MICROFLEX® WIRELESS neXt

MXW neXt is available in 2, 4 and 8 channel count options – offering fully reimagined wireless collaboration with contemporary industrial design, pristine audio quality, and groundbreaking speed of set-up. Certified by leading videoconferencing platforms and cloud enabled for real-time remote management, experience seamless integration over an entire campus. With a first of its kind combined receiver and DSP, a choice of four redesigned microphone form factors, and scalable to a variety of meeting and classroom environments, MXW neXt sets the standard for best-in-class wireless.

APPLICATIONS

Small – Large Conferencing & Meeting Rooms

Higher-Education & Training

Live Events & AV Rental

Certified for **Microsoft Teams**

zoom | Certified

Certifications apply to select configurations. See shure.com for more details.

MICROFLEX® WIRELESS neXt SYSTEMS

FEATURES

- Vivid, lifelike sound: Performance-tested Microflex® microphone elements flawlessly capture full range audio for clear, detailed communication
- Versatile microphone selection: Wireless boundary, gooseneck, bodypack, and handheld models are available to fit any conferencing application
- Discreet designs: With elegant aesthetics and a low-profile footprint, Microflex Wireless neXt systems are designed to install easily and disappear into AV environments
- Scalable solutions: 2, 4 and 8 channel systems can be combined to support configurations of up to 160 compatible channels in High Density Mode. Adjustable power limits enable additional channels to operate in separate rooms
- Dante™ and AES67 digital audio networking compatible: Integrated solution for transporting low latency, uncompressed audio over standard Ethernet networks
- Ethernet connectivity: All Microflex Wireless neXt networking components connect via Cat5e cable for simplified installation
- Advanced rechargeable power management: Smart lithium-ion rechargeable batteries deliver up to 39 hours of continuous use, enable remote status monitoring while in the charger and provide remaining runtime in hours and minutes while in use via networked control systems
- First-of-its-kind combined transceiver, networked charging station, and onboard IntelliMix DSP functionality (the APXDX2 also has a built-in networked charger, another first in the market as an all-in-one wireless system)
- Upgraded microphones outfitted with LCD screens for battery management and RF-monitoring and increased run-time for multi-day usage
- Two different networked charging station form factors - NDX4/8 that support bodypack, handheld, and boundary microphones, and NDX4G/8G that support boundary and gooseneck microphones
- Fully integrated with ShureCloud for remote control and management of a system and with Designer 6 for campus-wide room design & set-up
- Certified with Microsoft Teams and Zoom (Certifications apply to select configurations. See shure.com for more details.)
- Automated frequency coordination: Microflex Wireless neXt systems actively scan the available spectrum and coordinate clean, compatible frequencies for every microphone channel. While in use, systems automatically move away from unexpected interference
- Encrypted wireless: Audio transmission is protected by AES-256 encryption
- Selectable transmit power: Select the appropriate wireless output power per room to optimize spectrum usage, range, and battery life

SPECIFICATIONS (SUBJECT TO CHANGE)

RF Carrier Frequency Range	USA, Canada, Mexico: 1920 MHz – 1930 MHz Europe, Asia, Middle East: 1880 MHz – 1900 MHz
Working Range	Up to 45 m (150 ft) *Note: Outdoor and line-of-sight between user and APXD2. Actual range depends on RF power setting, signal absorption, reflections, and interference.*
Audio Frequency Response	30 Hz – 19 kHz (+0.5dB/3dB) *Note: Dependent on microphone type and audio output. Microphone transducers not included in measurement. APX/APXD2 set to Direct Mode.*
Latency	18 ms (nominal) *Note: MXW1/2/6/8X microphone input to APX/APXD2 output. APX/APXD2 set to SD RF Density Mode. Latency depends on output port and RF Density Mode.*
System Audio Polarity	Positive pressure on MXW1X/2X/6X/8X microphone diaphragm produces positive voltage on + pin (with respect to - pin) of APX/APXD2 analog output and a positive digital signal on the APX/APXD2 USB and Dante outputs.
Radio Transmission	Time Division Multiple Access (TDMA), Gaussian Frequency Shift Keying (GFSK), 365 kHz max. deviation
RF Sensitivity	< -90 dBm
Cable Requirements	Cat 5e or higher, shielded, 100 m maximum between network devices
Network Addressing Capability	DHCP, link-local, static
Operating Temperature Range	5°C(41°F) - 40°C (104°F)
Storage Temperature Range	-20°C (-4°F) to 60°C(140°F)