# ENTERPRISE SCALE WIRELESS SOLUTIONS

## MICROFLEX® WIRELESS

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# VIVID, LIFELIKE AUDIO FOR CONFERENCING.

## MODERN AV CONFERENCING ENVIRONMENTS PROVIDE COMFORTABLE, PRODUCTIVE PLACES FOR PEOPLE TO MEET AND ENGAGE.

The Microflex  Wireless platform was developed by Shure with innovative conferencing spaces in mind, providing flexible and elegant solutions for capturing and managing vivid, lifelike sound in managed meeting environments. Every system shares the same building blocks: intelligent rechargeable microphone transmitters and charging stations, discreet wireless access point transceivers, flexible audio network interfaces, and comprehensive software tools. Easy to configure and expand, Microflex Wireless easily scales from custom boardrooms to networked enterprises.

## ADVANTAGES

### PRISTINE AUDIO

Microflex microphone elements flawlessly capture the detailed characteristics of the human voice. Legendary Shure quality and reliability preserve the vocal nuances to ensure realistic and natural communication.

### TAILORED & DISCREET SOLUTIONS

With 2-, 4- or 8-channel configurations and a versatile offering of modern, low-profile wireless transmitters, Microflex Wireless systems fit any conferencing application and are designed to install easily and disappear into diverse AV environments.

### INTELLIGENT RF PERFORMANCE

Transmitters become instantly active when removed from the Networked Charging Station. While the system is in use, the Access Point Transceiver actively scans the available spectrum, automatically coordinates clean frequencies for every microphone channel and moves away from unexpected interference.

### SCALABLE & NETWORK READY

Individual systems can be combined to support configurations of up to 80 compatible channels, or 160 channels in High Density mode (region dependent). Ethernet connectivity and Dante™ digital audio networking allow to connect to corporate networks for remote management and campus-wide implementation. Dante Domain Manager compatible.

### ADVANCED POWER MANAGEMENT

Smart lithium-ion rechargeable batteries deliver up to 9 hours of continuous use, ensuring that transmitters can operate for a full working day. Standby mode allows energy saving, and remaining battery life or charge details can be monitored remotely over the network, accurate to hours and minutes.

### SECURE TRANSMISSIONS

Wireless audio transmission is protected by AES-256 encryption to ensure unbreakable privacy and confidentiality. Corporate-uplink mode can be used to keep digital audio off the corporate network while still allowing remote monitoring and system control.

### COMPREHENSIVE SOFTWARE CONTROL

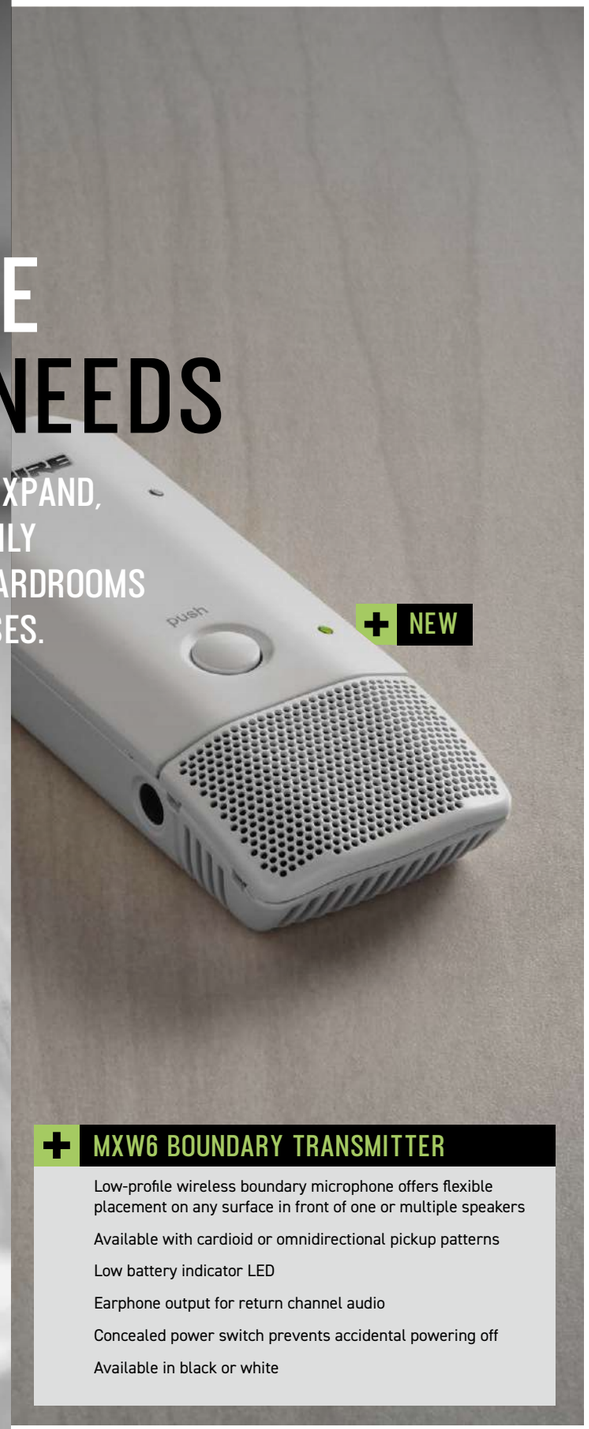
Microflex Wireless Control Software application supports setup and allows real-time remote control of a system.
Shure SystemOn™ Audio Asset Management Software provides a comprehensive solution for managing large-scale Microflex Wireless deployments, enabling AV / IT administrators to support campus-wide installations from one central platform.

### THIRD PARTY INTEGRATION

Microflex Wireless offers an expanded level of integration with numerous leading third party AV hardware and software solutions. The system is fully compatible with control and automation systems and other downstream equipment, reducing setup time and streamlining the workflow when using a complete AV system.

# CONFIGURE TO YOUR NEEDS

EASY TO CONFIGURE AND EXPAND, MICROFLEX WIRELESS EASILY SCALES FROM CUSTOM BOARDROOMS TO NETWORKED ENTERPRISES.




NEW

## MXW6 BOUNDARY TRANSMITTER

Low-profile wireless boundary microphone offers flexible placement on any surface in front of one or multiple speakers

Available with cardioid or omnidirectional pickup patterns

Low battery indicator LED

Earphone output for return channel audio

Concealed power switch prevents accidental powering off

Available in black or white

COMPONENTS

## MXW2 HANDHELD TRANSMITTER

Durable, lightweight handheld transmitter with integrated antenna

Accepts signature Shure vocal microphone capsules

Interchangeable microphone heads

Dual transmit antennas maximize signal strength depending on hand placement

CommShield® Technology

**Microflex Wireless Microphone Features:**

AES-256 encryption

Advanced li-ion rechargeability; up to 9 hours continuous use

Programmable mute button

Full range audio (mic dependent)

Bi-directional wireless for real time remote control of settings

Up to 50 m (160 ft.) transmission range

Adjustable power limits to maximize the number of transmitters to operate in separate rooms

Range warning alert emits beeping sound when range exceeded

Connect to any standard USB power source for "always on" usage

Standby mode significantly extends battery life during periods of inactivity

CommShield® Technology prevents audible interference from consumer wireless devices

## MXW1 HYBRID BODYPACK

Compact bodypack with integrated omni microphone perfect for use on a lanyard or in a shirt pocket, with external mic input and belt clip included for attachment to clothing

External mic input for easy connection to ear-worn and lavalier mics

Integrated omnidirectional microphone with external input auto switchover feature

Earphone output for return channel audio

COMPONENTS

## MXW8 GOOSENECK BASE TRANSMITTER

NEW

- Stylish, contoured design with minimal footprint
- Accepts Microflex modular gooseneck microphones available in multiple lengths with polar pattern and LED options
- Programmable LED light ring
- Earphone output for return channel audio
- Concealed power switch prevents accidental powering off
- Compatible with 5, 10, and 15 inch Microflex Modular Goosenecks
- Available in black or white

## MXWAPT2 | MXWAPT4 | MXWAPT8 ACCESS POINT TRANSCEIVER

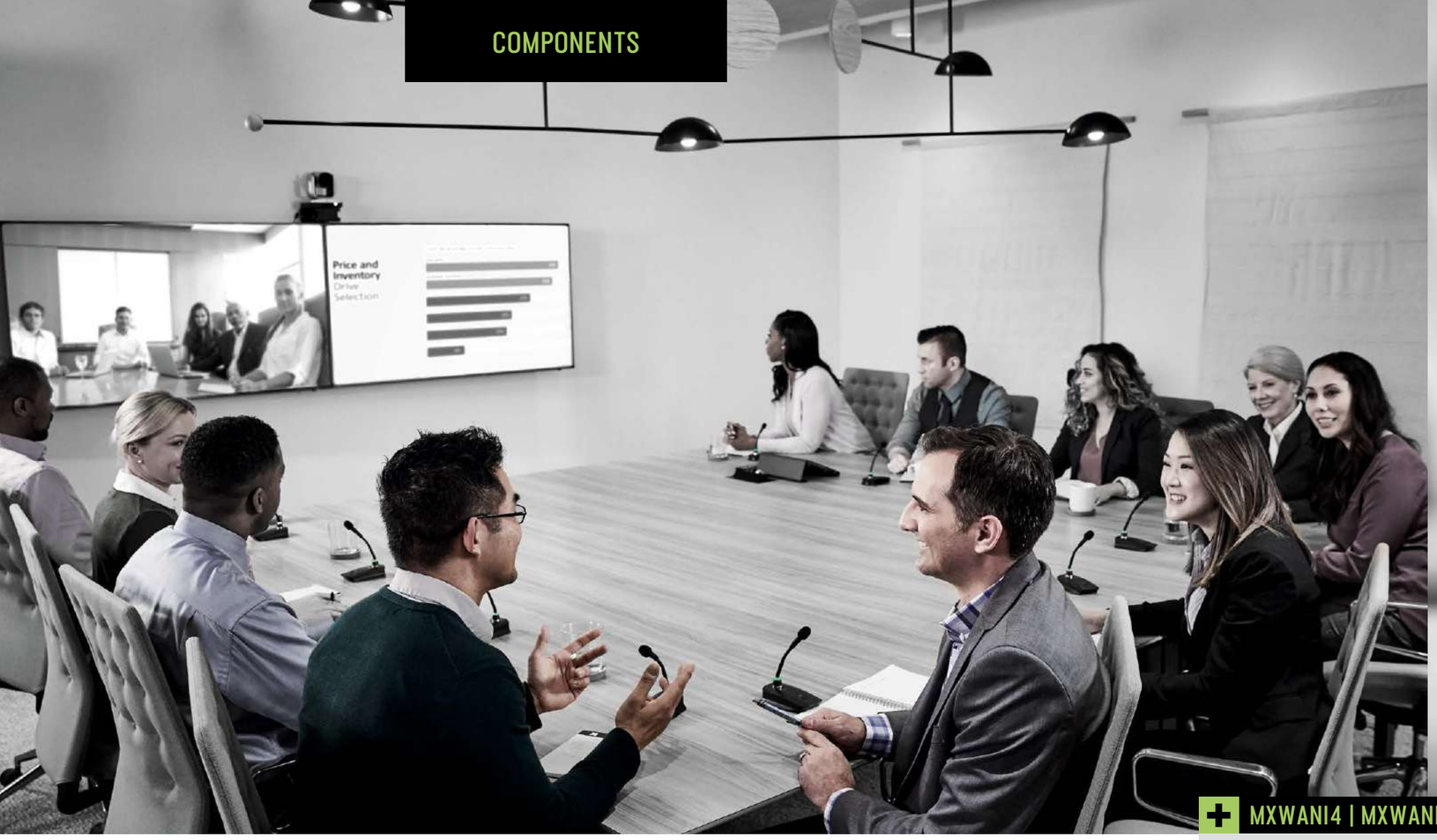
Low-profile Access Point Transceivers maintain two-way audio and data links with 2, 4 or 8 linked wireless microphones. The Access Point Transceiver features Power over Ethernet connectivity, is easily installed and connected to the network, and ships with wall/ceiling mounting plate and a paintable cover to match the room color.

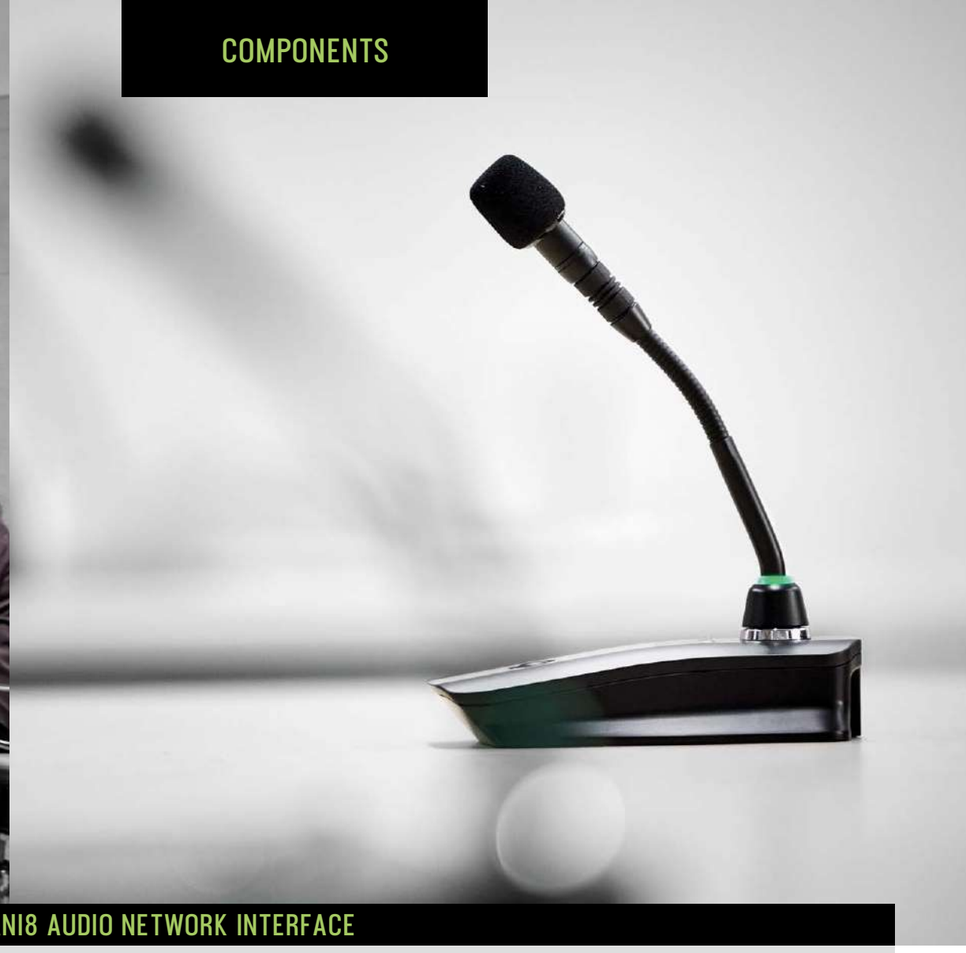
- Automated frequency coordination
- 2-, 4- or 8-channel models, up to 80 compatible channels per room in standard mode*
- High Density mode doubles the max. number of MXW transmitters, up to 160 channels**
- Bi-directional wireless for both audio signal and control data
- AES-256 encryption
- Dante™ digital networked audio enables audio routing over Ethernet to any Dante-enabled equipment
- Powered over Ethernet by the Audio Network Interface
- Compact design and slim profile (7"×7"×11/2") with paintable cover
- Plenum rated for installation flexibility

* Total number of channels is region dependent.

** High Density mode available with MXW firmware version 5.x or later. Can be selected for each individual MXWAPT in the browser-based control interface.

COMPONENTS



## MXWANI4 | MXWANI8 AUDIO NETWORK INTERFACE

With per-channel analog outputs and a versatile 4 port gigabit Ethernet switch, these rack-mountable 4-channel and 8-channel units are the central point for connecting Microflex Wireless systems to teleconferencing and presentation AV networks.

- 4 or 8 block connector channel outputs
- 1 or 2 mono block connector inputs for return channel audio
- 4 port gigabit switch with optimized port configurations
- Power over Ethernet (PoE) connection to the Access Point Transceiver
- Front panel controls allow adjustment of input and output levels and channel muting and soloing
- Supports Dante™ networking of digital audio for low latency transport and recording
- Headphone output to solo audio channels

## COMPONENTS

## SOFTWARE

*MXWANI8*
*Audio Network Interface*

## MXWNCS2 | MXWNCS4 | MXWNCS8 NETWORKED CHARGING STATIONS

Versatile 2-, 4- and 8-bay chargers include docking USB charge ports that accept any Microflex Wireless transmitter*. Ethernet system connection supplies remote battery status monitoring via the control software and easy transmitter linking to the Access Point Transceiver.

Connects to the system over Ethernet

Monitor remaining battery life and charge levels in hours and minutes over the network

Easy linking of docked microphones to Access Point Transceivers

Charges to full in 2 hours; 50% charge in 1 hour

Front panel LEDs report 10, 25, 50, 75 and 100% levels

*MXWNCS2 not compatible with MXW8 Transmitter

## MICROFLEX WIRELESS CONTROL SOFTWARE

MXW application that offers comprehensive remote monitoring and control of all settings and status parameters over a corporate network or an AV local area network.

Spectrum scanner provides data on spectrum availability with channel count estimates

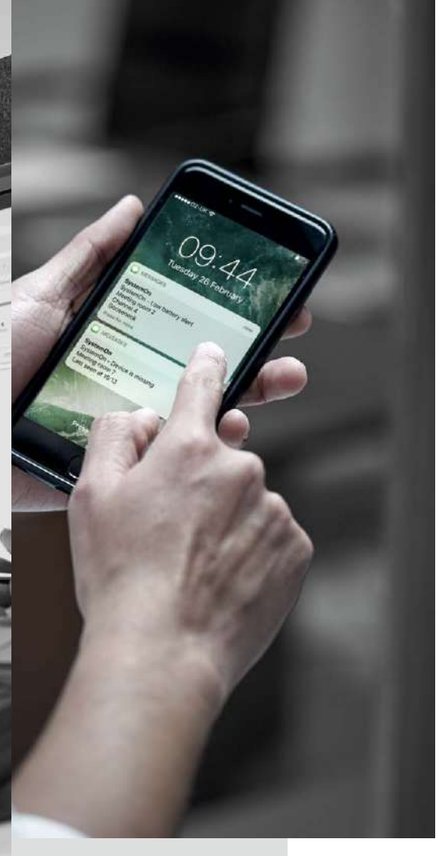
Battery life and charge level monitoring in hours and minutes

Mic gain, low and high pass audio adjustment

Individual and global mic controls for powering on/off and triggering mute and standby modes

Set preferences to program default system behavior

Note: Microflex Wireless Control Software allows monitoring and control of individual MXW systems at a time. For consolidated overview of all MXW systems across an entire network, SystemOn Software is recommended.




## PEACE OF MIND

Stay one step ahead with text and email alerts to prevent potential issues before they happen.

## MANAGING SCALE

Conference rooms need to be ready to go on short notice and managing the scale of building-wide or campus-wide deployments can be complicated.

## TIME SAVING

Maximize control of your organization's audio on your mobile device, allowing you to go about your day and be notified when something needs your attention, rather than manually checking each room to make sure the system is ready to go.

## SECURE SYSTEM

Customize access and permissions for a tailored user experience

SOFTWARE

# SYSTEMON AUDIO ASSET MANAGEMENT SOFTWARE

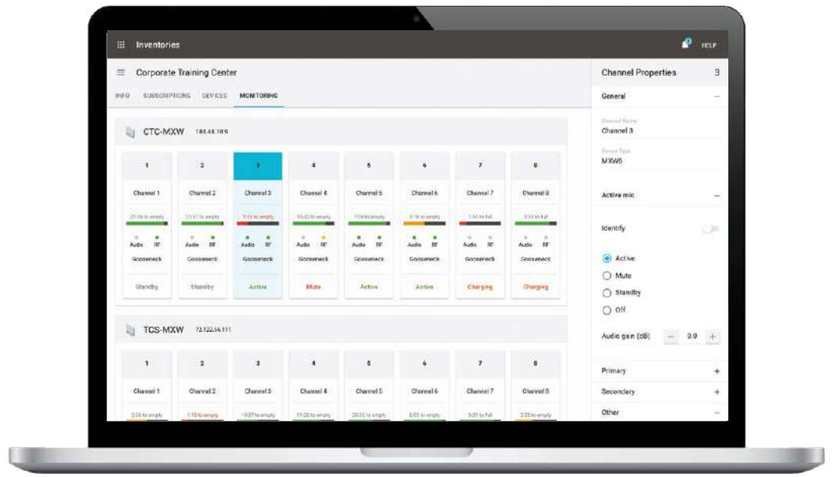
Conquer complexity and scale. Developed to make managing large-scale Shure audio hardware deployments easier for you.

SystemOn supports Shure ULX-D® Digital Wireless Systems, SCM820 Intellimix® Automatic Mixers, Microflex® Advance™ Ceiling Array Microphones, Intellimix® P300 Audio Processor, ANIUSB-MATRIX USB Audio Network Interface, Microflex® Wireless

The software is available through a subscription model. Each IP-addressable device requires one license. For more details, visit www.shure.com

## HOW IT WORKS

You can't be everywhere at once but everywhere can be with you. Monitor inventory and battery health in real time and troubleshoot on the go. Avoid dead air, minimize cost and enhance resource use with simple, sophisticated software.



# BEST IN CLASS WIRELESS PERFORMANCE

## WITH MICROFLEX WIRELESS AND INTELLIMIX® P300 AUDIO CONFERENCING PROCESSOR

Shure Microflex Wireless Microphones, together with the IntelliMix P300  Audio Conferencing Processor, help you elevate your audio for AV conferencing and presentations.

Best-in-class wireless performance, plus powerful IntelliMix digital signal processing, combine to provide customizable microphone placement.  And a variety of connectivity options make joining room systems with laptops or mobile devices easier than ever.

BUNDLES

The Microflex Wireless MXWAPT8 Access Point Transceiver, together with the P300 Audio Conferencing Processor, deliver natural voice quality and excellent speech intelligibility for conferencing and presentations.

A selection of versatile wireless microphones offer a customizable, license-free AV conferencing system.

The P300 offers multi-channel acoustic echo cancellation and noise reduction plus IntelliMix automatic mixing optimized for AV conferencing applications.
Simple to set up, discreet and versatile, this bundle simplifies the ordering process, while offering a discounted price.

*Please note that these items may ship separately*

### + MXWAPT8 ACCESS POINT TRANSCEIVER AND P300

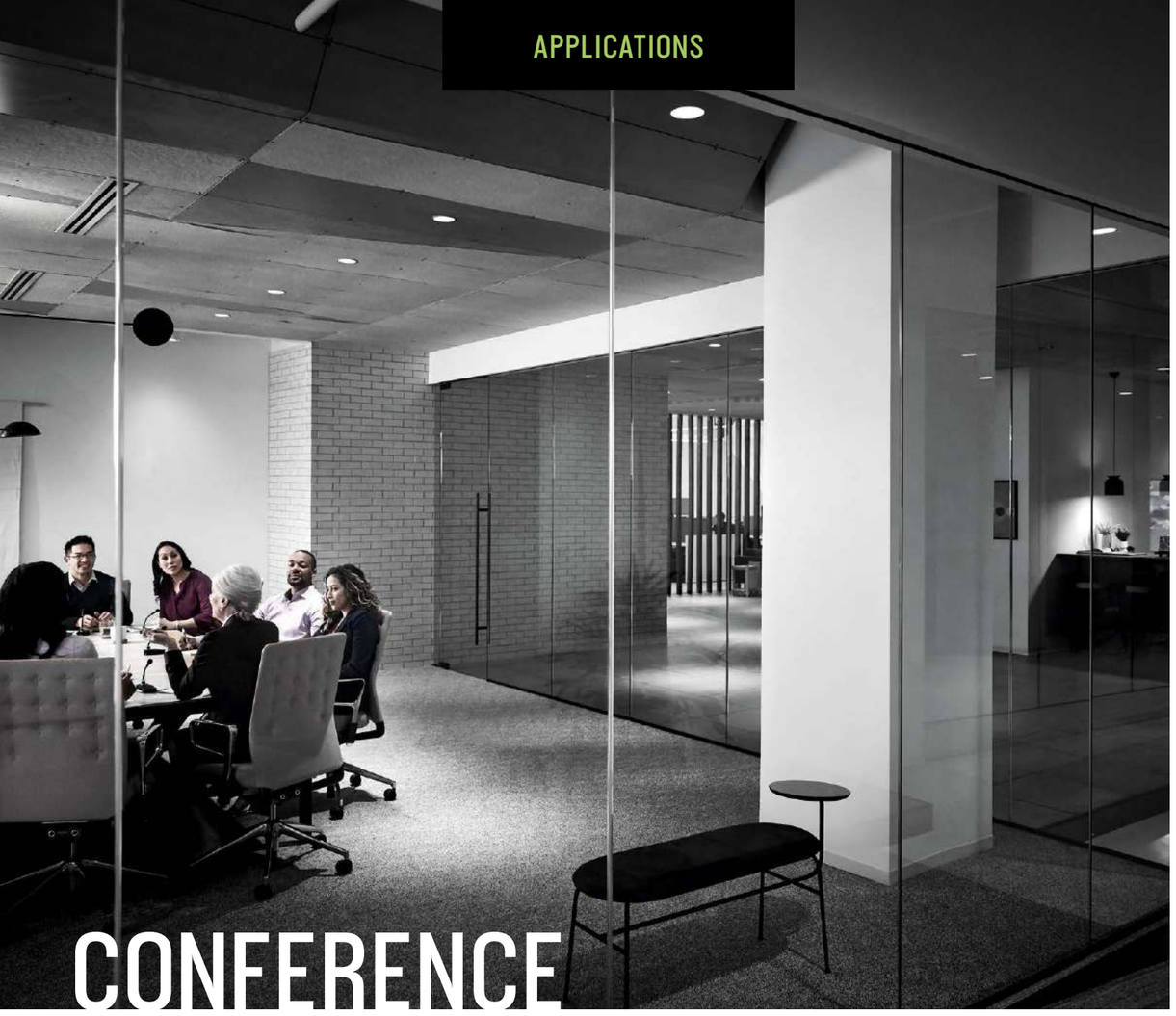
8-channel wireless access point compatible with Microflex Wireless microphone systems

Operates in license-free 1.9 GHz (or DECT) band

8 channels of acoustic echo cancellation and noise reduction

Dante (10 in / 2 out), analog (2 in / 2 out)

USB (1 in/out) and 3.5 mm connectivity options for connecting to room systems, laptops and mobile devices



# CONFERENCE ROOM

Microflex® Wireless systems bring wireless elegance and flexibility to meeting spaces where a wired solution is not preferred, or to historic buildings where running cables and drilling holes is not possible.

With a single Microflex Access Point Transceiver mounted discreetly in the room, you can easily manage up to 8 wireless microphones in any configuration your application requires—boundary, gooseneck, bodypack or handheld. Add more Access Point Transceivers for up to 160 compatible channels (in High Density Mode, region dependent). When you need to reconfigure a room—from a formal boardroom setup to an AV workroom—modular, wireless components easily flex to meet the channel capacity and transmitter requirements of new conferencing applications.

Additionally, Microflex Wireless systems are fully compatible with leading third-party control systems such as AMX® and Crestron, as well as AV conferencing solutions like Cisco® and Polycom®.

APPLICATIONS

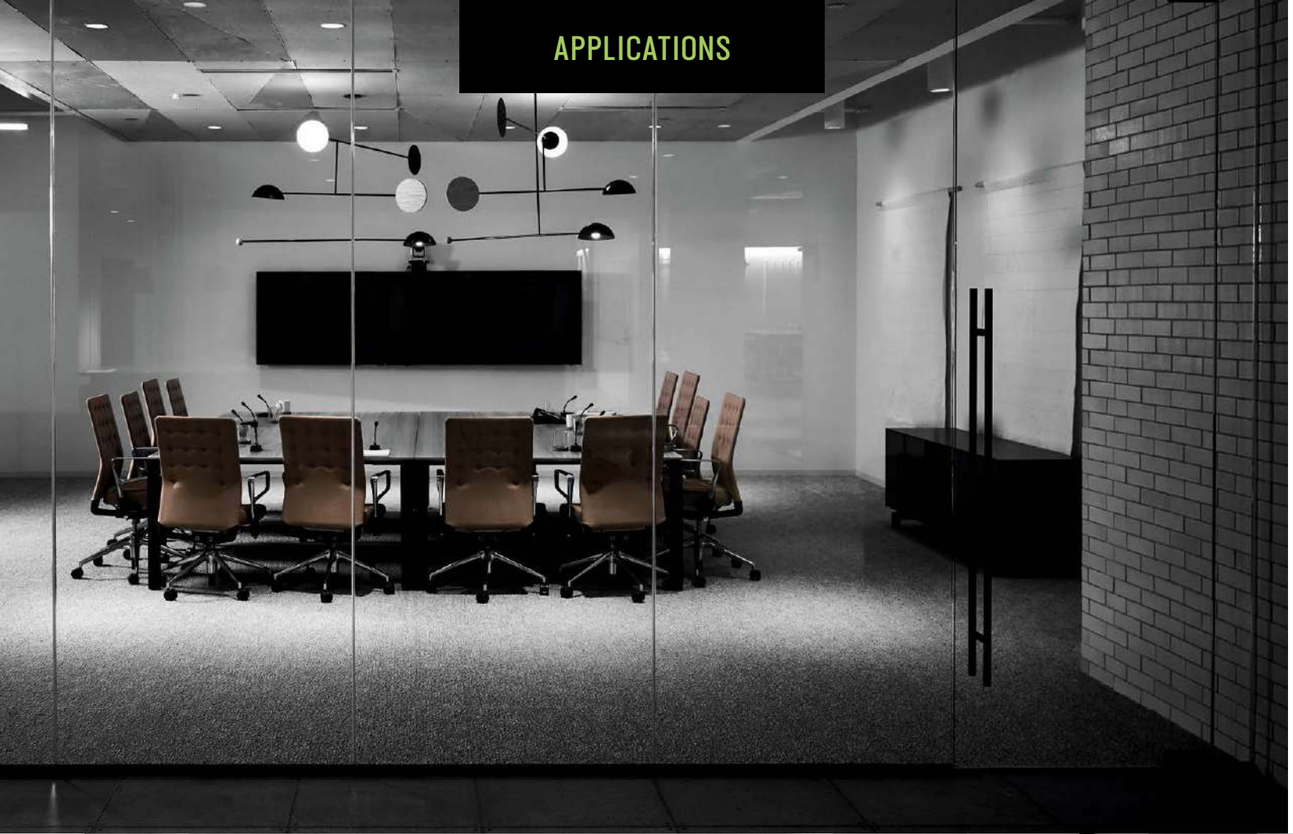
**01** **Wireless Microphones**
Elegant boundary, gooseneck, bodypack and handheld transmitters send and receive audio signal and data wirelessly to the Access Point Transceiver.

**02** **Access Point Transceiver**
Manages the wireless link with transmitters and connects to the Audio Network Interface via Ethernet over a single Cat5e cable for power (PoE), digital audio and control signal routing.

**03** **Networked Charging Stations**
2-, 4- and 8-bay stations fully charge batteries within 2 hours and connect to the Audio Network Interface via Ethernet over Cat5e cable. They provide real-time monitoring of charge status and one-touch linking of docked wireless microphones.

**04** **Audio Network Interface**
Converts Dante™ digital networked audio from the Access Point Transceiver to per-channel analog audio output for connectivity to teleconference systems, local sound reinforcement or other audio components. Also provides a 4-port switch, making it easy to set up a Microflex Wireless system without needing additional networking hardware.

**05** **Microflex Wireless Control Software**
MXW application provides remote control of key set-up and monitoring functions. Remotely view spectrum usage and remaining battery life in hours and minutes, adjust audio levels, set mute button and light ring behavior, and configure system connections. Also allows custom integration into third party control systems such as AMX® and Crestron®.



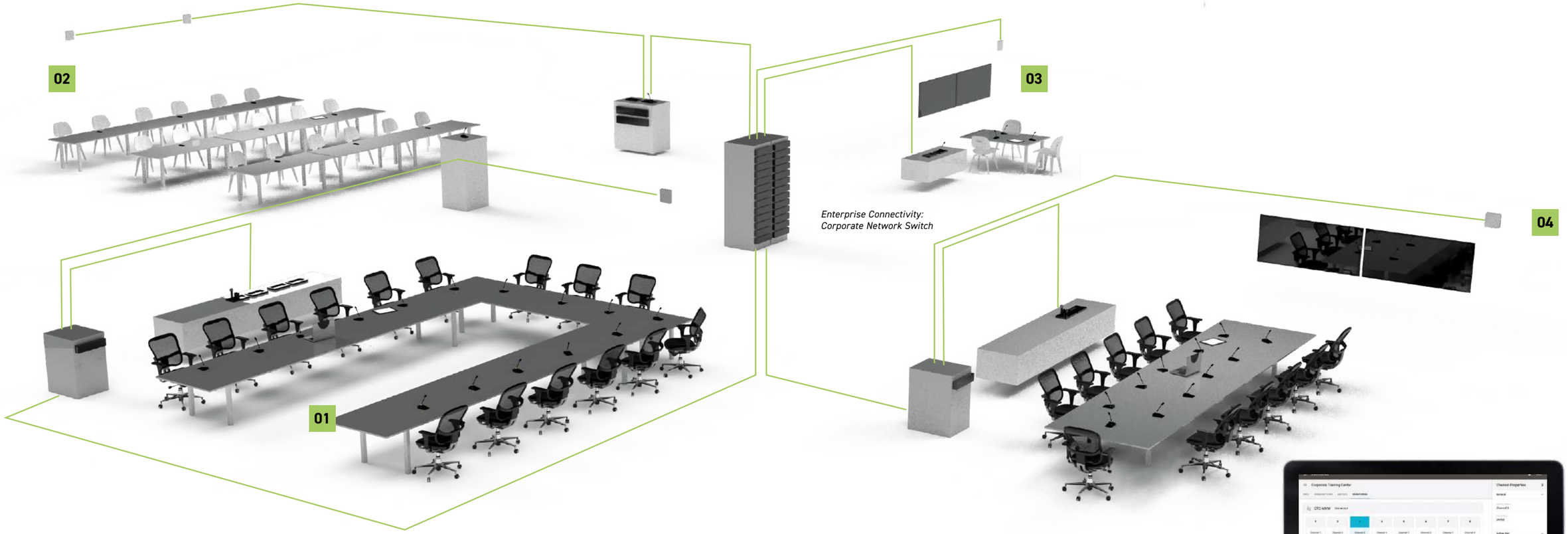


# ENTERPRISE APPLICATIONS

For sites where AV / IT teams manage diverse AV applications that span rooms, floors, buildings and campuses, networkable Microflex® Wireless components extend the reach and efficiency of team resources.

# APPLICATIONS

APPLICATIONS




Microflex Wireless extends the Shure legacy of best-in-class audio to boardrooms, huddle rooms and meeting spaces, as well as education and training facilities of all sizes, delivering an enterprise-scale solution with confidence. All components in the Microflex Wireless system are connected and accessible over Ethernet networks. Any number of networked systems can be setup, managed, monitored and controlled on-site or remotely via web browser.

Shure SystemOn™ Audio Asset Management Software provides comprehensive centralized IT support and real-time troubleshooting across entire networks, particularly for large-scale deployments. The software provides a hardware status view from one central portal and proactively identifies issues such as low batteries and missing or offline equipment. AV / IT admins are able to detect problems before they become critical and respond quickly and efficiently, eliminating the need for on-site troubleshooting.

Additionally, Microflex Wireless systems are fully compatible with leading third-party control systems such as AMX® and Crestron, as well as AV conferencing solutions like Cisco® and Polycom®.

**01** **Multi-Purpose Room**
Flexible, scalable rooms that are easily reconfigured for training sessions and events.

**02** **Auditorium / Theater / Lecture Hall**
Media rich presentation halls for direct, keynote-type presentations or lectures with audience participation.

**03** **AV Conferencing Room / Huddle Room**
Intimate conference spaces for engaging with remote participants.

**04** **Boardroom**
Highly aesthetic spaces for executive-level meetings and presentations.