DCS 6000 Digital Conference System

SEAMLESS INTEGRATION, WORLD-CLASS PERFORMANCE.
For meetings that are more than just talk.

A conference is about more than just exchanging ideas. It is a gathering with a purpose – to debate, decide, and document new strategies or policies. Successful conferences demand more than just a sound system; they require a comprehensive meeting management tool that supports efficient decision making.

The DCS 6000 Digital Conference System is designed to seamlessly manage every aspect of a conference. It gives you complete control over audio, the agenda, support documents, voting, display, and web streaming, making meetings more productive.

• Superior audio quality, even in large or acoustically difficult rooms
• Attractive desktop and flush-mount units to fit any room design
• Modular software – add features as you need them
• Connectivity to videoconferencing and room control systems
• Audio encryption for security

Versatile, Scalable, Cost-Effective

The DCS 6000 is versatile enough to meet the architectural demands of a historic city hall or the unpredictable needs of one-time rental events. It can operate as a stand-alone system or connect to external audio or videoconferencing equipment. Modular design lets the system scale up to handle 3,800 delegates and 31 languages. And upgradeable software and firmware make the DCS 6000 a cost-effective investment.

The right conference system for your organization.

The DCS 6000 Digital Conference System is designed for any group that holds formal meetings – not just parliaments and international organizations. It's the ideal solution for:

• Corporate boards of directors
• College, university, and hospital boards of trustees
• City, state, and regional councils and legislatures
• Professional associations, government agencies, and non-government organizations
• Summit meetings and annual conferences
DCS 6000 Digital Conference System Components

CENTRAL EQUIPMENT

DIS-CCU CENTRAL UNIT
Central unit with control for up to 3,800 conference units and 150 interpreter sets. Supports 8 outputs and 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 four conference or interpreter units at any point in the DCS-LAN chain.

RP 6004
Repeater unit splits one DCS-LAN chain into four chains.

PI 6000
Power Inserter for providing additional power to the DCS-LAN.

AO 6004
4 channel analog Audio Output unit.

PORTABLE CONFERENCE UNITS

DC 6990 P CONFERENCE UNIT
Universal conference unit with built-in loudspeaker, lockable XLR socket, chip card 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, chip card reader, voting functionality, channel selector and headphone jack.

DC 6190 P CONFERENCE UNIT
Portable conference unit which can be configured both as chairman and delegate unit. Features speak/function buttons, XLR gooseneck microphone connector, loudspeaker, two channel selectors and two headphone connectors.

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.
DCS 6000 Digital Conference System Components

FLUSH-MOUNTED CONFERENCE UNITS

CM 6680 F / DM 6680 F CONFERENCE UNIT
Features speak/function buttons, 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
Features a speak/request button, XLR gooseneck microphone connector, loudspeaker, 5 voting buttons and chip card reader.

CM/DM 6080 F CONFERENCE UNIT
Features speak/function buttons, XLR gooseneck microphone connector, loudspeaker and channel selector.
CM 6080 F Chairman version
DM 6080 F Delegate version

MODULAR COMPONENTS
Allow alternative mounting locations when table dimensions or construction make mounting integrated flush-mounted conference units difficult.

MU 6040 D / MU 6040 C MICROPHONE UNIT
Microphone unit to connect FC/FD 6xxx conference units.
MU 6040 C Chairman version
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.

CS 6340 FH / CS 6340 FV CHANNEL SELECTOR
Compact flush-mounted channel selectors that distribute the floor and 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.
CS 6340 FH Horizontal
CS 6340 FV Vertical

FC 6021 / FD 6121 CONFERENCE UNIT
Flush-mount unit with lockable XLR socket, speak and delegates off button (Chairman version only)
FC 6021 Chairman version
FD 6121 Delegate version

DV 6501 F CONFERENCE UNIT
Flush-mounted delegate conference unit.
Features 3 voting buttons and chip card reader.

CUSTOMIZATION

Need something special? We can create a conference unit with your desired combination of features, in a special color, size, or shape, or with your company logo. We can also customize the SW 6000 software to provide the specific functionality that your installation requires. Contact your Shure system integrator for information about project costs and lead times.
**INTERPRETATION EQUIPMENT**

**IS 6132 INTERPRETER UNIT**
Portable interpreter unit. Features four relay languages, two outgoing channels, support for 32 channels (31 interpretation channels + 1 floor) and multiple interlock modes.

**IH6500 INTERPRETER HEADSET**
Dual-sided headset with reversible boom microphone and removable earpads. Included adapter cables permit use with different interpreter units.

**RA 6013 / RA 6025 DIGITAL RADIATOR**
Radiates the IR signal to DR 60xx digital receivers in the same room. Available with 13 or 25 watts of output power.

**DS 6132 LOUDSPEAKER**
Allows interpreters or press delegates to hear the floor sound through a separate loudspeaker. Connects to the DCS-LAN Network. The volume level is adjustable.

**DR 6004 / DR 6008 / DR 6032 DIGITAL INFRARED RECEIVER**
For use in wireless simultaneous interpretation systems in conference centers, conference theaters, hotels etc. Up to 32 channels can be received with superb audio quality.
The ergonomically designed receivers use the latest electronics technology for maximum performance and a long battery life.

**DT 6008 / DT 6032 DIGITAL INFRARED TRANSMITTER**
Transmits interpreter audio to the digital radiator for wireless language distribution to IR receivers. Accepts audio from DIS-CCU or AO 6004/6008. Available with 8 or 32 channels.

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**HEADPHONES**

**DH 6021 HEADPHONE**
Stereo headphones for delegate and chairman unit.

**DH 6223 STETHOSCOPE HEADPHONE**
Stethoscope headphones for delegate or chairman unit (stereo).

**DH 6225 EARCLIP HEADPHONE**
Earclip for delegate or chairman unit.

**FEATURE LICENSES**

**FL6000**
Allows DIS-CCU to operate with 6000-series conference units; adds VOX & Basic Voting.

**FL6000-3800**
Allows DIS-CCU to operate with 6000-series conference units; adds VOX & Basic Voting.

**FL6000-INT-8, -16, -31**
Expands interpretation capability to 8, 16 or 31 languages.
SW 6000 Software

SW 6000 SOFTWARE

Adding SW 6000 software expands the functionality of the DCS 6000 system. The basic package is used to prepare and configure a conference off-line, and enables the installation of additional software modules and feature licenses. Additional modules enable functions such as microphone control, agenda management, chip card registration, etc. SW 6000 works with Microsoft Windows and can be installed on a stand-alone PC or on a network.

The SW 6000 Basic Package consists of the following components:

- SW 6005 CAA Application (one license)
- SW 6000 CUI Interface
- SQL 2008 Express Database Server
- SW 6000 Backup Utility

APPLICATIONS AND MODULES

Software modules add functionality to the DCS 6000 system. Note that some modules may require other modules to be installed for proper operation.

<table>
<thead>
<tr>
<th>SW 6005</th>
<th>SW 6008</th>
<th>SW 6010</th>
<th>SW 6012</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONFERENCE ADMINISTRATION APPLICATION (CAA)</td>
<td>CONFERENCE USER APPLICATION (CUA)</td>
<td>SW MODULE MICROPHONE CONTROL</td>
<td>SW MODULE AGENDA HANDLING</td>
</tr>
<tr>
<td>The CAA is used prior to the conference to enter agendas, delegate information, seat assignments, voting parameters, etc. on a PC.</td>
<td>Allows the chairman or delegate to use certain functions (e.g. microphone control, voting, etc.) on a PC instead of a conference unit, depending on installed software modules.</td>
<td>Allows the administrator to manually activate delegate microphones from a PC running CUA.</td>
<td>Allows the administrator to enter an agenda with up to 6 levels.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SW 6015</th>
<th>SW 6018</th>
<th>SW 6020</th>
<th>SW 6032</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW MODULE MESSAGING</td>
<td>SW MODULE MIMIC / SYNOPTIC</td>
<td>SW MODULE DELEGATE NAMING</td>
<td>SW MODULE INTERPRETATION CONTROL</td>
</tr>
<tr>
<td>Allows messaging between PC’s running CUA used by chairman, delegates, technicians, and interpreters.</td>
<td>Allows a graphic of the room layout to be imported and stored.</td>
<td>Allows administrator to create a delegate information table, so that delegates can be identified in the system by name instead of seat numbers.</td>
<td>Allows technician or interpretation manager to configure interpretation and monitor interpreter booths from a PC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SW 6050</th>
<th>SW 6060</th>
<th>SW 6062</th>
<th>SW 6070</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW MODULE MULTI-LANGUAGE SCREEN</td>
<td>SW MODULE VOTING CONTROL</td>
<td>SW MODULE VOTING FOR CUA</td>
<td>CHIP CARD REGISTRATION</td>
</tr>
<tr>
<td>Enables delegates to view conference information in an alternative language when using CUA on an individual PC.</td>
<td>Enables chairman to start/stop voting (with 3 or 5 buttons), check attendance, verify a quorum, etc. using CUA on a PC.</td>
<td>Allows delegate to cast votes from CUA on an individual PC (SW 6062 and CUA license required for each delegate’s PC).</td>
<td>Allows delegates to login by inserting an ID card into the conference unit.</td>
</tr>
</tbody>
</table>
SUGGESTED SOFTWARE BUNDLES

While the needs of each user can vary widely, certain core conference management functions are often required. These include the ability to identify which delegates are speaking, manage the conference agenda, and allow votes to be cast and recorded. The individual software modules required to deliver these popular functions are listed below.

MICROPHONE CONTROL WITH DELEGATE NAME
This bundle allows an administrator to create delegate name tables and seat assignments. When someone requests to speak, the chairman sees the name of the delegate in the request queue instead of just the seat number.

Includes:
- SW 6000 Basic Package
- SW 6008 CUA
- SW 6010 Microphone Control
- SW 6018 Mimic / Synoptic Control
- SW 6020 Delegate Name

AGENDA CONTROL & DISPLAY
In addition to microphone control with delegate name, this bundle enables an administrator to enter and manage agenda items and display them on the touchscreens of conference units or, optionally, on large external displays. The Chairman can select which agenda item to discuss, and the meeting log will track the time spent discussing each item.

Includes:
- SW 6000 Basic Package
- SW 6008 CUA
- SW 6010 Microphone Control
- SW 6018 Mimic / Synoptic Control
- SW 6020 Delegate Name
- SW 6012 Agenda Handling
- SW 6090 CDA

VOTING & ATTENDANCE
In addition to microphone and agenda control, voting functionality enables delegates to cast votes on issues selected by the Chairman, and records those votes in the meeting log. Voting results can be displayed on external screens. With optional software, delegate attendance can be verified by chip cards inserted in their conference units.

Includes:
- SW 6000 Basic Package
- SW 6008 CUA
- SW 6010 Microphone Control
- SW 6018 Mimic / Synoptic Control
- SW 6020 Delegate Name
- SW 6012 Agenda Handling
- SW 6090 CDA
- SW 6060 Voting control
- FL 6000 4A / 4B / 4C / 4D / 4E
- Voting Feature License

Optional:
- SW 6070 Chip Card Registration
- SW 6071 Chip Card Programming

SW 6071
SW MODULE CHIP CARD PROGRAMMING
Allows administrator to program ID cards for conference participants using the CP 6001 programmer.

SW 6080
SW MODULE MULTIPLE ROOM CONTROL
Allows a technician to set up and supervise conferences in multiple rooms from one PC.

SW 6085
SW MODULE STREAMING CONTROL
Allows the chairman/administrator to start/stop a third-party streaming application from a PC running CUA.

SW 6086
SW MODULE WEB SERVICE INTERFACE
Allows the DCS 6000 to send real-time conference data (mic activation, progress through agenda items, voting results, etc.) to another software application.

SW 6090
CONFERENCE DISPLAY APPLICATION (CDA)
The CDA allows delegate information, agenda, voting results, etc. to be displayed on external video screens.

SW 6110
SW MODULE ADVANCED MIC CONTROL
Allows chairman or administrator to assign delegates to speak from both a primary and secondary seat or up to 3 podiums.

SW 6112
SW MODULE ADVANCED AGENDA CONTROL
Allows administrator to add short description and pre-assigned speaker to each agenda item, add comments to voting results, and include hyperlinks to stored documents for paperless meetings.

SW 6125
SW MODULE ADVANCED SPEECH TIME CONTROL
Allows administrator to assign different speech times to delegates according to name, type, or group.

SW 6186
SW MODULE ADVANCED IMPORT / EXPORT OF MEETINGS
Allows administrator to import/export meeting information to/from third-party document storage system.

SW 6232
EXTERNAL CONTROL APPLICATION (ECA)
Provides access to the RS-232 control interface of the Central Unit through a PC.
**Electrical**

<table>
<thead>
<tr>
<th>DIS-CCU</th>
<th>Power consumption</th>
<th>Max. 150 W / 48 V</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Supply voltage for units</td>
<td>125 W / 48 V</td>
</tr>
<tr>
<td></td>
<td>Audio quality</td>
<td>24 bit audio, 32 kHz</td>
</tr>
<tr>
<td></td>
<td>Frequency response</td>
<td>65 Hz – 16 kHz</td>
</tr>
<tr>
<td></td>
<td>THD</td>
<td>&lt; 0.1 %</td>
</tr>
<tr>
<td></td>
<td>Signal-to-noise ratio</td>
<td>&gt; 85 dBA</td>
</tr>
</tbody>
</table>

**Audio quality**

- 24 bit audio, 32 kHz
- Frequency response: 65 Hz – 16 kHz
- THD: < 0.1%
- Signal-to-noise ratio: > 85 dBA

**Audio inputs**

<table>
<thead>
<tr>
<th>DIS-CCU</th>
<th>Analog audio in 1</th>
<th>3-pin female XLR socket (electronically balanced)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Analog audio in 2 (Audio in or Emergency input - EEM)</td>
<td>3-pin female XLR socket (electronically balanced)</td>
</tr>
</tbody>
</table>

**Audio outputs**

- Analog audio out (A, B, C and D) | 8 × 3-pin male XLR sockets (electronically balanced) |
- Maximum load | > 1 kΩ |

**Interconnections**

- DCS-LAN | 4 × RJ45 female sockets |
- EEM | One contact closure input |

**System Performance** *(feature license dependent)*

- Max. number of conference units (excl. CS) | 3,800 |
- Max. number of IS (Interpreter Units) | 150 |
- Max. number of IS units in one booth | 32 |
- Max. number of AO (Audio Output Units) | 20 |
- Max. number of CS (Channel Selector Units) | Unlimited |
- Max. number of languages | 31 |
- Max. number of open "floor" microphones | 8 |

**Mechanical**

- Mounting | Tabletop or mounted in a 19" one unit rack |
- Color | Black |
- Dimensions without feet (H x W x D) | 44.4 × 426 × 186 mm |
- Weight | 2,800 g |
- Storage temperature | –20 to 60 °C, 10-80% humidity |
- Optimal operating temperature | 5 to 40 °C, 35-80% humidity |

**PS-CCU External Power Supply**

- Main voltage | 100 – 240 V, 50 – 60 Hz |
- Max. consumption | 175 W |
- Total supply power | 150 W |
- Standby consumption | < 0.5 W |
- Supply voltage for DIS-CCU | 48V/3A |

**Included Accessories**

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

**Certifications**

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

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