Meeting face-to-face is the best way to capture attention and build relationships. But too often, a lack of structure causes important meetings to waste precious time and deliver little or no results.

The solution is a complete audio system designed for conferences and meetings. A conference system ensures that every participant can hear and be heard clearly, regardless of where they are sitting or what the room acoustics are like. It can accommodate a casual, free-flowing discussion or a formal meeting. A conference system can even support multiple languages and provide meeting management capabilities.

Microflex Complete is an integrated audio system for conferences and meetings. Available in wired and wireless configurations, it delivers natural, intelligible sound and adds structure that can make discussions more focused and productive.

MORE ENGAGING MEETINGS WITH ONE COMPLETE SYSTEM
MXC Microflex Complete

COMPLETE FLEXIBILITY

With maximum scalability and features, Microflex Complete is the ideal conference system for rooms that are used for organized board meetings, legislative proceedings, or training events. A wide range of portable, flush-mount, and modular conference units can be easily integrated into any room design, with the right mix of controls and capabilities to match your needs. Expandability to handle up to 3,800 participants and 31 interpretation channels, plus a full suite of meeting productivity features through the optional SW6000 conference management software, make Microflex Complete a powerful choice for business, education, and government users.

DIS-CCU Central Control Unit

Controls conference units for up to 3,800 participants and 31 interpretation channels. Includes 2 analog audio inputs and 8 analog audio outputs. Requires FL6000 Feature License for use with MXC-series conference units.

Microflex Complete Gooseneck Microphones

Series of Microflex multipin gooseneck microphones for use with MXC/MXCW conference units only
- CommShield® Technology for excellent RF noise immunity
- Available Dualflex gooseneck accommodates shared use or standing speakers
- Locking 10-pin modular connector prevents unauthorized removal
- Choice of 16 inch/40 cm or 20 inch/50 cm lengths
- Built-in bi-color (red/green) LED illuminates when mic is active
- Cordless microphone
- Compatible with omni, supercardioid and mini-shotgun MX-series cartridges to match seating layout or acoustic conditions

Portable Units

All MXC Microflex Complete conference units feature Chairman or Delegate modes, user-replaceable speak & function buttons, integrated loudspeaker and lockable connector for Microflex multipin gooseneck microphones.

- MXC615 & MXC620
  Conference Unit
- MXC630
  Voting Conference Unit
- MXC640
  Full Featured Conference Unit
  - Chairman/Delegate modes
  - Participant identification using NFC card (MXC640 only)
  - 2 channel selectors, each with a 3.5 mm headphone jack
  - Optional Braille overlay

- MXC620-F
  Conference Unit
  - Chairman or Delegate modes
  - Single-language channel selector with 3.5mm headphone jack
  - Participant identification using NFC card

- MXC630-F
  Voting Unit
  - Chairman or Delegate modes
  - 5 backlit voting buttons
  - Single-language channel selector with 3.5mm headphone jack
  - Participant identification using NFC card

Modular Units

MXCMIU

Multi Interface Unit
- Compact conference unit for applications with limited mounting space
- Multiple operating modes for use with:
  - One or two Flush Mounted Interface Plates with gooseneck microphones

MXCMIU-FS | MXCMIU-FL

Small and Large Flush Mounted Interface Plate
- Chairman or Delegate modes
- Fixed Speak and Function buttons
- Connects to MXCMIU with HDMI cable
- Lockable connector for Microflex multipin gooseneck microphones
- Integrated loudspeaker (MXCMIU-FL only)
- Requires MXCMIU

Interpretation

MXCIC

Interpretation Console
- Portable Interpretation Console for use with Microflex Complete Wired
- Meets ISO 20109 requirements
- Large color display shows relay and outgoing language channels
- 8 relay buttons and 3 outgoing languages
- Two 3.5mm TRS headphone jacks, compatible with IH6500 Interpreter Headset
- One 3.5mm TRS headphone jack
- Integrated loudspeaker on rear of unit
- NFC card reader & USB port for saving/recalling personalized settings
- Integrated Braille labels & audible cues for visually-impaired interpreters

MXCSIGN

E-paper Sign
- Dual-sided “name sign” with e-paper display
- High contrast for maximum readability and wide viewing angle
- High resolution, 1900 x 460 pixels, black/white, 4-bit grayscale
- Powered via DCS-LAN
- Programmable via SW 6000 or DIS-CCU when used standalone
- Single/Dual participant capable
- Retains image when disconnected
- Can be flush-mounted or placed on table

Flush Mounted Units

E-paper Sign
The Microflex Complete Wireless system offers full conference functionality with the added convenience of encrypted digital wireless transmission for up to 125 participants. It overcomes cable limitations at off-site meetings, in rooms with flexible seating, or in historic buildings where drilling holes in furniture is impractical. Proven Shure RF interference detection and avoidance technology delivers reliable transmission and limits signal dropouts even in the most congested RF environments. Robust audio encryption keeps meeting content private. Each wireless conference unit is powered by a smart Lithium-Ion rechargeable battery whose remaining charge (in hours and minutes) can be checked remotely by a technician.

**ACCESS POINT TRANSCEIVER**

- Controls up to 125 wireless conference units
- Automated frequency coordination
- Interference detection & avoidance
- AES-128 encryption
- Dante™ digital networking enables routing of 10 audio channels in/out via Ethernet to any Dante-equipped device
- Analog XLR input & output
- Power over Ethernet (PoE) connectivity
- Wall-ceiling mounting bracket and paintable cover included
- LCD display for basic configuration; embedded graphical user interface for advanced configuration

**PORTABLE UNIT**

**MXCW640 Wireless Touchscreen Conference Unit**

- Chairman, Delegate, Ambient Mic, and Listener roles
- 4.3-inch /110 mm capacitive touchscreen display to view meeting controls, speak/request list, voting, etc.
- 2 channel selectors, each with a 3.5mm headphone jack
- Participant identification using NFC card
- Mini-USB port for external charging
- Easy-to-remove rechargeable battery

**RECHARGEABILITY**

**SB930 Intelligent Rechargeable Li-Ion Battery**

- 3-cell battery with Shure Smart Li-Ion Technology
- Remote monitoring of battery life remaining in hours and minutes
- Integrated test button and 5-segment LED to display charge level
- Networked Charging Station for up to 10 SB930 batteries
- Fully charges 10 batteries in 4 hours
- Remotely monitor remaining battery life and charge levels in hours and minutes
- Table-top, wall-mount, and rack-mount hardware included
- Storage mode prepares batteries for optimal long-term storage

**MXCW640**

**WIRELESS TECHNOLOGY**

The Microflex Complete Wireless system takes advantage of industry-leading technology pioneered in Shure professional digital wireless systems to deliver secure, reliable transmission. Using a proprietary wireless protocol, the system operates in the 2.4 GHz and 5 GHz frequency bands (including DFS channels) which can be used license-free worldwide.

**SPECTRAL EFFICIENCY**

Sound quality is consistent with one talker or several, and up to 125 units are supported with just one Access Point Transceiver and one RF channel.

**AUTOMATED FREQUENCY COORDINATION**

The system automatically scans the available spectrum and selects clean transmission channels for best performance.

**INTERFERENCE DETECTION AND AVOIDANCE**

While in use, the system automatically moves away from unexpected interference. Channel adjustment occurs with no disruption to the audio.

**ENCRYPTION**

Standard AES-128 encryption of audio and data keeps meeting content private.

**BI-DIRECTIONAL WIRELESS**

Provides return channels for interpretation audio to conference units and enables real-time remote control of conference unit settings.
The SW6000 software suite unlocks the full power of the MXC Microflex Complete and DCS6000 Digital Conference Systems. It provides the structure that allows large meetings with hundreds of participants to be as effortless and efficient as small gatherings. With SW6000, you can recognize the unique roles and privileges of different participants, create an agenda that keeps your meeting on track, take votes electronically, and document the outcome with a searchable electronic archive.

**OPTIONAL APPLICATIONS**
Additional CAA or CUA applications are only needed if more than one CUA or CAA application shall run simultaneously on the system.

**SW6000-CDA**
**CONFERENCE DISPLAY APPLICATION**
Used to present information created in a meeting in a large screen projection. Up to 16 CDA applications can run simultaneously.

**SW6000-CUA**
**CONFERENCE ADMINISTRATOR APPLICATION**
Used to set-up the system, including configuring seats, equipment, mimics, participants list, meeting, voting parameters, etc. Up to 36 CUA applications can run simultaneously.

**SW6000-ADV**
**ADVANCED MEETING MANAGEMENT**
Used where more advanced controls are needed including:
- Advanced Microphone Control
- Advanced Agenda Control including the ability to attach participants to subjects in the agenda and to use a web browser in the CUA.
- Advanced Speech Control including meeting role dependent timers, manual speech times, group speech time and combined speech time.

**SW6000-ESI**
**EXTERNAL SYSTEM INTERFACE**
Provides an interface to third party systems for:
- Control of streaming applications
- Web service interface
- Advanced import / export of meetings

**SW6000-VOTE**
**SOFTWARE ENABLED VOTING**
Enables the voting features in SW6000:
- Control and configuration of voting sessions
- Extensive voting control management
- Unlimited number of voting configurations
- Advanced options for calculation of results or passed / quorum options
- Casting vote from a conference unit or from the CUA
- Option for manual insertion of total voting results
- Attendance & registration check options
- Option for controlling visibility of the voting result for participants
- Proxy voting option
- Voting weight option
In boardrooms with long tables, it can be difficult to hear people seated at the far end. With Microflex Complete Wireless, each participant has their own conference unit with an integrated microphone and loudspeaker so that everyone can hear each other perfectly. Wireless convenience means there are no holes to drill and the system can be put away when not needed. Robust encryption keeps sensitive meeting content secure.

Off-site meetings can be an expensive waste of time if attendees cannot fully participate in the discussion. Typical in-room sound systems are only designed to amplify the presenter’s voice, and miss the contributions of other participants. Microflex Complete Wireless is a versatile audio solution that extends full coverage to every attendee without the labor of routing and securing audio cables. Network monitoring allows a technician to monitor battery levels from a PC.

The IntelliMix P300 Audio Conferencing Processor offers DSP algorithms optimized for A/V conferencing applications for a complete, high-quality audio experience from Shure. Featuring acoustic echo cancellation, noise reduction and automatic gain control for up to 8 Dante channels, the P300 ensures echo- and noise-free conference room audio that facilitates communication and collaboration.

Portable conference unit which can be configured as a chairman or delegate unit. The unit features speak/function buttons, XLR gooseneck microphone connector, loudspeaker, two channel selectors and a touch screen for various functionality (microphone control, conference control, voting).
At large international conferences, every attendee is often an active part of the decision-making process. Microflex Complete with optional SW600 software is a powerful, scalable conference system that allows seamless management of every aspect of conferences with up to 3,800 participants and 31 languages. Clear and intelligible audio makes communication effortless even in very large rooms, while the optional SW600 software suite provides meeting organizers with complete control of the speaker list, agenda, voting, and interpretation.

The new ISO-20109 compliant MXCIC Interpretation Console provides complete flexibility for conference interpreters, with an efficient control layout with large color information screen, 8 relay channels and a choice of headphone and headset connections.

City councils must often document their proceedings and make them accessible to the public. The Microflex Complete conference system delivers excellent intelligibility for those in the room as well as listeners to live streams or recordings. It streamlines many of the administrative tasks necessary to create an agenda, verify attendance, and record votes, and can connect to audio/video recording equipment and a videoconferencing system. Available MXC630-F flush-mounted conference unit integrates microphone, loudspeaker, voting controls, and NFC ID card in one unit.
At seminars and training events, attendees need to be able to understand complex information and ask questions comfortably, while the instructor needs to know that learning is successful. Microflex Complete Wireless makes it easy for attendees to hear clearly, ask questions, and respond to instructor polls. The system can connect to third-party streaming equipment to include remote participants. Wireless convenience allows flexible seating to be reconfigured without moving cables.

In a courtroom the outcome of a case can rest on the ability of the judge, jury, witness, and attorneys to hear testimony clearly, but traditional sound systems often compromise intelligibility due to installation limitations. Microflex Complete puts a microphone and loudspeaker within reach of every key individual for the highest sound quality, and interfaces easily with court recording and transcription equipment.