWARE BUNDLES for specific applications

### BASIC CONFERENCE

To control microphones during a meeting.

- SW 6000 Basic Package
- SW 6008 CUA
- SW 6010 Microphone Control
- SW 6018 Mimic / Synoptic Control

### CITY HALL

For meeting preparations, microphone control, menu display in different languages, voting and display of results on screen, delegate identification and connection to third party systems.

- SW 6000 Basic Package
- SW 6008 CUA
- SW 6010 Microphone Control
- SW 6012 Agenda
- SW 6018 Mimic / Synoptic Control
- SW 6020 Delegate Database
- SW 6050 Multilanguage Interface
- SW 6060 Voting Control
- SW 6070 Chip Card Registration
- SW 6071 Chip Card Programming
- SW 6090 Display Application

### PARLIAMENTARY SOLUTION

For meeting preparations, advanced control of microphones, speech time & agenda, menu display in different languages, interpretation control, voting and display of results on screen, delegate identification and connection to third party systems, streaming control and web service interface.

- SW 6000 Basic Package
- SW 6008 CUA
- SW 6010 Microphone Control
- SW 6012 Agenda
- SW 6018 Mimic / Synoptic Control
- SW 6020 Delegate Database
- SW 6032 Interpretation Control
- SW 6050 Multilanguage Interface
- SW 6060 Voting control
- SW 6070 Chip Card registration
- SW 6071 Chip Card programming
- SW 6085 Streaming Control
- SW 6086 Web Service Interface
- SW 6090 Display Application
- SW 6110 Advanced Mic Control
- SW 6112 Advanced Agenda Control
- SW 6125 Advanced Speech Time Control
- SW 6186 Import / Export Conference

### SW 6071 SW MODULE CHIP CARD PROGRAMMING

This module enables to program chip cards in combination with a connected chip card programming device (e.g. CP 6001).

### SW 6080 SW MODULE MULTIPLE ROOM CONTROL

This module enables to control various conference sessions in different rooms from one single PC.

### SW 6085 SW MODULE STREAMING CONTROL

This module enables the SW 6000 to do streaming/archiving in combination with the SW 7000 and additional hardware.

### SW 6086 SW MODULE WEB SERVICE INTERFACE

This module provides a Web Service Interface necessary for streaming/archiving in combination with SW 6085 and SW 7000.

### SW 6090 CONFERENCE DISPLAY APPLICATION (CDA)

The CDA is necessary to display visual content from the SW 6000 like the agenda, delegate information or voting results on an external projector.

### SW 6110 SW MODULE ADVANCED MIC CONTROL

This module is used in combination with SW 6010 and provides advanced features for microphone control.

### SW 6112 SW MODULE ADVANCED AGENDA CONTROL

This module is used in combination with SW 6012 and provides advanced features for agenda control.

### SW 6125 SW MODULE ADVANCED SPEECH TIME CONTROL

This module is used in combination with SW 6010 and provides advanced features for speech time control.

### SW 6186 SW MODULE ADVANCED IMPORT / EXPORT OF MEETINGS

This module is for example necessary when meetings from other (external) databases need to be imported into the SW 6000.

### SW 6232 EXTERNAL CONTROL APPLICATION (ECA)

The ECA is necessary if external hardware is connected in combination with SW 6000 (e.g. media control systems).

# DCS 6000 Digital Conference System Specifications (Note: All specifications are subject to change.)

Electrical	CU 6105	CU 6110
<b>Power consumption</b>	Max. 150 W / 48 V	Max. 150 W / 48 V
<b>Supply voltage for units</b>	125 W / 48 V	125 W / 48 V
<b>Audio quality sampling</b>	24 bit audio, 32 kHz	24 bit audio, 32 kHz
<b>Frequency response</b>	65 Hz – 16 kHz	65 Hz – 16 kHz
<b>THD</b>	< 0.1 %	< 0.1 %
<b>Signal-to-noise ratio</b>	> 85 dBA	> 85 dBA

## Audio inputs

<b>Analogue audio in 1</b>	3-pin female XLR sockets (electronically balanced)	3-pin female XLR sockets (electronically balanced)
<b>Analogue audio in 2</b> <i>(Audio in or Emergency input - EEM)</i>	3-pin female XLR sockets (electronically balanced)	3-pin female XLR sockets (electronically balanced)

## Audio outputs

<b>Analogue audio out</b> <i>(A, B, C and D)</i>	4 x 3-pin male XLR sockets (electronically balanced)	8 x 3-pin male XLR sockets (electronically balanced)
<b>Maximum load</b>	> 1 kΩ	> 1 kΩ

## Interconnections

<b>DCS-LAN</b>	2 x RJ45 female sockets	4 x RJ45 female sockets
<b>EEM</b>	One contact closure input	One contact closure input

## System Performance *(feature license dependant)*

<b>Max. number of conference units</b> <i>(excl. CS)</i>	500	3.800
<b>Max. number of IS</b> <i>(Interpreter Units)</i>	150	150
<b>Max. number of IS units in one booth</b>	32	32
<b>Max. number of AO</b> <i>(Audio Output Units)</i>	20	20
<b>Max. number of CS</b> <i>(Channel Selector Units)</i>	Unlimited	Unlimited
<b>Max. number of languages</b>	16	31
<b>Max. number of open "floor" microphones</b>	8	8

## Mechanical

<b>Mounting</b>	Tabletop or mounted in a 19" one unit rack	Tabletop or mounted in a 19" one unit rack
<b>Colour</b>	Black	Black
<b>Dimensions without feet</b> <i>(H x W x D)</i>	44.4 x 426 x 186 mm	44.4 x 426 x 186 mm
<b>Weight</b>	2.800 g	2.800 g
<b>Storage temperature</b>	-20° to 60° C, 10-80% humidity	-20° to 60° C, 10-80% humidity
<b>Optimal operating temperature</b>	5° to 40° C, 35-80% humidity	5° to 40° C, 35-80% humidity

## PS CU External Power Supply

<b>Main voltage</b>	100 – 240 V, 50 – 60 Hz	100 – 240 V, 50 – 60 Hz
<b>Max. consumption</b>	175 W	175 W
<b>Total supply power</b>	150 W	150 W
<b>Standby consumption</b>	< 0.5 W	< 0.5 W
<b>Supply voltage for CU 6105</b>	48V/3A	48V/3A

## Included Accessories

	PS CU External Power Supply	PS CU External Power Supply
	Power able (EU connector), 1 piece	Power able (EU connector), 1 piece
	19" brackets, 1 set	19" brackets, 1 set
	Tool for fixing GM to XLR	Tool for fixing GM to XLR

## Certifications

The DCS 6000 system conforms to standard IEC 60914. PS CU approvals CE, KC, CCC, cULus, TÜV Supply voltage for CU 6105 48V/3A.

*Specifications of conference units can be found in the individual datasheets of each product. Please contact us.*

**SHURE®**  
LEGENDARY  
PERFORMANCE™

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